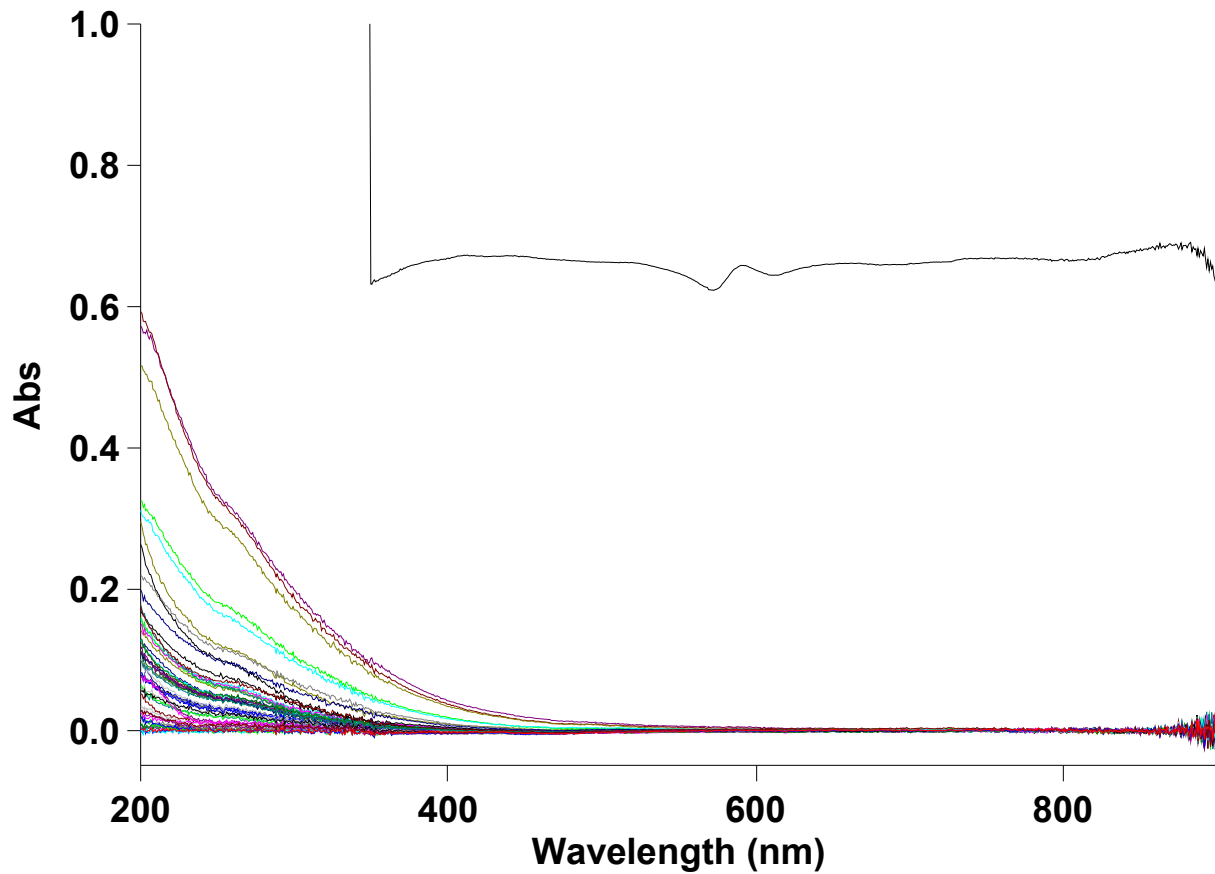


NIVA



## Scan Analysis Report

Report Time : Tue 22 Oct 01:10:45 PM 2019  
Method: H:\1000 sjøer UV-spek\UV-scan MED SAMPLER 1000 sjoer.MSW  
Batch: H:\1000 sjøer UV-spek\191023\191021\_run.BSW  
Software version: 4.20(468)  
Operator: SIJ

