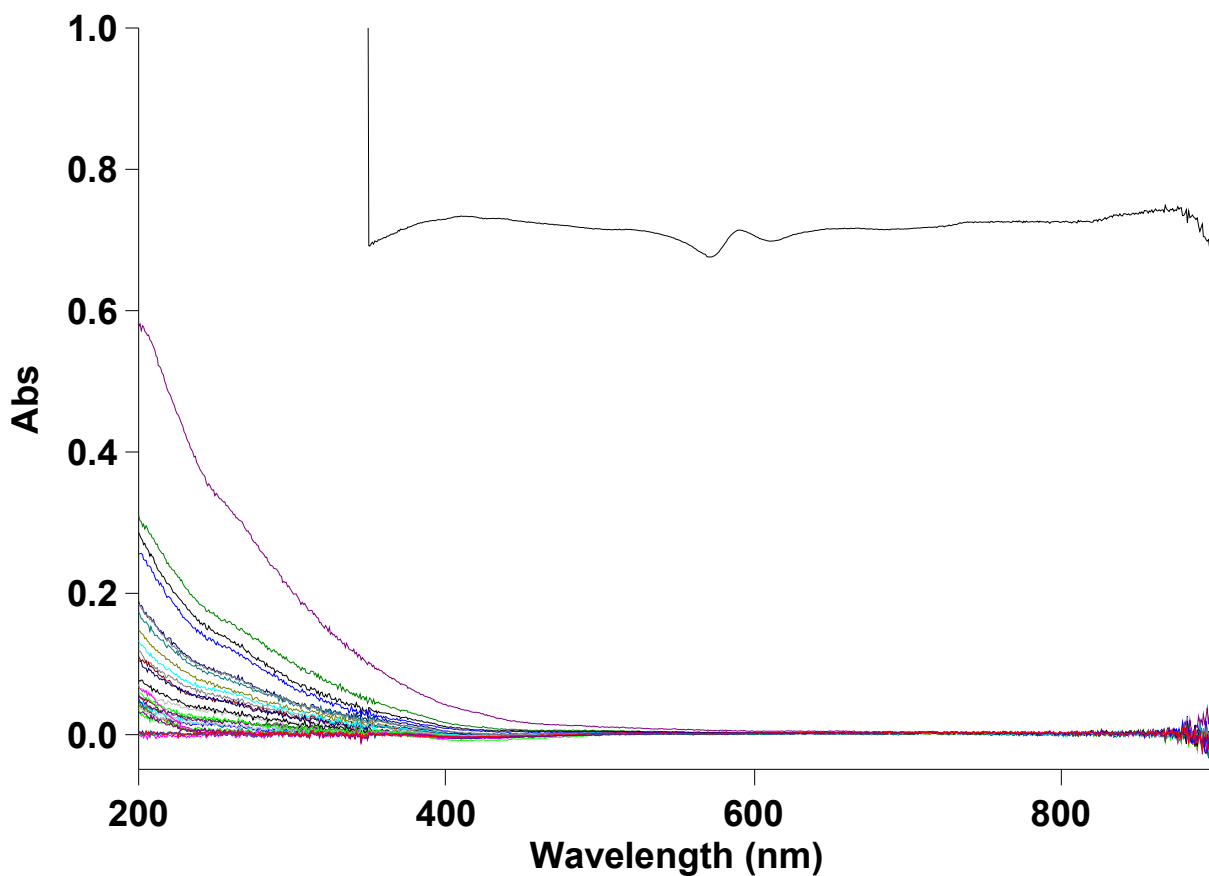


NIVA



Scan Analysis Report

Report Time : Wed 09 Oct 01:04:19 PM 2019
Method: H:\1000 sjøer UV-spek\UV-scan MED SAMPLER 1000 sjoer.MSW
Batch: H:\1000 sjøer UV-spek\191009\191009_run.DSW
Software version: 4.20(468)
Operator: SIJ

Zero Report

| Read | Abs(900.00) |
|------|-------------|
| Zero | 0.6710 |

Sample Name: Baseline 100%T

Collection Time 10/9/2019 1:01:33 PM

| | |
|----------------|----------------------|
| Peak Table | Peaks |
| Peak Style | 0.0100 |
| Peak Threshold | 900.00nm to 200.00nm |
| Range | |

| Wavelength (nm) | Abs |
|-----------------|-------|
| 892.00 | 0.723 |
| 883.20 | 0.741 |
| 868.00 | 0.749 |

591.20 0.714
409.60 0.734

X-Y Pairs Table
Data Interval

10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|-------|-----------------|-------|-----------------|-------|
| 900.00 | 0.646 | 660.00 | 0.716 | 420.00 | 0.732 |
| 890.00 | 0.716 | 650.00 | 0.715 | 410.00 | 0.734 |
| 880.00 | 0.735 | 640.00 | 0.713 | 400.00 | 0.729 |
| 870.00 | 0.741 | 630.00 | 0.709 | 390.00 | 0.727 |
| 860.00 | 0.739 | 620.00 | 0.703 | 380.00 | 0.722 |
| 850.00 | 0.737 | 610.00 | 0.699 | 370.00 | 0.714 |
| 840.00 | 0.734 | 600.00 | 0.707 | 360.00 | 0.704 |
| 830.00 | 0.730 | 590.00 | 0.714 | 350.00 | 0.692 |
| 820.00 | 0.725 | 580.00 | 0.691 | 340.00 | 1.379 |
| 810.00 | 0.725 | 570.00 | 0.676 | 330.00 | 1.382 |
| 800.00 | 0.725 | 560.00 | 0.691 | 320.00 | 1.398 |
| 790.00 | 0.725 | 550.00 | 0.701 | 310.00 | 1.412 |
| 780.00 | 0.726 | 540.00 | 0.708 | 300.00 | 1.418 |
| 770.00 | 0.726 | 530.00 | 0.713 | 290.00 | 1.430 |
| 760.00 | 0.726 | 520.00 | 0.715 | 280.00 | 1.450 |
| 750.00 | 0.725 | 510.00 | 0.715 | 270.00 | 1.465 |
| 740.00 | 0.725 | 500.00 | 0.716 | 260.00 | 1.478 |
| 730.00 | 0.722 | 490.00 | 0.717 | 250.00 | 1.499 |
| 720.00 | 0.719 | 480.00 | 0.720 | 240.00 | 1.517 |
| 710.00 | 0.717 | 470.00 | 0.722 | 230.00 | 1.531 |
| 700.00 | 0.716 | 460.00 | 0.724 | 220.00 | 1.548 |
| 690.00 | 0.715 | 450.00 | 0.726 | 210.00 | 1.565 |
| 680.00 | 0.715 | 440.00 | 0.730 | 200.00 | 1.590 |
| 670.00 | 0.716 | 430.00 | 0.730 | | |

Sample Name: Sample 1 Rack 1 Tube 1

Collection Time 10/9/2019 1:05:10 PM

Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

| Wavelength (nm) | Abs |
|-----------------|-------|
| 894.40 | 0.020 |
| 890.40 | 0.020 |
| 887.20 | 0.011 |
| 882.40 | 0.027 |
| 879.20 | 0.017 |
| 876.80 | 0.009 |
| 873.60 | 0.007 |
| 350.40 | 0.009 |
| 312.80 | 0.009 |

X-Y Pairs Table
Data Interval

10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|--------|-----------------|-------|-----------------|--------|
| 900.00 | -0.009 | 660.00 | 0.002 | 420.00 | -0.001 |
| 890.00 | 0.014 | 650.00 | 0.002 | 410.00 | -0.001 |
| 880.00 | 0.007 | 640.00 | 0.002 | 400.00 | 0.000 |
| 870.00 | 0.002 | 630.00 | 0.003 | 390.00 | 0.001 |
| 860.00 | 0.004 | 620.00 | 0.001 | 380.00 | 0.002 |
| 850.00 | 0.004 | 610.00 | 0.002 | 370.00 | 0.002 |
| 840.00 | 0.003 | 600.00 | 0.002 | 360.00 | 0.004 |
| 830.00 | 0.001 | 590.00 | 0.002 | 350.00 | 0.008 |
| 820.00 | 0.002 | 580.00 | 0.002 | 340.00 | 0.004 |
| 810.00 | 0.000 | 570.00 | 0.003 | 330.00 | 0.002 |
| 800.00 | 0.002 | 560.00 | 0.002 | 320.00 | 0.002 |
| 790.00 | 0.001 | 550.00 | 0.003 | 310.00 | 0.000 |
| 780.00 | 0.001 | 540.00 | 0.003 | 300.00 | 0.002 |
| 770.00 | 0.001 | 530.00 | 0.003 | 290.00 | 0.004 |
| 760.00 | 0.001 | 520.00 | 0.003 | 280.00 | -0.002 |
| 750.00 | 0.002 | 510.00 | 0.003 | 270.00 | -0.001 |
| 740.00 | 0.001 | 500.00 | 0.003 | 260.00 | 0.002 |
| 730.00 | 0.001 | 490.00 | 0.003 | 250.00 | -0.001 |
| 720.00 | 0.002 | 480.00 | 0.001 | 240.00 | 0.001 |
| 710.00 | 0.003 | 470.00 | 0.000 | 230.00 | 0.001 |

| | | | | | |
|--------|-------|--------|--------|--------|-------|
| 700.00 | 0.002 | 460.00 | -0.001 | 220.00 | 0.003 |
| 690.00 | 0.002 | 450.00 | -0.002 | 210.00 | 0.004 |
| 680.00 | 0.002 | 440.00 | -0.003 | 200.00 | 0.005 |
| 670.00 | 0.001 | 430.00 | -0.001 | | |

Sample Name: Sample 2 Rack 1 Tube 2

Collection Time 10/9/2019 1:08:24 PM

Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

| Wavelength (nm) | Abs |
|-----------------|-------|
| 895.20 | 0.038 |
| 892.80 | 0.030 |
| 889.60 | 0.026 |
| 884.00 | 0.021 |
| 882.40 | 0.021 |

X-Y Pairs Table

Data Interval 10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|-------|-----------------|-------|-----------------|-------|
| 900.00 | 0.042 | 660.00 | 0.006 | 420.00 | 0.032 |
| 890.00 | 0.021 | 650.00 | 0.006 | 410.00 | 0.036 |
| 880.00 | 0.010 | 640.00 | 0.006 | 400.00 | 0.043 |
| 870.00 | 0.009 | 630.00 | 0.006 | 390.00 | 0.052 |
| 860.00 | 0.007 | 620.00 | 0.005 | 380.00 | 0.061 |
| 850.00 | 0.005 | 610.00 | 0.006 | 370.00 | 0.073 |
| 840.00 | 0.004 | 600.00 | 0.006 | 360.00 | 0.088 |
| 830.00 | 0.005 | 590.00 | 0.006 | 350.00 | 0.103 |
| 820.00 | 0.005 | 580.00 | 0.007 | 340.00 | 0.121 |
| 810.00 | 0.004 | 570.00 | 0.007 | 330.00 | 0.135 |
| 800.00 | 0.004 | 560.00 | 0.008 | 320.00 | 0.154 |
| 790.00 | 0.004 | 550.00 | 0.009 | 310.00 | 0.178 |
| 780.00 | 0.003 | 540.00 | 0.009 | 300.00 | 0.202 |
| 770.00 | 0.003 | 530.00 | 0.009 | 290.00 | 0.234 |
| 760.00 | 0.003 | 520.00 | 0.010 | 280.00 | 0.259 |
| 750.00 | 0.004 | 510.00 | 0.011 | 270.00 | 0.290 |
| 740.00 | 0.004 | 500.00 | 0.011 | 260.00 | 0.318 |
| 730.00 | 0.004 | 490.00 | 0.013 | 250.00 | 0.340 |
| 720.00 | 0.005 | 480.00 | 0.014 | 240.00 | 0.375 |
| 710.00 | 0.005 | 470.00 | 0.015 | 230.00 | 0.427 |
| 700.00 | 0.004 | 460.00 | 0.016 | 220.00 | 0.483 |
| 690.00 | 0.005 | 450.00 | 0.018 | 210.00 | 0.547 |
| 680.00 | 0.005 | 440.00 | 0.020 | 200.00 | 0.578 |
| 670.00 | 0.005 | 430.00 | 0.026 | | |

Sample Name: Sample 3 Rack 1 Tube 3

Collection Time 10/9/2019 1:11:37 PM

Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

| Wavelength (nm) | Abs |
|-----------------|-------|
| 896.80 | 0.008 |
| 894.40 | 0.000 |
| 892.80 | 0.008 |
| 890.40 | 0.005 |
| 882.40 | 0.017 |
| 879.20 | 0.009 |
| 872.80 | 0.007 |

X-Y Pairs Table

Data Interval 10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|-------|-----------------|-------|-----------------|--------|
| 900.00 | 0.010 | 660.00 | 0.003 | 420.00 | -0.002 |

| | | | | | |
|--------|-------|--------|--------|--------|--------|
| 890.00 | 0.000 | 650.00 | 0.003 | 410.00 | -0.003 |
| 880.00 | 0.008 | 640.00 | 0.003 | 400.00 | -0.002 |
| 870.00 | 0.006 | 630.00 | 0.004 | 390.00 | -0.001 |
| 860.00 | 0.006 | 620.00 | 0.003 | 380.00 | 0.001 |
| 850.00 | 0.003 | 610.00 | 0.003 | 370.00 | 0.001 |
| 840.00 | 0.004 | 600.00 | 0.003 | 360.00 | 0.000 |
| 830.00 | 0.004 | 590.00 | 0.003 | 350.00 | 0.004 |
| 820.00 | 0.005 | 580.00 | 0.003 | 340.00 | 0.004 |
| 810.00 | 0.004 | 570.00 | 0.003 | 330.00 | -0.001 |
| 800.00 | 0.003 | 560.00 | 0.003 | 320.00 | 0.001 |
| 790.00 | 0.004 | 550.00 | 0.003 | 310.00 | 0.000 |
| 780.00 | 0.003 | 540.00 | 0.003 | 300.00 | 0.002 |
| 770.00 | 0.003 | 530.00 | 0.003 | 290.00 | 0.003 |
| 760.00 | 0.004 | 520.00 | 0.003 | 280.00 | 0.000 |
| 750.00 | 0.004 | 510.00 | 0.002 | 270.00 | 0.001 |
| 740.00 | 0.004 | 500.00 | 0.001 | 260.00 | 0.003 |
| 730.00 | 0.004 | 490.00 | 0.001 | 250.00 | 0.003 |
| 720.00 | 0.004 | 480.00 | 0.000 | 240.00 | 0.004 |
| 710.00 | 0.004 | 470.00 | 0.000 | 230.00 | 0.008 |
| 700.00 | 0.003 | 460.00 | -0.001 | 220.00 | 0.021 |
| 690.00 | 0.003 | 450.00 | -0.002 | 210.00 | 0.044 |
| 680.00 | 0.003 | 440.00 | -0.003 | 200.00 | 0.054 |
| 670.00 | 0.003 | 430.00 | -0.002 | | |

Sample Name: Sample 4 Rack 1 Tube 4

Collection Time 10/9/2019 1:14:49 PM

Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

| Wavelength (nm) | Abs |
|-----------------|-------|
| 898.40 | 0.006 |
| 894.40 | 0.010 |
| 891.20 | 0.011 |
| 888.00 | 0.000 |
| 882.40 | 0.017 |
| 879.20 | 0.008 |
| 870.40 | 0.008 |
| 350.40 | 0.008 |

X-Y Pairs Table

Data Interval

10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|--------|-----------------|--------|-----------------|--------|
| 900.00 | -0.007 | 660.00 | 0.003 | 420.00 | -0.002 |
| 890.00 | -0.003 | 650.00 | 0.003 | 410.00 | -0.002 |
| 880.00 | 0.002 | 640.00 | 0.003 | 400.00 | -0.001 |
| 870.00 | 0.006 | 630.00 | 0.003 | 390.00 | 0.001 |
| 860.00 | 0.007 | 620.00 | 0.003 | 380.00 | 0.002 |
| 850.00 | 0.004 | 610.00 | 0.003 | 370.00 | 0.003 |
| 840.00 | 0.004 | 600.00 | 0.004 | 360.00 | 0.004 |
| 830.00 | 0.004 | 590.00 | 0.003 | 350.00 | 0.005 |
| 820.00 | 0.005 | 580.00 | 0.004 | 340.00 | 0.007 |
| 810.00 | 0.004 | 570.00 | 0.003 | 330.00 | 0.008 |
| 800.00 | 0.003 | 560.00 | 0.003 | 320.00 | 0.006 |
| 790.00 | 0.003 | 550.00 | 0.003 | 310.00 | 0.009 |
| 780.00 | 0.004 | 540.00 | 0.003 | 300.00 | 0.012 |
| 770.00 | 0.003 | 530.00 | 0.003 | 290.00 | 0.018 |
| 760.00 | 0.002 | 520.00 | 0.003 | 280.00 | 0.014 |
| 750.00 | 0.002 | 510.00 | 0.003 | 270.00 | 0.016 |
| 740.00 | 0.003 | 500.00 | 0.002 | 260.00 | 0.019 |
| 730.00 | 0.002 | 490.00 | 0.002 | 250.00 | 0.021 |
| 720.00 | 0.002 | 480.00 | 0.001 | 240.00 | 0.021 |
| 710.00 | 0.003 | 470.00 | 0.001 | 230.00 | 0.026 |
| 700.00 | 0.002 | 460.00 | 0.000 | 220.00 | 0.032 |
| 690.00 | 0.003 | 450.00 | 0.000 | 210.00 | 0.038 |
| 680.00 | 0.002 | 440.00 | -0.003 | 200.00 | 0.046 |
| 670.00 | 0.002 | 430.00 | -0.002 | | |

Sample Name: Sample 5 Rack 1 Tube 5

Collection Time 10/9/2019 1:18:00 PM

Peak Table
 Peak Style Peaks
 Peak Threshold 0.0100
 Range 900.00nm to 200.00nm

| Wavelength (nm) | Abs |
|-----------------|-------|
| 892.80 | 0.000 |
| 888.00 | 0.004 |
| 882.40 | 0.011 |
| 880.80 | 0.008 |
| 350.40 | 0.020 |

X-Y Pairs Table
 Data Interval 10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|--------|-----------------|--------|-----------------|-------|
| 900.00 | 0.005 | 660.00 | 0.003 | 420.00 | 0.002 |
| 890.00 | -0.001 | 650.00 | 0.004 | 410.00 | 0.001 |
| 880.00 | 0.007 | 640.00 | 0.003 | 400.00 | 0.003 |
| 870.00 | 0.004 | 630.00 | 0.004 | 390.00 | 0.005 |
| 860.00 | 0.006 | 620.00 | 0.003 | 380.00 | 0.007 |
| 850.00 | 0.003 | 610.00 | 0.004 | 370.00 | 0.009 |
| 840.00 | 0.002 | 600.00 | 0.003 | 360.00 | 0.013 |
| 830.00 | 0.002 | 590.00 | 0.003 | 350.00 | 0.019 |
| 820.00 | 0.003 | 580.00 | 0.004 | 340.00 | 0.022 |
| 810.00 | 0.003 | 570.00 | 0.003 | 330.00 | 0.025 |
| 800.00 | 0.002 | 560.00 | 0.003 | 320.00 | 0.024 |
| 790.00 | 0.001 | 550.00 | 0.004 | 310.00 | 0.032 |
| 780.00 | 0.002 | 540.00 | 0.003 | 300.00 | 0.034 |
| 770.00 | 0.001 | 530.00 | 0.003 | 290.00 | 0.045 |
| 760.00 | 0.001 | 520.00 | 0.004 | 280.00 | 0.049 |
| 750.00 | 0.002 | 510.00 | 0.003 | 270.00 | 0.057 |
| 740.00 | 0.002 | 500.00 | 0.003 | 260.00 | 0.065 |
| 730.00 | 0.002 | 490.00 | 0.003 | 250.00 | 0.069 |
| 720.00 | 0.003 | 480.00 | 0.002 | 240.00 | 0.077 |
| 710.00 | 0.003 | 470.00 | 0.001 | 230.00 | 0.090 |
| 700.00 | 0.002 | 460.00 | 0.000 | 220.00 | 0.106 |
| 690.00 | 0.003 | 450.00 | 0.000 | 210.00 | 0.124 |
| 680.00 | 0.003 | 440.00 | -0.001 | 200.00 | 0.149 |
| 670.00 | 0.003 | 430.00 | 0.001 | | |

Sample Name: Sample 6 Rack 1 Tube 6

Collection Time 10/9/2019 1:21:12 PM

Peak Table
 Peak Style Peaks
 Peak Threshold 0.0100
 Range 900.00nm to 200.00nm

| Wavelength (nm) | Abs |
|-----------------|-------|
| 899.20 | 0.017 |
| 896.80 | 0.012 |
| 892.80 | 0.006 |
| 890.40 | 0.018 |
| 887.20 | 0.014 |
| 884.00 | 0.007 |
| 882.40 | 0.018 |
| 879.20 | 0.014 |