## Zero Report

Read	Abs (900.00)
Zero	0.6293

## Sample Name: Baseline 100%T

Collection Time 10/21/2019 2:28:40 PM

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

Wavelength (nm)	Abs
896.00	0.663
894.40	0.667
892.00	0.682

888.00	0.682
883.20	0.691
592.00	0.658
412.80	0.673

X-Y Pairs Table  
Data Interval

10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	0.642	660.00	0.661	420.00	0.672
890.00	0.677	650.00	0.660	410.00	0.673
880.00	0.687	640.00	0.658	400.00	0.669
870.00	0.689	630.00	0.655	390.00	0.665
860.00	0.681	620.00	0.648	380.00	0.660
850.00	0.681	610.00	0.645	370.00	0.652
840.00	0.677	600.00	0.652	360.00	0.642
830.00	0.673	590.00	0.658	350.00	0.632
820.00	0.667	580.00	0.636	340.00	1.302
810.00	0.666	570.00	0.624	330.00	1.304
800.00	0.666	560.00	0.638	320.00	1.317
790.00	0.666	550.00	0.647	310.00	1.328
780.00	0.667	540.00	0.653	300.00	1.337
770.00	0.669	530.00	0.659	290.00	1.350
760.00	0.668	520.00	0.662	280.00	1.366
750.00	0.668	510.00	0.662	270.00	1.384
740.00	0.668	500.00	0.663	260.00	1.398
730.00	0.666	490.00	0.664	250.00	1.417
720.00	0.663	480.00	0.665	240.00	1.436
710.00	0.662	470.00	0.667	230.00	1.449
700.00	0.660	460.00	0.668	220.00	1.469
690.00	0.660	450.00	0.671	210.00	1.487
680.00	0.659	440.00	0.672	200.00	1.513
670.00	0.661	430.00	0.672		

**Sample Name: Sample 1 Rack 1 Tube 1**

Collection Time 10/21/2019 2:33:21 PM

## Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm)	Abs
899.20	0.011
893.60	0.012
891.20	0.004
887.20	0.009
884.00	0.006
875.20	0.007
350.40	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	0.001	420.00	0.000
890.00	-0.003	650.00	0.001	410.00	-0.001
880.00	0.001	640.00	0.000	400.00	0.000
870.00	-0.005	630.00	0.000	390.00	0.001
860.00	0.003	620.00	-0.001	380.00	0.001
850.00	-0.001	610.00	0.000	370.00	0.001
840.00	-0.002	600.00	0.000	360.00	0.002
830.00	-0.002	590.00	0.000	350.00	0.006
820.00	0.001	580.00	-0.001	340.00	0.004
810.00	0.000	570.00	-0.001	330.00	0.004
800.00	0.000	560.00	-0.001	320.00	0.006
790.00	0.000	550.00	-0.001	310.00	0.004
780.00	0.000	540.00	0.000	300.00	0.000
770.00	0.000	530.00	0.000	290.00	0.001
760.00	0.001	520.00	0.000	280.00	0.000
750.00	0.001	510.00	0.000	270.00	0.000
740.00	0.001	500.00	0.000	260.00	0.001
730.00	0.001	490.00	0.000	250.00	0.000
720.00	0.001	480.00	0.000	240.00	-0.002
710.00	0.001	470.00	-0.002	230.00	0.000

700.00	0.000	460.00	-0.002	220.00	0.001
690.00	0.001	450.00	-0.002	210.00	-0.001
680.00	0.000	440.00	-0.001	200.00	0.000
670.00	0.000	430.00	-0.001		

**Sample Name: Sample 2 Rack 1 Tube 2**

Collection Time 10/21/2019 2:36:34 PM

## Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm)	Abs
898.40	0.018
895.20	0.022
891.20	0.010
888.80	0.013
887.20	0.015
880.80	0.009
877.60	0.009
866.40	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	0.004	420.00	0.031
890.00	0.001	650.00	0.004	410.00	0.037
880.00	0.001	640.00	0.004	400.00	0.043
870.00	-0.004	630.00	0.004	390.00	0.052
860.00	0.001	620.00	0.004	380.00	0.061
850.00	0.001	610.00	0.005	370.00	0.073
840.00	-0.001	600.00	0.006	360.00	0.087
830.00	-0.002	590.00	0.006	350.00	0.103
820.00	0.000	580.00	0.006	340.00	0.115
810.00	-0.001	570.00	0.006	330.00	0.135
800.00	0.000	560.00	0.007	320.00	0.153
790.00	0.001	550.00	0.007	310.00	0.176
780.00	0.002	540.00	0.008	300.00	0.199
770.00	0.001	530.00	0.008	290.00	0.226
760.00	0.003	520.00	0.009	280.00	0.254
750.00	0.002	510.00	0.011	270.00	0.286
740.00	0.003	500.00	0.012	260.00	0.313
730.00	0.003	490.00	0.013	250.00	0.334
720.00	0.003	480.00	0.014	240.00	0.371
710.00	0.003	470.00	0.015	230.00	0.422
700.00	0.003	460.00	0.018	220.00	0.474
690.00	0.003	450.00	0.020	210.00	0.536
680.00	0.003	440.00	0.024	200.00	0.573
670.00	0.004	430.00	0.027		

**Sample Name: Sample 3 Rack 1 Tube 3**

Collection Time 10/21/2019 2:39:46 PM

## Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm)	Abs
898.40	-0.002
896.80	0.005
895.20	0.004
893.60	0.008
889.60	0.007
887.20	0.015
877.60	0.006
875.20	0.006

## X-Y Pairs Table

Data Interval 10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.013	660.00	0.001	420.00	0.000
890.00	-0.001	650.00	0.001	410.00	0.000
880.00	0.001	640.00	0.001	400.00	0.000
870.00	-0.003	630.00	0.000	390.00	0.000
860.00	0.003	620.00	0.000	380.00	0.002
850.00	-0.002	610.00	0.000	370.00	0.001
840.00	-0.001	600.00	0.000	360.00	0.001
830.00	-0.001	590.00	0.001	350.00	0.004
820.00	0.000	580.00	0.000	340.00	0.002
810.00	-0.001	570.00	0.001	330.00	0.002
800.00	-0.001	560.00	0.001	320.00	0.005
790.00	0.001	550.00	0.001	310.00	0.007
780.00	0.001	540.00	0.001	300.00	0.004
770.00	-0.001	530.00	0.001	290.00	0.005
760.00	0.002	520.00	0.001	280.00	0.008
750.00	0.001	510.00	0.000	270.00	0.008
740.00	0.001	500.00	0.001	260.00	0.008
730.00	0.001	490.00	0.000	250.00	0.009
720.00	0.001	480.00	0.000	240.00	0.011
710.00	0.000	470.00	-0.002	230.00	0.018
700.00	0.000	460.00	-0.001	220.00	0.019
690.00	0.001	450.00	-0.002	210.00	0.028
680.00	0.002	440.00	0.000	200.00	0.053
670.00	0.001	430.00	0.000		

**Sample Name: Sample 4 Rack 1 Tube 4**

Collection Time 10/21/2019 2:42:58 PM

## Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm)	Abs
898.40	0.006
893.60	0.012
891.20	0.008
889.60	0.014
887.20	0.009
877.60	0.007

## X-Y Pairs Table

Data Interval

10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.017	660.00	0.001	420.00	0.002
890.00	0.005	650.00	0.000	410.00	0.002
880.00	-0.004	640.00	0.000	400.00	0.003
870.00	-0.003	630.00	0.000	390.00	0.005
860.00	0.002	620.00	0.000	380.00	0.006
850.00	0.000	610.00	0.001	370.00	0.008
840.00	-0.001	600.00	0.002	360.00	0.010
830.00	-0.001	590.00	0.002	350.00	0.012
820.00	0.000	580.00	0.001	340.00	0.011
810.00	-0.001	570.00	0.002	330.00	0.013
800.00	0.000	560.00	0.001	320.00	0.020
790.00	0.000	550.00	0.002	310.00	0.021
780.00	0.000	540.00	0.002	300.00	0.024
770.00	0.000	530.00	0.003	290.00	0.026
760.00	0.000	520.00	0.003	280.00	0.032
750.00	0.000	510.00	0.004	270.00	0.037
740.00	0.000	500.00	0.004	260.00	0.041
730.00	0.000	490.00	0.003	250.00	0.046
720.00	0.000	480.00	0.003	240.00	0.050
710.00	0.000	470.00	0.001	230.00	0.059
700.00	0.001	460.00	0.001	220.00	0.068
690.00	0.000	450.00	0.000	210.00	0.081
680.00	0.001	440.00	0.001	200.00	0.110
670.00	0.001	430.00	0.001		