X-Y Pairs Table
 Data Interval 10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|-------|-----------------|-------|-----------------|-------|
| 900.00 | 0.001 | 660.00 | 0.003 | 420.00 | 0.002 |
| 890.00 | 0.010 | 650.00 | 0.003 | 410.00 | 0.003 |
| 880.00 | 0.003 | 640.00 | 0.003 | 400.00 | 0.005 |
| 870.00 | 0.004 | 630.00 | 0.004 | 390.00 | 0.010 |
| 860.00 | 0.005 | 620.00 | 0.003 | 380.00 | 0.014 |
| 850.00 | 0.005 | 610.00 | 0.004 | 370.00 | 0.016 |
| 840.00 | 0.004 | 600.00 | 0.003 | 360.00 | 0.021 |
| 830.00 | 0.004 | 590.00 | 0.003 | 350.00 | 0.026 |
| 820.00 | 0.005 | 580.00 | 0.003 | 340.00 | 0.030 |
| 810.00 | 0.004 | 570.00 | 0.004 | 330.00 | 0.031 |

| | | | | | |
|--------|-------|--------|--------|--------|-------|
| 800.00 | 0.002 | 560.00 | 0.003 | 320.00 | 0.035 |
| 790.00 | 0.003 | 550.00 | 0.004 | 310.00 | 0.039 |
| 780.00 | 0.002 | 540.00 | 0.004 | 300.00 | 0.046 |
| 770.00 | 0.002 | 530.00 | 0.003 | 290.00 | 0.057 |
| 760.00 | 0.002 | 520.00 | 0.003 | 280.00 | 0.064 |
| 750.00 | 0.003 | 510.00 | 0.003 | 270.00 | 0.073 |
| 740.00 | 0.003 | 500.00 | 0.003 | 260.00 | 0.086 |
| 730.00 | 0.002 | 490.00 | 0.003 | 250.00 | 0.090 |
| 720.00 | 0.004 | 480.00 | 0.002 | 240.00 | 0.099 |
| 710.00 | 0.004 | 470.00 | 0.002 | 230.00 | 0.115 |
| 700.00 | 0.003 | 460.00 | 0.001 | 220.00 | 0.138 |
| 690.00 | 0.003 | 450.00 | 0.000 | 210.00 | 0.161 |
| 680.00 | 0.003 | 440.00 | -0.001 | 200.00 | 0.189 |
| 670.00 | 0.003 | 430.00 | 0.000 | | |

Sample Name: Sample 7 Rack 1 Tube 7

Collection Time 10/9/2019 1:24:24 PM

Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm) Abs

| | |
|--------|-------|
| 896.80 | 0.005 |
| 895.20 | 0.006 |
| 892.80 | 0.005 |
| 890.40 | 0.010 |
| 882.40 | 0.012 |
| 879.20 | 0.013 |
| 350.40 | 0.027 |

X-Y Pairs Table

Data Interval

10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|-------|-----------------|-------|-----------------|-------|
| 900.00 | 0.022 | 660.00 | 0.003 | 420.00 | 0.001 |
| 890.00 | 0.002 | 650.00 | 0.003 | 410.00 | 0.001 |
| 880.00 | 0.008 | 640.00 | 0.004 | 400.00 | 0.003 |
| 870.00 | 0.004 | 630.00 | 0.004 | 390.00 | 0.007 |
| 860.00 | 0.006 | 620.00 | 0.003 | 380.00 | 0.010 |
| 850.00 | 0.004 | 610.00 | 0.003 | 370.00 | 0.014 |
| 840.00 | 0.001 | 600.00 | 0.003 | 360.00 | 0.018 |
| 830.00 | 0.004 | 590.00 | 0.003 | 350.00 | 0.025 |
| 820.00 | 0.002 | 580.00 | 0.003 | 340.00 | 0.029 |
| 810.00 | 0.003 | 570.00 | 0.004 | 330.00 | 0.031 |
| 800.00 | 0.002 | 560.00 | 0.003 | 320.00 | 0.031 |
| 790.00 | 0.002 | 550.00 | 0.005 | 310.00 | 0.038 |
| 780.00 | 0.002 | 540.00 | 0.005 | 300.00 | 0.044 |
| 770.00 | 0.002 | 530.00 | 0.004 | 290.00 | 0.055 |
| 760.00 | 0.003 | 520.00 | 0.004 | 280.00 | 0.060 |
| 750.00 | 0.003 | 510.00 | 0.004 | 270.00 | 0.069 |
| 740.00 | 0.003 | 500.00 | 0.003 | 260.00 | 0.077 |
| 730.00 | 0.003 | 490.00 | 0.003 | 250.00 | 0.084 |
| 720.00 | 0.004 | 480.00 | 0.001 | 240.00 | 0.093 |
| 710.00 | 0.003 | 470.00 | 0.001 | 230.00 | 0.107 |
| 700.00 | 0.003 | 460.00 | 0.001 | 220.00 | 0.125 |
| 690.00 | 0.002 | 450.00 | 0.001 | 210.00 | 0.144 |
| 680.00 | 0.003 | 440.00 | 0.001 | 200.00 | 0.174 |
| 670.00 | 0.003 | 430.00 | 0.001 | | |

Sample Name: Sample 8 Rack 1 Tube 8

Collection Time 10/9/2019 1:27:36 PM

Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm) Abs

| | |
|--------|-------|
| 894.40 | 0.004 |
| 892.80 | 0.010 |

| | |
|--------|-------|
| 889.60 | 0.006 |
| 882.40 | 0.011 |
| 879.20 | 0.012 |
| 873.60 | 0.008 |
| 870.40 | 0.009 |
| 867.20 | 0.007 |
| 350.40 | 0.011 |

X-Y Pairs Table
Data Interval

10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|-------|-----------------|--------|-----------------|--------|
| 900.00 | 0.017 | 660.00 | 0.002 | 420.00 | -0.004 |
| 890.00 | 0.005 | 650.00 | 0.002 | 410.00 | -0.004 |
| 880.00 | 0.005 | 640.00 | 0.002 | 400.00 | -0.002 |
| 870.00 | 0.005 | 630.00 | 0.003 | 390.00 | 0.001 |
| 860.00 | 0.003 | 620.00 | 0.002 | 380.00 | 0.003 |
| 850.00 | 0.000 | 610.00 | 0.003 | 370.00 | 0.005 |
| 840.00 | 0.001 | 600.00 | 0.003 | 360.00 | 0.006 |
| 830.00 | 0.002 | 590.00 | 0.003 | 350.00 | 0.009 |
| 820.00 | 0.003 | 580.00 | 0.003 | 340.00 | 0.011 |
| 810.00 | 0.002 | 570.00 | 0.003 | 330.00 | 0.012 |
| 800.00 | 0.002 | 560.00 | 0.003 | 320.00 | 0.013 |
| 790.00 | 0.002 | 550.00 | 0.003 | 310.00 | 0.012 |
| 780.00 | 0.000 | 540.00 | 0.003 | 300.00 | 0.018 |
| 770.00 | 0.002 | 530.00 | 0.002 | 290.00 | 0.023 |
| 760.00 | 0.003 | 520.00 | 0.002 | 280.00 | 0.020 |
| 750.00 | 0.003 | 510.00 | 0.002 | 270.00 | 0.025 |
| 740.00 | 0.003 | 500.00 | 0.001 | 260.00 | 0.031 |
| 730.00 | 0.003 | 490.00 | 0.002 | 250.00 | 0.031 |
| 720.00 | 0.003 | 480.00 | 0.000 | 240.00 | 0.034 |
| 710.00 | 0.003 | 470.00 | 0.000 | 230.00 | 0.039 |
| 700.00 | 0.002 | 460.00 | -0.001 | 220.00 | 0.047 |
| 690.00 | 0.003 | 450.00 | -0.002 | 210.00 | 0.054 |
| 680.00 | 0.003 | 440.00 | -0.004 | 200.00 | 0.072 |
| 670.00 | 0.002 | 430.00 | -0.003 | | |

Sample Name: Sample 9 Rack 1 Tube 9

Collection Time 10/9/2019 1:30:48 PM

Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

| Wavelength (nm) | Abs |
|-----------------|-------|
| 890.40 | 0.010 |
| 882.40 | 0.006 |
| 880.00 | 0.012 |
| 874.40 | 0.005 |
| 870.40 | 0.004 |
| 867.20 | 0.005 |
| 352.80 | 0.005 |

X-Y Pairs Table
Data Interval

10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|-------|-----------------|-------|-----------------|--------|
| 900.00 | 0.007 | 660.00 | 0.002 | 420.00 | -0.007 |
| 890.00 | 0.002 | 650.00 | 0.002 | 410.00 | -0.008 |
| 880.00 | 0.012 | 640.00 | 0.002 | 400.00 | -0.006 |
| 870.00 | 0.001 | 630.00 | 0.003 | 390.00 | -0.004 |
| 860.00 | 0.002 | 620.00 | 0.002 | 380.00 | -0.003 |
| 850.00 | 0.003 | 610.00 | 0.002 | 370.00 | -0.001 |
| 840.00 | 0.004 | 600.00 | 0.001 | 360.00 | 0.001 |
| 830.00 | 0.002 | 590.00 | 0.001 | 350.00 | 0.001 |
| 820.00 | 0.002 | 580.00 | 0.002 | 340.00 | 0.003 |
| 810.00 | 0.003 | 570.00 | 0.002 | 330.00 | 0.002 |
| 800.00 | 0.001 | 560.00 | 0.001 | 320.00 | 0.002 |
| 790.00 | 0.002 | 550.00 | 0.002 | 310.00 | 0.000 |
| 780.00 | 0.001 | 540.00 | 0.002 | 300.00 | 0.002 |
| 770.00 | 0.000 | 530.00 | 0.001 | 290.00 | 0.007 |
| 760.00 | 0.001 | 520.00 | 0.001 | 280.00 | 0.002 |
| 750.00 | 0.001 | 510.00 | 0.001 | 270.00 | 0.006 |
| 740.00 | 0.001 | 500.00 | 0.000 | 260.00 | 0.006 |

| | | | | | |
|--------|-------|--------|--------|--------|-------|
| 730.00 | 0.002 | 490.00 | -0.001 | 250.00 | 0.006 |
| 720.00 | 0.002 | 480.00 | -0.003 | 240.00 | 0.009 |
| 710.00 | 0.002 | 470.00 | -0.003 | 230.00 | 0.011 |
| 700.00 | 0.001 | 460.00 | -0.004 | 220.00 | 0.017 |
| 690.00 | 0.001 | 450.00 | -0.005 | 210.00 | 0.022 |
| 680.00 | 0.001 | 440.00 | -0.007 | 200.00 | 0.036 |
| 670.00 | 0.002 | 430.00 | -0.007 | | |

Sample Name: Sample 10 Rack 1 Tube 10

Collection Time 10/9/2019 1:33:59 PM

Peak Table
Peak Style Peaks
Peak Threshold 0.0100
Range 900.00nm to 200.00nm

| Wavelength (nm) | Abs |
|-----------------|--------|
| 896.80 | -0.005 |
| 893.60 | 0.001 |
| 890.40 | 0.002 |
| 882.40 | 0.012 |
| 879.20 | 0.012 |
| 807.20 | 0.007 |
| 350.40 | 0.006 |
| 296.00 | 0.005 |

X-Y Pairs Table

Data Interval 10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|--------|-----------------|--------|-----------------|--------|
| 900.00 | -0.003 | 660.00 | 0.003 | 420.00 | -0.005 |
| 890.00 | -0.002 | 650.00 | 0.003 | 410.00 | -0.005 |
| 880.00 | 0.009 | 640.00 | 0.003 | 400.00 | -0.004 |
| 870.00 | 0.003 | 630.00 | 0.003 | 390.00 | -0.003 |
| 860.00 | 0.004 | 620.00 | 0.002 | 380.00 | -0.001 |
| 850.00 | 0.004 | 610.00 | 0.002 | 370.00 | -0.001 |
| 840.00 | 0.002 | 600.00 | 0.003 | 360.00 | 0.000 |
| 830.00 | 0.005 | 590.00 | 0.003 | 350.00 | 0.004 |
| 820.00 | 0.003 | 580.00 | 0.003 | 340.00 | 0.003 |
| 810.00 | 0.004 | 570.00 | 0.003 | 330.00 | 0.001 |
| 800.00 | 0.003 | 560.00 | 0.003 | 320.00 | -0.003 |
| 790.00 | 0.003 | 550.00 | 0.003 | 310.00 | -0.001 |
| 780.00 | 0.003 | 540.00 | 0.003 | 300.00 | -0.002 |
| 770.00 | 0.003 | 530.00 | 0.002 | 290.00 | 0.002 |
| 760.00 | 0.003 | 520.00 | 0.001 | 280.00 | -0.003 |
| 750.00 | 0.003 | 510.00 | 0.001 | 270.00 | -0.001 |
| 740.00 | 0.001 | 500.00 | 0.001 | 260.00 | 0.002 |
| 730.00 | 0.003 | 490.00 | 0.000 | 250.00 | -0.001 |
| 720.00 | 0.003 | 480.00 | -0.001 | 240.00 | -0.002 |
| 710.00 | 0.003 | 470.00 | -0.001 | 230.00 | -0.002 |
| 700.00 | 0.002 | 460.00 | -0.002 | 220.00 | 0.000 |
| 690.00 | 0.002 | 450.00 | -0.003 | 210.00 | -0.001 |
| 680.00 | 0.003 | 440.00 | -0.004 | 200.00 | -0.001 |
| 670.00 | 0.002 | 430.00 | -0.005 | | |

Sample Name: Sample 11 Rack 1 Tube 11

Collection Time 10/9/2019 1:37:11 PM

Peak Table
Peak Style Peaks
Peak Threshold 0.0100
Range 900.00nm to 200.00nm

| Wavelength (nm) | Abs |
|-----------------|--------|
| 893.60 | -0.004 |
| 891.20 | 0.004 |
| 882.40 | 0.017 |
| 880.00 | 0.012 |
| 866.40 | 0.008 |
| 316.80 | 0.010 |

X-Y Pairs Table

Data Interval 10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|--------|-----------------|--------|-----------------|--------|
| 900.00 | 0.016 | 660.00 | 0.003 | 420.00 | -0.002 |
| 890.00 | -0.002 | 650.00 | 0.003 | 410.00 | -0.002 |
| 880.00 | 0.012 | 640.00 | 0.003 | 400.00 | -0.001 |
| 870.00 | 0.001 | 630.00 | 0.004 | 390.00 | 0.002 |
| 860.00 | 0.003 | 620.00 | 0.003 | 380.00 | 0.003 |
| 850.00 | 0.004 | 610.00 | 0.003 | 370.00 | 0.004 |
| 840.00 | 0.005 | 600.00 | 0.002 | 360.00 | 0.005 |
| 830.00 | 0.005 | 590.00 | 0.002 | 350.00 | 0.003 |
| 820.00 | 0.005 | 580.00 | 0.003 | 340.00 | 0.002 |
| 810.00 | 0.003 | 570.00 | 0.002 | 330.00 | 0.005 |
| 800.00 | 0.004 | 560.00 | 0.002 | 320.00 | 0.003 |
| 790.00 | 0.003 | 550.00 | 0.003 | 310.00 | 0.002 |
| 780.00 | 0.003 | 540.00 | 0.003 | 300.00 | 0.005 |
| 770.00 | 0.003 | 530.00 | 0.002 | 290.00 | 0.007 |
| 760.00 | 0.003 | 520.00 | 0.003 | 280.00 | 0.007 |
| 750.00 | 0.004 | 510.00 | 0.003 | 270.00 | 0.010 |
| 740.00 | 0.002 | 500.00 | 0.003 | 260.00 | 0.014 |
| 730.00 | 0.003 | 490.00 | 0.002 | 250.00 | 0.016 |
| 720.00 | 0.004 | 480.00 | 0.001 | 240.00 | 0.015 |
| 710.00 | 0.003 | 470.00 | 0.001 | 230.00 | 0.022 |
| 700.00 | 0.004 | 460.00 | -0.001 | 220.00 | 0.028 |
| 690.00 | 0.003 | 450.00 | 0.000 | 210.00 | 0.037 |
| 680.00 | 0.002 | 440.00 | -0.003 | 200.00 | 0.050 |
| 670.00 | 0.002 | 430.00 | -0.002 | | |

Sample Name: Sample 12 Rack 1 Tube 12

Collection Time 10/9/2019 1:40:22 PM

Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

| Wavelength (nm) | Abs |
|-----------------|-------|
| 896.80 | 0.009 |
| 893.60 | 0.005 |
| 890.40 | 0.019 |
| 886.40 | 0.006 |
| 882.40 | 0.010 |
| 880.00 | 0.015 |

X-Y Pairs Table

Data Interval 10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|-------|-----------------|--------|-----------------|--------|
| 900.00 | 0.014 | 660.00 | 0.003 | 420.00 | -0.002 |
| 890.00 | 0.008 | 650.00 | 0.003 | 410.00 | -0.001 |
| 880.00 | 0.015 | 640.00 | 0.003 | 400.00 | 0.000 |
| 870.00 | 0.003 | 630.00 | 0.003 | 390.00 | 0.003 |
| 860.00 | 0.005 | 620.00 | 0.003 | 380.00 | 0.006 |
| 850.00 | 0.003 | 610.00 | 0.003 | 370.00 | 0.007 |
| 840.00 | 0.006 | 600.00 | 0.003 | 360.00 | 0.010 |
| 830.00 | 0.005 | 590.00 | 0.002 | 350.00 | 0.014 |
| 820.00 | 0.005 | 580.00 | 0.003 | 340.00 | 0.014 |
| 810.00 | 0.003 | 570.00 | 0.003 | 330.00 | 0.019 |
| 800.00 | 0.002 | 560.00 | 0.003 | 320.00 | 0.019 |
| 790.00 | 0.003 | 550.00 | 0.003 | 310.00 | 0.023 |
| 780.00 | 0.001 | 540.00 | 0.003 | 300.00 | 0.028 |
| 770.00 | 0.003 | 530.00 | 0.002 | 290.00 | 0.036 |
| 760.00 | 0.003 | 520.00 | 0.002 | 280.00 | 0.039 |
| 750.00 | 0.003 | 510.00 | 0.003 | 270.00 | 0.045 |
| 740.00 | 0.002 | 500.00 | 0.002 | 260.00 | 0.051 |
| 730.00 | 0.002 | 490.00 | 0.002 | 250.00 | 0.055 |
| 720.00 | 0.002 | 480.00 | 0.001 | 240.00 | 0.060 |
| 710.00 | 0.003 | 470.00 | 0.001 | 230.00 | 0.070 |
| 700.00 | 0.002 | 460.00 | 0.000 | 220.00 | 0.084 |
| 690.00 | 0.002 | 450.00 | 0.000 | 210.00 | 0.097 |
| 680.00 | 0.002 | 440.00 | -0.001 | 200.00 | 0.119 |
| 670.00 | 0.002 | 430.00 | -0.001 | | |

Sample Name: Sample 13 Rack 1 Tube 13

Collection Time 10/9/2019 1:43:34 PM

Peak Table
 Peak Style Peaks
 Peak Threshold 0.0100
 Range 900.00nm to 200.00nm

| Wavelength (nm) | Abs |
|-----------------|-------|
| 894.40 | 0.001 |
| 885.60 | 0.003 |
| 882.40 | 0.008 |
| 880.80 | 0.007 |
| 874.40 | 0.007 |
| 350.40 | 0.011 |

X-Y Pairs Table
 Data Interval 10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|--------|-----------------|--------|-----------------|--------|
| 900.00 | 0.006 | 660.00 | 0.003 | 420.00 | -0.003 |
| 890.00 | -0.002 | 650.00 | 0.003 | 410.00 | -0.003 |
| 880.00 | 0.006 | 640.00 | 0.003 | 400.00 | -0.001 |
| 870.00 | 0.002 | 630.00 | 0.003 | 390.00 | 0.001 |
| 860.00 | 0.005 | 620.00 | 0.002 | 380.00 | 0.003 |
| 850.00 | 0.004 | 610.00 | 0.002 | 370.00 | 0.004 |
| 840.00 | 0.005 | 600.00 | 0.001 | 360.00 | 0.005 |
| 830.00 | 0.004 | 590.00 | 0.002 | 350.00 | 0.009 |
| 820.00 | 0.005 | 580.00 | 0.003 | 340.00 | 0.008 |
| 810.00 | 0.004 | 570.00 | 0.002 | 330.00 | 0.010 |
| 800.00 | 0.003 | 560.00 | 0.001 | 320.00 | 0.008 |
| 790.00 | 0.003 | 550.00 | 0.003 | 310.00 | 0.012 |
| 780.00 | 0.001 | 540.00 | 0.003 | 300.00 | 0.017 |
| 770.00 | 0.002 | 530.00 | 0.002 | 290.00 | 0.022 |
| 760.00 | 0.002 | 520.00 | 0.002 | 280.00 | 0.025 |
| 750.00 | 0.003 | 510.00 | 0.002 | 270.00 | 0.028 |
| 740.00 | 0.002 | 500.00 | 0.001 | 260.00 | 0.033 |
| 730.00 | 0.003 | 490.00 | 0.001 | 250.00 | 0.034 |
| 720.00 | 0.003 | 480.00 | -0.001 | 240.00 | 0.037 |
| 710.00 | 0.003 | 470.00 | -0.001 | 230.00 | 0.043 |
| 700.00 | 0.002 | 460.00 | -0.002 | 220.00 | 0.053 |
| 690.00 | 0.002 | 450.00 | -0.002 | 210.00 | 0.065 |
| 680.00 | 0.002 | 440.00 | -0.003 | 200.00 | 0.078 |
| 670.00 | 0.003 | 430.00 | -0.002 | | |

Sample Name: Sample 14 Rack 1 Tube 14

Collection Time 10/9/2019 1:46:46 PM

Peak Table
 Peak Style Peaks
 Peak Threshold 0.0100
 Range 900.00nm to 200.00nm

| Wavelength (nm) | Abs |
|-----------------|--------|
| 898.40 | -0.001 |
| 895.20 | 0.000 |
| 892.80 | 0.002 |
| 890.40 | 0.008 |
| 882.40 | 0.008 |
| 880.00 | 0.010 |
| 352.80 | 0.006 |