**Sample Name: Sample 5 Rack 1 Tube 5**

Collection Time 10/21/2019 2:46:11 PM

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

Wavelength (nm)	Abs
899.20	0.018
896.80	-0.006
895.20	0.003
889.60	0.009
885.60	0.010
877.60	0.004

X-Y Pairs Table  
 Data Interval 10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.007	660.00	0.001	420.00	0.006
890.00	0.004	650.00	0.001	410.00	0.008
880.00	0.001	640.00	0.001	400.00	0.010
870.00	-0.003	630.00	0.001	390.00	0.012
860.00	0.001	620.00	0.000	380.00	0.015
850.00	-0.004	610.00	0.001	370.00	0.018
840.00	-0.002	600.00	0.001	360.00	0.022
830.00	-0.002	590.00	0.002	350.00	0.028
820.00	-0.001	580.00	0.001	340.00	0.031
810.00	-0.002	570.00	0.001	330.00	0.036
800.00	-0.002	560.00	0.002	320.00	0.045
790.00	0.000	550.00	0.002	310.00	0.053
780.00	0.000	540.00	0.003	300.00	0.064
770.00	-0.001	530.00	0.003	290.00	0.076
760.00	0.000	520.00	0.003	280.00	0.092
750.00	0.001	510.00	0.004	270.00	0.104
740.00	0.001	500.00	0.004	260.00	0.113
730.00	0.001	490.00	0.004	250.00	0.124
720.00	0.001	480.00	0.003	240.00	0.134
710.00	0.001	470.00	0.002	230.00	0.161
700.00	0.000	460.00	0.002	220.00	0.188
690.00	0.001	450.00	0.003	210.00	0.225
680.00	0.001	440.00	0.005	200.00	0.296
670.00	0.001	430.00	0.006		

**Sample Name: Sample 6 Rack 1 Tube 6**

Collection Time 10/21/2019 2:49:24 PM

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

Wavelength (nm)	Abs
898.40	0.011
896.80	0.008
895.20	0.004
893.60	0.010
888.80	0.009
887.20	0.013
877.60	0.011

X-Y Pairs Table  
 Data Interval 10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.021	660.00	0.001	420.00	0.001
890.00	0.000	650.00	0.001	410.00	0.000
880.00	0.002	640.00	0.000	400.00	0.001
870.00	-0.001	630.00	0.000	390.00	0.002
860.00	0.002	620.00	0.000	380.00	0.003
850.00	-0.002	610.00	0.001	370.00	0.003
840.00	-0.003	600.00	0.000	360.00	0.004
830.00	-0.002	590.00	0.000	350.00	0.004

820.00	0.001	580.00	0.000	340.00	0.005
810.00	-0.001	570.00	0.000	330.00	0.005
800.00	-0.002	560.00	-0.001	320.00	0.012
790.00	0.000	550.00	-0.001	310.00	0.010
780.00	0.000	540.00	0.000	300.00	0.012
770.00	-0.001	530.00	-0.001	290.00	0.015
760.00	0.000	520.00	-0.001	280.00	0.019
750.00	0.000	510.00	-0.001	270.00	0.020
740.00	0.000	500.00	-0.001	260.00	0.023
730.00	-0.001	490.00	-0.001	250.00	0.029
720.00	0.000	480.00	-0.001	240.00	0.032
710.00	0.000	470.00	-0.002	230.00	0.041
700.00	-0.001	460.00	-0.002	220.00	0.051
690.00	0.000	450.00	-0.002	210.00	0.068
680.00	0.000	440.00	-0.001	200.00	0.098
670.00	0.000	430.00	0.000		

**Sample Name: Sample 7 Rack 1 Tube 7**

Collection Time 10/21/2019 2:52:36 PM

## Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm)	Abs
899.20	0.014
895.20	0.004
893.60	0.002
891.20	0.008
884.00	0.009
877.60	0.009
866.40	0.007