X-Y Pairs Table
 Data Interval 10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|-------|-----------------|-------|-----------------|--------|
| 900.00 | 0.000 | 660.00 | 0.002 | 420.00 | -0.004 |
| 890.00 | 0.006 | 650.00 | 0.002 | 410.00 | -0.005 |
| 880.00 | 0.010 | 640.00 | 0.001 | 400.00 | -0.003 |
| 870.00 | 0.003 | 630.00 | 0.002 | 390.00 | -0.001 |
| 860.00 | 0.004 | 620.00 | 0.002 | 380.00 | 0.000 |
| 850.00 | 0.004 | 610.00 | 0.002 | 370.00 | 0.001 |

| | | | | | |
|--------|-------|--------|--------|--------|-------|
| 840.00 | 0.001 | 600.00 | 0.001 | 360.00 | 0.002 |
| 830.00 | 0.003 | 590.00 | 0.001 | 350.00 | 0.005 |
| 820.00 | 0.001 | 580.00 | 0.002 | 340.00 | 0.007 |
| 810.00 | 0.003 | 570.00 | 0.002 | 330.00 | 0.004 |
| 800.00 | 0.000 | 560.00 | 0.001 | 320.00 | 0.003 |
| 790.00 | 0.001 | 550.00 | 0.002 | 310.00 | 0.004 |
| 780.00 | 0.000 | 540.00 | 0.002 | 300.00 | 0.006 |
| 770.00 | 0.001 | 530.00 | 0.002 | 290.00 | 0.011 |
| 760.00 | 0.001 | 520.00 | 0.002 | 280.00 | 0.006 |
| 750.00 | 0.002 | 510.00 | 0.002 | 270.00 | 0.010 |
| 740.00 | 0.002 | 500.00 | 0.002 | 260.00 | 0.011 |
| 730.00 | 0.002 | 490.00 | 0.001 | 250.00 | 0.016 |
| 720.00 | 0.002 | 480.00 | 0.000 | 240.00 | 0.015 |
| 710.00 | 0.002 | 470.00 | 0.000 | 230.00 | 0.017 |
| 700.00 | 0.002 | 460.00 | -0.001 | 220.00 | 0.022 |
| 690.00 | 0.002 | 450.00 | -0.002 | 210.00 | 0.029 |
| 680.00 | 0.002 | 440.00 | -0.004 | 200.00 | 0.052 |
| 670.00 | 0.003 | 430.00 | -0.003 | | |

Sample Name: Sample 15 Rack 1 Tube 15

Collection Time 10/9/2019 1:49:58 PM

Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

| Wavelength (nm) | Abs |
|-----------------|-------|
| 898.40 | 0.001 |
| 890.40 | 0.006 |
| 886.40 | 0.003 |
| 882.40 | 0.006 |
| 880.00 | 0.008 |
| 826.40 | 0.006 |
| 352.80 | 0.006 |

X-Y Pairs Table

Data Interval

10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|-------|-----------------|--------|-----------------|--------|
| 900.00 | 0.012 | 660.00 | 0.002 | 420.00 | -0.004 |
| 890.00 | 0.003 | 650.00 | 0.003 | 410.00 | -0.005 |
| 880.00 | 0.008 | 640.00 | 0.002 | 400.00 | -0.003 |
| 870.00 | 0.001 | 630.00 | 0.002 | 390.00 | -0.002 |
| 860.00 | 0.005 | 620.00 | 0.002 | 380.00 | 0.000 |
| 850.00 | 0.004 | 610.00 | 0.002 | 370.00 | 0.001 |
| 840.00 | 0.002 | 600.00 | 0.002 | 360.00 | 0.002 |
| 830.00 | 0.003 | 590.00 | 0.001 | 350.00 | 0.005 |
| 820.00 | 0.004 | 580.00 | 0.001 | 340.00 | 0.008 |
| 810.00 | 0.002 | 570.00 | 0.001 | 330.00 | 0.004 |
| 800.00 | 0.002 | 560.00 | 0.001 | 320.00 | 0.003 |
| 790.00 | 0.002 | 550.00 | 0.002 | 310.00 | 0.008 |
| 780.00 | 0.001 | 540.00 | 0.002 | 300.00 | 0.010 |
| 770.00 | 0.002 | 530.00 | 0.001 | 290.00 | 0.015 |
| 760.00 | 0.003 | 520.00 | 0.000 | 280.00 | 0.013 |
| 750.00 | 0.003 | 510.00 | 0.001 | 270.00 | 0.015 |
| 740.00 | 0.003 | 500.00 | -0.001 | 260.00 | 0.019 |
| 730.00 | 0.003 | 490.00 | 0.000 | 250.00 | 0.019 |
| 720.00 | 0.003 | 480.00 | 0.000 | 240.00 | 0.020 |
| 710.00 | 0.003 | 470.00 | -0.001 | 230.00 | 0.023 |
| 700.00 | 0.002 | 460.00 | -0.001 | 220.00 | 0.032 |
| 690.00 | 0.002 | 450.00 | -0.002 | 210.00 | 0.038 |
| 680.00 | 0.001 | 440.00 | -0.003 | 200.00 | 0.057 |
| 670.00 | 0.001 | 430.00 | -0.003 | | |

Sample Name: Sample 16 Rack 1 Tube 16

Collection Time 10/9/2019 1:53:10 PM

Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

| Wavelength (nm) | Abs |
|-----------------|-------|
| 899.20 | 0.005 |
| 890.40 | 0.006 |
| 884.80 | 0.008 |
| 882.40 | 0.012 |
| 879.20 | 0.011 |
| 869.60 | 0.005 |
| 341.60 | 0.019 |
| 313.60 | 0.028 |

X-Y Pairs Table

Data Interval 10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|--------|-----------------|--------|-----------------|--------|
| 900.00 | -0.015 | 660.00 | 0.002 | 420.00 | -0.001 |
| 890.00 | 0.002 | 650.00 | 0.002 | 410.00 | 0.000 |
| 880.00 | 0.005 | 640.00 | 0.003 | 400.00 | 0.001 |
| 870.00 | 0.004 | 630.00 | 0.003 | 390.00 | 0.004 |
| 860.00 | 0.002 | 620.00 | 0.002 | 380.00 | 0.007 |
| 850.00 | 0.004 | 610.00 | 0.003 | 370.00 | 0.010 |
| 840.00 | 0.003 | 600.00 | 0.003 | 360.00 | 0.011 |
| 830.00 | 0.004 | 590.00 | 0.003 | 350.00 | 0.014 |
| 820.00 | 0.004 | 580.00 | 0.003 | 340.00 | 0.015 |
| 810.00 | 0.003 | 570.00 | 0.003 | 330.00 | 0.016 |
| 800.00 | 0.003 | 560.00 | 0.003 | 320.00 | 0.021 |
| 790.00 | 0.002 | 550.00 | 0.004 | 310.00 | 0.021 |
| 780.00 | 0.002 | 540.00 | 0.003 | 300.00 | 0.025 |
| 770.00 | 0.003 | 530.00 | 0.004 | 290.00 | 0.033 |
| 760.00 | 0.002 | 520.00 | 0.004 | 280.00 | 0.034 |
| 750.00 | 0.003 | 510.00 | 0.003 | 270.00 | 0.041 |
| 740.00 | 0.003 | 500.00 | 0.002 | 260.00 | 0.048 |
| 730.00 | 0.002 | 490.00 | 0.002 | 250.00 | 0.049 |
| 720.00 | 0.002 | 480.00 | 0.001 | 240.00 | 0.053 |
| 710.00 | 0.002 | 470.00 | 0.001 | 230.00 | 0.059 |
| 700.00 | 0.002 | 460.00 | 0.000 | 220.00 | 0.077 |
| 690.00 | 0.002 | 450.00 | 0.000 | 210.00 | 0.093 |
| 680.00 | 0.002 | 440.00 | -0.001 | 200.00 | 0.111 |
| 670.00 | 0.002 | 430.00 | -0.001 | | |

Sample Name: Sample 17 Rack 1 Tube 17

Collection Time 10/9/2019 1:56:23 PM

Peak Table

Peak Style Peaks
 Peak Threshold 0.0100
 Range 900.00nm to 200.00nm

| Wavelength (nm) | Abs |
|-----------------|-------|
| 892.80 | 0.003 |
| 889.60 | 0.009 |
| 886.40 | 0.004 |
| 882.40 | 0.015 |
| 879.20 | 0.007 |

X-Y Pairs Table

Data Interval 10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|--------|-----------------|-------|-----------------|-------|
| 900.00 | 0.006 | 660.00 | 0.003 | 420.00 | 0.012 |
| 890.00 | 0.008 | 650.00 | 0.003 | 410.00 | 0.014 |
| 880.00 | -0.005 | 640.00 | 0.003 | 400.00 | 0.018 |
| 870.00 | 0.001 | 630.00 | 0.003 | 390.00 | 0.024 |
| 860.00 | 0.004 | 620.00 | 0.003 | 380.00 | 0.030 |
| 850.00 | 0.004 | 610.00 | 0.004 | 370.00 | 0.035 |
| 840.00 | 0.003 | 600.00 | 0.003 | 360.00 | 0.043 |
| 830.00 | 0.004 | 590.00 | 0.003 | 350.00 | 0.051 |
| 820.00 | 0.003 | 580.00 | 0.003 | 340.00 | 0.059 |
| 810.00 | 0.003 | 570.00 | 0.004 | 330.00 | 0.068 |
| 800.00 | 0.002 | 560.00 | 0.004 | 320.00 | 0.077 |
| 790.00 | 0.003 | 550.00 | 0.005 | 310.00 | 0.088 |
| 780.00 | 0.003 | 540.00 | 0.005 | 300.00 | 0.104 |
| 770.00 | 0.001 | 530.00 | 0.005 | 290.00 | 0.117 |
| 760.00 | 0.002 | 520.00 | 0.005 | 280.00 | 0.129 |
| 750.00 | 0.002 | 510.00 | 0.006 | 270.00 | 0.144 |

| | | | | | |
|--------|-------|--------|-------|--------|-------|
| 740.00 | 0.002 | 500.00 | 0.006 | 260.00 | 0.159 |
| 730.00 | 0.002 | 490.00 | 0.007 | 250.00 | 0.169 |
| 720.00 | 0.003 | 480.00 | 0.007 | 240.00 | 0.184 |
| 710.00 | 0.004 | 470.00 | 0.007 | 230.00 | 0.210 |
| 700.00 | 0.002 | 460.00 | 0.006 | 220.00 | 0.238 |
| 690.00 | 0.002 | 450.00 | 0.007 | 210.00 | 0.276 |
| 680.00 | 0.003 | 440.00 | 0.007 | 200.00 | 0.311 |
| 670.00 | 0.003 | 430.00 | 0.010 | | |

Sample Name: Sample 18 Rack 1 Tube 18

Collection Time 10/9/2019 1:59:36 PM

Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

| Wavelength (nm) | Abs |
|-----------------|-------|
| 897.60 | 0.007 |
| 890.40 | 0.001 |
| 886.40 | 0.001 |
| 882.40 | 0.010 |
| 880.00 | 0.010 |
| 873.60 | 0.005 |
| 350.40 | 0.007 |

X-Y Pairs Table

Data Interval

10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|--------|-----------------|--------|-----------------|--------|
| 900.00 | -0.011 | 660.00 | 0.003 | 420.00 | -0.003 |
| 890.00 | -0.001 | 650.00 | 0.003 | 410.00 | -0.004 |
| 880.00 | 0.010 | 640.00 | 0.002 | 400.00 | -0.003 |
| 870.00 | 0.002 | 630.00 | 0.002 | 390.00 | 0.000 |
| 860.00 | 0.005 | 620.00 | 0.002 | 380.00 | 0.001 |
| 850.00 | 0.003 | 610.00 | 0.002 | 370.00 | 0.002 |
| 840.00 | 0.003 | 600.00 | 0.002 | 360.00 | 0.001 |
| 830.00 | 0.003 | 590.00 | 0.002 | 350.00 | 0.005 |
| 820.00 | 0.004 | 580.00 | 0.002 | 340.00 | 0.004 |
| 810.00 | 0.002 | 570.00 | 0.002 | 330.00 | 0.003 |
| 800.00 | 0.004 | 560.00 | 0.002 | 320.00 | 0.000 |
| 790.00 | 0.003 | 550.00 | 0.003 | 310.00 | 0.000 |
| 780.00 | 0.002 | 540.00 | 0.003 | 300.00 | 0.002 |
| 770.00 | 0.001 | 530.00 | 0.003 | 290.00 | 0.004 |
| 760.00 | 0.001 | 520.00 | 0.003 | 280.00 | 0.002 |
| 750.00 | 0.002 | 510.00 | 0.003 | 270.00 | 0.004 |
| 740.00 | 0.001 | 500.00 | 0.003 | 260.00 | 0.007 |
| 730.00 | 0.003 | 490.00 | 0.003 | 250.00 | 0.003 |
| 720.00 | 0.002 | 480.00 | 0.002 | 240.00 | 0.005 |
| 710.00 | 0.003 | 470.00 | 0.002 | 230.00 | 0.008 |
| 700.00 | 0.002 | 460.00 | 0.000 | 220.00 | 0.019 |
| 690.00 | 0.002 | 450.00 | 0.000 | 210.00 | 0.030 |
| 680.00 | 0.002 | 440.00 | -0.002 | 200.00 | 0.043 |
| 670.00 | 0.002 | 430.00 | -0.002 | | |

Sample Name: Sample 19 Rack 1 Tube 19

Collection Time 10/9/2019 2:02:48 PM

Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

| Wavelength (nm) | Abs |
|-----------------|--------|
| 895.20 | -0.005 |
| 892.80 | 0.003 |
| 890.40 | 0.011 |
| 882.40 | 0.007 |
| 880.00 | 0.010 |
| 350.40 | 0.016 |

X-Y Pairs Table

Data Interval 10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|-------|-----------------|-------|-----------------|-------|
| 900.00 | 0.003 | 660.00 | 0.002 | 420.00 | 0.001 |
| 890.00 | 0.009 | 650.00 | 0.003 | 410.00 | 0.001 |
| 880.00 | 0.010 | 640.00 | 0.002 | 400.00 | 0.003 |
| 870.00 | 0.004 | 630.00 | 0.003 | 390.00 | 0.006 |
| 860.00 | 0.008 | 620.00 | 0.002 | 380.00 | 0.008 |
| 850.00 | 0.003 | 610.00 | 0.003 | 370.00 | 0.009 |
| 840.00 | 0.005 | 600.00 | 0.002 | 360.00 | 0.012 |
| 830.00 | 0.003 | 590.00 | 0.002 | 350.00 | 0.014 |
| 820.00 | 0.003 | 580.00 | 0.002 | 340.00 | 0.015 |
| 810.00 | 0.003 | 570.00 | 0.003 | 330.00 | 0.016 |
| 800.00 | 0.001 | 560.00 | 0.002 | 320.00 | 0.018 |
| 790.00 | 0.003 | 550.00 | 0.003 | 310.00 | 0.021 |
| 780.00 | 0.001 | 540.00 | 0.003 | 300.00 | 0.025 |
| 770.00 | 0.002 | 530.00 | 0.002 | 290.00 | 0.033 |
| 760.00 | 0.000 | 520.00 | 0.002 | 280.00 | 0.032 |
| 750.00 | 0.002 | 510.00 | 0.003 | 270.00 | 0.041 |
| 740.00 | 0.002 | 500.00 | 0.002 | 260.00 | 0.045 |
| 730.00 | 0.002 | 490.00 | 0.003 | 250.00 | 0.050 |
| 720.00 | 0.003 | 480.00 | 0.002 | 240.00 | 0.054 |
| 710.00 | 0.003 | 470.00 | 0.002 | 230.00 | 0.062 |
| 700.00 | 0.002 | 460.00 | 0.001 | 220.00 | 0.074 |
| 690.00 | 0.002 | 450.00 | 0.002 | 210.00 | 0.086 |
| 680.00 | 0.001 | 440.00 | 0.001 | 200.00 | 0.105 |
| 670.00 | 0.001 | 430.00 | 0.001 | | |

Sample Name: Sample 20 Rack 1 Tube 20

Collection Time 10/9/2019 2:06:00 PM

Peak Table
Peak Style Peaks
Peak Threshold 0.0100
Range 900.00nm to 200.00nm

| Wavelength (nm) | Abs |
|-----------------|--------|
| 894.40 | -0.005 |
| 890.40 | 0.012 |
| 884.80 | 0.008 |
| 882.40 | 0.012 |
| 867.20 | 0.007 |

X-Y Pairs Table

Data Interval 10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|-------|-----------------|--------|-----------------|--------|
| 900.00 | 0.000 | 660.00 | 0.001 | 420.00 | -0.002 |
| 890.00 | 0.006 | 650.00 | 0.002 | 410.00 | -0.002 |
| 880.00 | 0.003 | 640.00 | 0.002 | 400.00 | -0.001 |
| 870.00 | 0.004 | 630.00 | 0.002 | 390.00 | -0.001 |
| 860.00 | 0.005 | 620.00 | 0.001 | 380.00 | 0.000 |
| 850.00 | 0.004 | 610.00 | 0.002 | 370.00 | 0.001 |
| 840.00 | 0.003 | 600.00 | 0.001 | 360.00 | 0.001 |
| 830.00 | 0.003 | 590.00 | 0.001 | 350.00 | 0.003 |
| 820.00 | 0.004 | 580.00 | 0.003 | 340.00 | 0.005 |
| 810.00 | 0.003 | 570.00 | 0.002 | 330.00 | 0.001 |
| 800.00 | 0.004 | 560.00 | 0.002 | 320.00 | 0.000 |
| 790.00 | 0.003 | 550.00 | 0.002 | 310.00 | -0.001 |
| 780.00 | 0.002 | 540.00 | 0.002 | 300.00 | -0.001 |
| 770.00 | 0.002 | 530.00 | 0.002 | 290.00 | 0.002 |
| 760.00 | 0.002 | 520.00 | 0.002 | 280.00 | -0.001 |
| 750.00 | 0.003 | 510.00 | 0.002 | 270.00 | 0.001 |
| 740.00 | 0.002 | 500.00 | 0.001 | 260.00 | 0.001 |
| 730.00 | 0.003 | 490.00 | 0.001 | 250.00 | 0.001 |
| 720.00 | 0.002 | 480.00 | 0.001 | 240.00 | 0.002 |
| 710.00 | 0.002 | 470.00 | 0.001 | 230.00 | 0.000 |
| 700.00 | 0.002 | 460.00 | 0.000 | 220.00 | 0.005 |
| 690.00 | 0.001 | 450.00 | -0.001 | 210.00 | 0.001 |
| 680.00 | 0.002 | 440.00 | -0.002 | 200.00 | 0.002 |
| 670.00 | 0.002 | 430.00 | -0.001 | | |

Sample Name: Sample 21 Rack 1 Tube 21

Collection Time 10/9/2019 2:09:12 PM

Peak Table
 Peak Style Peaks
 Peak Threshold 0.0100
 Range 900.00nm to 200.00nm

| Wavelength (nm) | Abs |
|-----------------|-------|
| 899.20 | 0.008 |
| 893.60 | 0.005 |
| 891.20 | 0.001 |
| 882.40 | 0.016 |
| 870.40 | 0.007 |
| 349.60 | 0.009 |

X-Y Pairs Table
 Data Interval 10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|--------|-----------------|-------|-----------------|-------|
| 900.00 | -0.012 | 660.00 | 0.002 | 420.00 | 0.000 |
| 890.00 | -0.006 | 650.00 | 0.002 | 410.00 | 0.000 |
| 880.00 | 0.003 | 640.00 | 0.002 | 400.00 | 0.001 |
| 870.00 | 0.005 | 630.00 | 0.003 | 390.00 | 0.003 |
| 860.00 | 0.003 | 620.00 | 0.002 | 380.00 | 0.004 |
| 850.00 | 0.002 | 610.00 | 0.003 | 370.00 | 0.004 |
| 840.00 | 0.005 | 600.00 | 0.003 | 360.00 | 0.005 |
| 830.00 | 0.004 | 590.00 | 0.002 | 350.00 | 0.009 |
| 820.00 | 0.005 | 580.00 | 0.003 | 340.00 | 0.005 |
| 810.00 | 0.004 | 570.00 | 0.003 | 330.00 | 0.005 |
| 800.00 | 0.002 | 560.00 | 0.003 | 320.00 | 0.002 |
| 790.00 | 0.002 | 550.00 | 0.003 | 310.00 | 0.006 |
| 780.00 | 0.002 | 540.00 | 0.003 | 300.00 | 0.009 |
| 770.00 | 0.003 | 530.00 | 0.003 | 290.00 | 0.011 |
| 760.00 | 0.003 | 520.00 | 0.003 | 280.00 | 0.008 |
| 750.00 | 0.004 | 510.00 | 0.003 | 270.00 | 0.012 |
| 740.00 | 0.004 | 500.00 | 0.002 | 260.00 | 0.013 |
| 730.00 | 0.003 | 490.00 | 0.002 | 250.00 | 0.015 |
| 720.00 | 0.004 | 480.00 | 0.001 | 240.00 | 0.014 |
| 710.00 | 0.004 | 470.00 | 0.001 | 230.00 | 0.018 |
| 700.00 | 0.004 | 460.00 | 0.001 | 220.00 | 0.023 |
| 690.00 | 0.003 | 450.00 | 0.001 | 210.00 | 0.030 |
| 680.00 | 0.003 | 440.00 | 0.000 | 200.00 | 0.038 |
| 670.00 | 0.002 | 430.00 | 0.000 | | |

Sample Name: Sample 22 Rack 1 Tube 22

Collection Time 10/9/2019 2:12:24 PM

Peak Table
 Peak Style Peaks
 Peak Threshold 0.0100
 Range 900.00nm to 200.00nm

| Wavelength (nm) | Abs |
|-----------------|-------|
| 896.80 | 0.002 |
| 892.80 | 0.010 |
| 890.40 | 0.009 |
| 882.40 | 0.013 |
| 869.60 | 0.007 |

X-Y Pairs Table
 Data Interval 10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|-------|-----------------|-------|-----------------|--------|
| 900.00 | 0.011 | 660.00 | 0.004 | 420.00 | -0.001 |
| 890.00 | 0.006 | 650.00 | 0.004 | 410.00 | -0.001 |
| 880.00 | 0.002 | 640.00 | 0.004 | 400.00 | 0.000 |
| 870.00 | 0.007 | 630.00 | 0.004 | 390.00 | 0.002 |
| 860.00 | 0.005 | 620.00 | 0.002 | 380.00 | 0.002 |
| 850.00 | 0.003 | 610.00 | 0.003 | 370.00 | 0.003 |
| 840.00 | 0.004 | 600.00 | 0.003 | 360.00 | 0.004 |
| 830.00 | 0.003 | 590.00 | 0.002 | 350.00 | 0.007 |
| 820.00 | 0.003 | 580.00 | 0.003 | 340.00 | 0.006 |
| 810.00 | 0.004 | 570.00 | 0.003 | 330.00 | 0.007 |

| | | | | | |
|--------|-------|--------|--------|--------|-------|
| 800.00 | 0.003 | 560.00 | 0.003 | 320.00 | 0.007 |
| 790.00 | 0.003 | 550.00 | 0.003 | 310.00 | 0.005 |
| 780.00 | 0.002 | 540.00 | 0.003 | 300.00 | 0.007 |
| 770.00 | 0.002 | 530.00 | 0.004 | 290.00 | 0.013 |
| 760.00 | 0.004 | 520.00 | 0.003 | 280.00 | 0.012 |
| 750.00 | 0.004 | 510.00 | 0.004 | 270.00 | 0.018 |
| 740.00 | 0.003 | 500.00 | 0.002 | 260.00 | 0.020 |
| 730.00 | 0.004 | 490.00 | 0.003 | 250.00 | 0.023 |
| 720.00 | 0.004 | 480.00 | 0.001 | 240.00 | 0.025 |
| 710.00 | 0.003 | 470.00 | 0.001 | 230.00 | 0.028 |
| 700.00 | 0.003 | 460.00 | 0.000 | 220.00 | 0.038 |
| 690.00 | 0.003 | 450.00 | 0.000 | 210.00 | 0.048 |
| 680.00 | 0.003 | 440.00 | -0.002 | 200.00 | 0.061 |
| 670.00 | 0.004 | 430.00 | -0.001 | | |

Sample Name: Sample 23 Rack 1 Tube 23

Collection Time 10/9/2019 2:15:36 PM

Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm) Abs

| | |
|--------|--------|
| 892.80 | -0.001 |
| 890.40 | 0.006 |
| 884.00 | 0.010 |
| 882.40 | 0.014 |
| 880.80 | 0.009 |
| 865.60 | 0.007 |
| 792.80 | 0.006 |

X-Y Pairs Table

Data Interval

10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|--------|-----------------|--------|-----------------|--------|
| 900.00 | -0.003 | 660.00 | 0.003 | 420.00 | -0.001 |
| 890.00 | 0.003 | 650.00 | 0.003 | 410.00 | -0.001 |
| 880.00 | 0.008 | 640.00 | 0.003 | 400.00 | -0.001 |
| 870.00 | 0.003 | 630.00 | 0.003 | 390.00 | 0.000 |
| 860.00 | 0.000 | 620.00 | 0.003 | 380.00 | 0.001 |
| 850.00 | 0.003 | 610.00 | 0.003 | 370.00 | 0.002 |
| 840.00 | 0.002 | 600.00 | 0.003 | 360.00 | 0.003 |
| 830.00 | 0.003 | 590.00 | 0.003 | 350.00 | 0.004 |
| 820.00 | 0.003 | 580.00 | 0.003 | 340.00 | 0.000 |
| 810.00 | 0.005 | 570.00 | 0.003 | 330.00 | 0.000 |
| 800.00 | 0.003 | 560.00 | 0.002 | 320.00 | 0.000 |
| 790.00 | 0.005 | 550.00 | 0.003 | 310.00 | -0.001 |
| 780.00 | 0.003 | 540.00 | 0.003 | 300.00 | 0.000 |
| 770.00 | 0.004 | 530.00 | 0.002 | 290.00 | 0.002 |
| 760.00 | 0.004 | 520.00 | 0.002 | 280.00 | 0.003 |
| 750.00 | 0.004 | 510.00 | 0.004 | 270.00 | 0.003 |
| 740.00 | 0.003 | 500.00 | 0.004 | 260.00 | 0.004 |
| 730.00 | 0.003 | 490.00 | 0.003 | 250.00 | 0.004 |
| 720.00 | 0.004 | 480.00 | 0.002 | 240.00 | 0.007 |
| 710.00 | 0.004 | 470.00 | 0.001 | 230.00 | 0.012 |
| 700.00 | 0.003 | 460.00 | 0.000 | 220.00 | 0.026 |
| 690.00 | 0.002 | 450.00 | -0.001 | 210.00 | 0.052 |
| 680.00 | 0.003 | 440.00 | -0.002 | 200.00 | 0.068 |
| 670.00 | 0.003 | 430.00 | -0.001 | | |

Sample Name: Sample 24 Rack 1 Tube 24

Collection Time 10/9/2019 2:18:47 PM

Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm) Abs

| | |
|--------|-------|
| 890.40 | 0.010 |
| 882.40 | 0.007 |

870.40 0.008

X-Y Pairs Table

Data Interval 10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|-------|-----------------|--------|-----------------|--------|
| 900.00 | 0.006 | 660.00 | 0.003 | 420.00 | -0.001 |
| 890.00 | 0.004 | 650.00 | 0.003 | 410.00 | -0.001 |
| 880.00 | 0.005 | 640.00 | 0.003 | 400.00 | 0.002 |
| 870.00 | 0.003 | 630.00 | 0.003 | 390.00 | 0.005 |
| 860.00 | 0.005 | 620.00 | 0.002 | 380.00 | 0.009 |
| 850.00 | 0.002 | 610.00 | 0.003 | 370.00 | 0.009 |
| 840.00 | 0.002 | 600.00 | 0.002 | 360.00 | 0.012 |
| 830.00 | 0.003 | 590.00 | 0.003 | 350.00 | 0.016 |
| 820.00 | 0.003 | 580.00 | 0.004 | 340.00 | 0.020 |
| 810.00 | 0.003 | 570.00 | 0.003 | 330.00 | 0.022 |
| 800.00 | 0.003 | 560.00 | 0.003 | 320.00 | 0.022 |
| 790.00 | 0.002 | 550.00 | 0.003 | 310.00 | 0.026 |
| 780.00 | 0.000 | 540.00 | 0.004 | 300.00 | 0.031 |
| 770.00 | 0.002 | 530.00 | 0.003 | 290.00 | 0.039 |
| 760.00 | 0.002 | 520.00 | 0.003 | 280.00 | 0.045 |
| 750.00 | 0.002 | 510.00 | 0.004 | 270.00 | 0.053 |
| 740.00 | 0.003 | 500.00 | 0.004 | 260.00 | 0.059 |
| 730.00 | 0.003 | 490.00 | 0.004 | 250.00 | 0.063 |
| 720.00 | 0.003 | 480.00 | 0.002 | 240.00 | 0.066 |
| 710.00 | 0.003 | 470.00 | 0.002 | 230.00 | 0.078 |
| 700.00 | 0.002 | 460.00 | 0.001 | 220.00 | 0.094 |
| 690.00 | 0.002 | 450.00 | 0.000 | 210.00 | 0.110 |
| 680.00 | 0.003 | 440.00 | -0.002 | 200.00 | 0.134 |
| 670.00 | 0.002 | 430.00 | -0.001 | | |

Sample Name: Sample 25 Rack 1 Tube 25

Collection Time 10/9/2019 2:21:59 PM

Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

| Wavelength (nm) | Abs |
|-----------------|-------|
| 895.20 | 0.008 |
| 892.80 | 0.006 |
| 890.40 | 0.005 |
| 882.40 | 0.026 |
| 876.80 | 0.004 |
| 872.00 | 0.007 |

X-Y Pairs Table

Data Interval 10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|--------|-----------------|-------|-----------------|-------|
| 900.00 | 0.002 | 660.00 | 0.003 | 420.00 | 0.003 |
| 890.00 | -0.001 | 650.00 | 0.003 | 410.00 | 0.004 |
| 880.00 | 0.002 | 640.00 | 0.003 | 400.00 | 0.005 |
| 870.00 | 0.001 | 630.00 | 0.003 | 390.00 | 0.008 |
| 860.00 | 0.007 | 620.00 | 0.002 | 380.00 | 0.012 |
| 850.00 | 0.004 | 610.00 | 0.003 | 370.00 | 0.014 |
| 840.00 | 0.005 | 600.00 | 0.003 | 360.00 | 0.018 |
| 830.00 | 0.003 | 590.00 | 0.003 | 350.00 | 0.021 |
| 820.00 | 0.005 | 580.00 | 0.004 | 340.00 | 0.028 |
| 810.00 | 0.004 | 570.00 | 0.004 | 330.00 | 0.029 |
| 800.00 | 0.004 | 560.00 | 0.003 | 320.00 | 0.030 |
| 790.00 | 0.004 | 550.00 | 0.004 | 310.00 | 0.037 |
| 780.00 | 0.004 | 540.00 | 0.004 | 300.00 | 0.046 |
| 770.00 | 0.004 | 530.00 | 0.004 | 290.00 | 0.056 |
| 760.00 | 0.004 | 520.00 | 0.004 | 280.00 | 0.062 |
| 750.00 | 0.004 | 510.00 | 0.005 | 270.00 | 0.074 |
| 740.00 | 0.004 | 500.00 | 0.004 | 260.00 | 0.083 |
| 730.00 | 0.004 | 490.00 | 0.005 | 250.00 | 0.089 |
| 720.00 | 0.003 | 480.00 | 0.003 | 240.00 | 0.098 |
| 710.00 | 0.004 | 470.00 | 0.003 | 230.00 | 0.111 |
| 700.00 | 0.003 | 460.00 | 0.002 | 220.00 | 0.133 |
| 690.00 | 0.003 | 450.00 | 0.002 | 210.00 | 0.159 |
| 680.00 | 0.002 | 440.00 | 0.001 | 200.00 | 0.185 |
| 670.00 | 0.003 | 430.00 | 0.001 | | |

Sample Name: Sample 26 Rack 1 Tube 26

Collection Time 10/9/2019 2:25:11 PM

Peak Table
 Peak Style Peaks
 Peak Threshold 0.0100
 Range 900.00nm to 200.00nm

| Wavelength (nm) | Abs |
|-----------------|--------|
| 897.60 | -0.001 |
| 890.40 | 0.004 |
| 882.40 | 0.020 |
| 879.20 | 0.007 |

X-Y Pairs Table

Data Interval 10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|--------|-----------------|-------|-----------------|-------|
| 900.00 | -0.002 | 660.00 | 0.004 | 420.00 | 0.007 |
| 890.00 | 0.004 | 650.00 | 0.004 | 410.00 | 0.009 |
| 880.00 | 0.001 | 640.00 | 0.004 | 400.00 | 0.012 |
| 870.00 | 0.004 | 630.00 | 0.003 | 390.00 | 0.017 |
| 860.00 | 0.004 | 620.00 | 0.003 | 380.00 | 0.022 |
| 850.00 | 0.004 | 610.00 | 0.003 | 370.00 | 0.025 |
| 840.00 | 0.004 | 600.00 | 0.003 | 360.00 | 0.032 |
| 830.00 | 0.006 | 590.00 | 0.003 | 350.00 | 0.039 |
| 820.00 | 0.006 | 580.00 | 0.004 | 340.00 | 0.043 |
| 810.00 | 0.004 | 570.00 | 0.004 | 330.00 | 0.050 |
| 800.00 | 0.003 | 560.00 | 0.004 | 320.00 | 0.056 |
| 790.00 | 0.003 | 550.00 | 0.004 | 310.00 | 0.064 |
| 780.00 | 0.002 | 540.00 | 0.005 | 300.00 | 0.074 |
| 770.00 | 0.003 | 530.00 | 0.004 | 290.00 | 0.091 |
| 760.00 | 0.002 | 520.00 | 0.004 | 280.00 | 0.104 |
| 750.00 | 0.004 | 510.00 | 0.005 | 270.00 | 0.118 |
| 740.00 | 0.003 | 500.00 | 0.005 | 260.00 | 0.132 |
| 730.00 | 0.003 | 490.00 | 0.006 | 250.00 | 0.144 |
| 720.00 | 0.004 | 480.00 | 0.005 | 240.00 | 0.157 |
| 710.00 | 0.004 | 470.00 | 0.006 | 230.00 | 0.185 |
| 700.00 | 0.003 | 460.00 | 0.005 | 220.00 | 0.213 |
| 690.00 | 0.003 | 450.00 | 0.006 | 210.00 | 0.247 |
| 680.00 | 0.002 | 440.00 | 0.006 | 200.00 | 0.287 |
| 670.00 | 0.003 | 430.00 | 0.006 | | |

Sample Name: Sample 27 Rack 1 Tube 27

Collection Time 10/9/2019 2:28:24 PM

Peak Table
 Peak Style Peaks
 Peak Threshold 0.0100
 Range 900.00nm to 200.00nm

| Wavelength (nm) | Abs |
|-----------------|-------|
| 892.80 | 0.001 |
| 890.40 | 0.007 |
| 886.40 | 0.004 |
| 882.40 | 0.012 |
| 879.20 | 0.019 |
| 873.60 | 0.009 |
| 338.40 | 0.041 |

X-Y Pairs Table

Data Interval 10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|-------|-----------------|-------|-----------------|-------|
| 900.00 | 0.016 | 660.00 | 0.003 | 420.00 | 0.006 |
| 890.00 | 0.003 | 650.00 | 0.003 | 410.00 | 0.007 |
| 880.00 | 0.006 | 640.00 | 0.003 | 400.00 | 0.010 |
| 870.00 | 0.004 | 630.00 | 0.003 | 390.00 | 0.014 |
| 860.00 | 0.005 | 620.00 | 0.002 | 380.00 | 0.017 |
| 850.00 | 0.005 | 610.00 | 0.002 | 370.00 | 0.021 |

| | | | | | |
|--------|-------|--------|-------|--------|-------|
| 840.00 | 0.002 | 600.00 | 0.002 | 360.00 | 0.025 |
| 830.00 | 0.003 | 590.00 | 0.003 | 350.00 | 0.034 |
| 820.00 | 0.004 | 580.00 | 0.003 | 340.00 | 0.036 |
| 810.00 | 0.003 | 570.00 | 0.003 | 330.00 | 0.044 |
| 800.00 | 0.003 | 560.00 | 0.003 | 320.00 | 0.048 |
| 790.00 | 0.002 | 550.00 | 0.004 | 310.00 | 0.056 |
| 780.00 | 0.003 | 540.00 | 0.004 | 300.00 | 0.069 |
| 770.00 | 0.003 | 530.00 | 0.003 | 290.00 | 0.084 |
| 760.00 | 0.003 | 520.00 | 0.004 | 280.00 | 0.093 |
| 750.00 | 0.003 | 510.00 | 0.004 | 270.00 | 0.108 |
| 740.00 | 0.003 | 500.00 | 0.004 | 260.00 | 0.122 |
| 730.00 | 0.004 | 490.00 | 0.005 | 250.00 | 0.129 |
| 720.00 | 0.003 | 480.00 | 0.004 | 240.00 | 0.143 |
| 710.00 | 0.004 | 470.00 | 0.005 | 230.00 | 0.165 |
| 700.00 | 0.003 | 460.00 | 0.004 | 220.00 | 0.195 |
| 690.00 | 0.003 | 450.00 | 0.005 | 210.00 | 0.227 |
| 680.00 | 0.003 | 440.00 | 0.004 | 200.00 | 0.256 |
| 670.00 | 0.003 | 430.00 | 0.005 | | |

Sample Name: Sample 28 Rack 1 Tube 28

Collection Time 10/9/2019 2:31:37 PM

Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

| Wavelength (nm) | Abs |
|-----------------|--------|
| 893.60 | -0.004 |
| 888.00 | -0.001 |
| 882.40 | 0.009 |
| 879.20 | 0.007 |
| 870.40 | 0.011 |
| 867.20 | 0.007 |

X-Y Pairs Table

Data Interval

10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|--------|-----------------|--------|-----------------|--------|
| 900.00 | 0.000 | 660.00 | 0.004 | 420.00 | -0.003 |
| 890.00 | -0.003 | 650.00 | 0.004 | 410.00 | -0.003 |
| 880.00 | 0.003 | 640.00 | 0.004 | 400.00 | -0.002 |
| 870.00 | 0.008 | 630.00 | 0.004 | 390.00 | 0.000 |
| 860.00 | 0.004 | 620.00 | 0.004 | 380.00 | 0.000 |
| 850.00 | 0.004 | 610.00 | 0.004 | 370.00 | -0.001 |
| 840.00 | 0.005 | 600.00 | 0.004 | 360.00 | 0.002 |
| 830.00 | 0.004 | 590.00 | 0.003 | 350.00 | 0.001 |
| 820.00 | 0.005 | 580.00 | 0.003 | 340.00 | 0.002 |
| 810.00 | 0.005 | 570.00 | 0.003 | 330.00 | -0.002 |
| 800.00 | 0.004 | 560.00 | 0.002 | 320.00 | -0.003 |
| 790.00 | 0.003 | 550.00 | 0.004 | 310.00 | -0.001 |
| 780.00 | 0.004 | 540.00 | 0.003 | 300.00 | 0.001 |
| 770.00 | 0.003 | 530.00 | 0.003 | 290.00 | 0.003 |
| 760.00 | 0.004 | 520.00 | 0.003 | 280.00 | 0.000 |
| 750.00 | 0.005 | 510.00 | 0.003 | 270.00 | 0.003 |
| 740.00 | 0.004 | 500.00 | 0.002 | 260.00 | 0.005 |
| 730.00 | 0.004 | 490.00 | 0.002 | 250.00 | 0.003 |
| 720.00 | 0.004 | 480.00 | 0.001 | 240.00 | 0.004 |
| 710.00 | 0.004 | 470.00 | -0.001 | 230.00 | 0.009 |
| 700.00 | 0.004 | 460.00 | -0.002 | 220.00 | 0.014 |
| 690.00 | 0.004 | 450.00 | -0.002 | 210.00 | 0.025 |
| 680.00 | 0.004 | 440.00 | -0.003 | 200.00 | 0.032 |
| 670.00 | 0.004 | 430.00 | -0.003 | | |

Sample Name: Sample 29 Rack 1 Tube 29

Collection Time 10/9/2019 2:34:49 PM

Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

| Wavelength (nm) | Abs |
|-----------------|-----|
|-----------------|-----|

| | |
|--------|--------|
| 897.60 | -0.002 |
| 893.60 | 0.004 |
| 890.40 | 0.004 |
| 887.20 | 0.008 |
| 880.00 | 0.014 |
| 872.00 | 0.007 |
| 313.60 | 0.007 |

X-Y Pairs Table

Data Interval

10.00

| Wavelength (nm) | Abs | Wavelength (nm) | Abs | Wavelength (nm) | Abs |
|-----------------|--------|-----------------|--------|-----------------|--------|
| 900.00 | -0.006 | 660.00 | 0.003 | 420.00 | -0.002 |
| 890.00 | 0.000 | 650.00 | 0.003 | 410.00 | -0.003 |
| 880.00 | 0.014 | 640.00 | 0.003 | 400.00 | -0.002 |
| 870.00 | 0.003 | 630.00 | 0.004 | 390.00 | -0.002 |
| 860.00 | 0.005 | 620.00 | 0.002 | 380.00 | -0.001 |
| 850.00 | 0.002 | 610.00 | 0.003 | 370.00 | -0.001 |
| 840.00 | 0.003 | 600.00 | 0.003 | 360.00 | -0.001 |
| 830.00 | 0.003 | 590.00 | 0.002 | 350.00 | 0.003 |
| 820.00 | 0.005 | 580.00 | 0.002 | 340.00 | 0.002 |
| 810.00 | 0.004 | 570.00 | 0.002 | 330.00 | 0.003 |
| 800.00 | 0.002 | 560.00 | 0.002 | 320.00 | -0.001 |
| 790.00 | 0.004 | 550.00 | 0.003 | 310.00 | -0.002 |
| 780.00 | 0.002 | 540.00 | 0.003 | 300.00 | 0.000 |
| 770.00 | 0.004 | 530.00 | 0.003 | 290.00 | 0.003 |
| 760.00 | 0.003 | 520.00 | 0.003 | 280.00 | -0.002 |
| 750.00 | 0.004 | 510.00 | 0.003 | 270.00 | 0.002 |
| 740.00 | 0.003 | 500.00 | 0.002 | 260.00 | 0.002 |
| 730.00 | 0.004 | 490.00 | 0.002 | 250.00 | 0.002 |
| 720.00 | 0.004 | 480.00 | 0.002 | 240.00 | 0.001 |
| 710.00 | 0.004 | 470.00 | 0.001 | 230.00 | 0.001 |
| 700.00 | 0.003 | 460.00 | 0.000 | 220.00 | 0.002 |
| 690.00 | 0.003 | 450.00 | 0.000 | 210.00 | 0.004 |
| 680.00 | 0.002 | 440.00 | -0.002 | 200.00 | 0.005 |
| 670.00 | 0.003 | 430.00 | -0.002 | | |