## X-Y Pairs Table

Data Interval

10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.023	660.00	0.000	420.00	0.001
890.00	-0.001	650.00	0.001	410.00	0.001
880.00	0.005	640.00	0.000	400.00	0.001
870.00	-0.003	630.00	0.000	390.00	0.002
860.00	0.002	620.00	-0.001	380.00	0.002
850.00	-0.001	610.00	0.000	370.00	0.003
840.00	-0.001	600.00	0.000	360.00	0.003
830.00	0.001	590.00	0.000	350.00	0.005
820.00	0.001	580.00	0.000	340.00	0.005
810.00	0.000	570.00	0.000	330.00	0.004
800.00	0.000	560.00	0.001	320.00	0.004
790.00	0.000	550.00	0.000	310.00	0.008
780.00	0.000	540.00	0.001	300.00	0.005
770.00	-0.002	530.00	0.001	290.00	0.009
760.00	0.001	520.00	0.000	280.00	0.016
750.00	-0.001	510.00	0.001	270.00	0.015
740.00	-0.002	500.00	0.000	260.00	0.018
730.00	-0.001	490.00	0.000	250.00	0.020
720.00	-0.001	480.00	0.000	240.00	0.023
710.00	-0.001	470.00	-0.001	230.00	0.028
700.00	-0.001	460.00	-0.001	220.00	0.033
690.00	-0.001	450.00	-0.001	210.00	0.042
680.00	0.000	440.00	0.000	200.00	0.061
670.00	0.000	430.00	0.000		

**Sample Name: Sample 8 Rack 1 Tube 8**

Collection Time 10/21/2019 2:55:48 PM

## Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

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

899.20	0.004
896.80	0.016
895.20	0.019
893.60	0.012
886.40	0.011
884.00	0.007
877.60	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	-0.019	660.00	0.001	420.00	0.000
890.00	0.001	650.00	0.001	410.00	-0.001
880.00	0.002	640.00	0.001	400.00	-0.001
870.00	0.000	630.00	0.001	390.00	0.000
860.00	0.002	620.00	0.000	380.00	0.000
850.00	-0.002	610.00	0.001	370.00	0.000
840.00	-0.001	600.00	0.001	360.00	0.000
830.00	-0.001	590.00	0.001	350.00	0.001
820.00	0.000	580.00	0.000	340.00	0.003
810.00	-0.001	570.00	0.000	330.00	0.000
800.00	-0.001	560.00	0.000	320.00	0.003
790.00	0.000	550.00	-0.001	310.00	0.002
780.00	0.001	540.00	0.000	300.00	0.002
770.00	-0.001	530.00	-0.001	290.00	0.003
760.00	0.001	520.00	-0.002	280.00	0.003
750.00	0.000	510.00	-0.001	270.00	0.002
740.00	0.000	500.00	-0.001	260.00	0.003
730.00	0.000	490.00	0.000	250.00	0.003
720.00	0.001	480.00	0.000	240.00	0.003
710.00	0.001	470.00	-0.001	230.00	0.006
700.00	0.001	460.00	-0.001	220.00	0.014
690.00	0.000	450.00	-0.001	210.00	0.025
680.00	0.001	440.00	-0.001	200.00	0.035
670.00	0.001	430.00	-0.001		

**Sample Name: Sample 9 Rack 1 Tube 9**

Collection Time 10/21/2019 2:59:00 PM

## Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm)	Abs
895.20	0.015
893.60	0.015
887.20	0.011

## 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	0.001
890.00	-0.010	650.00	0.002	410.00	0.001
880.00	-0.002	640.00	0.002	400.00	0.001
870.00	-0.002	630.00	0.001	390.00	0.002
860.00	0.002	620.00	0.001	380.00	0.002
850.00	-0.002	610.00	0.001	370.00	0.004
840.00	-0.002	600.00	0.002	360.00	0.004
830.00	-0.001	590.00	0.002	350.00	0.005
820.00	-0.002	580.00	0.001	340.00	0.005
810.00	-0.001	570.00	0.001	330.00	0.005
800.00	-0.001	560.00	0.001	320.00	0.005
790.00	0.000	550.00	0.001	310.00	0.009
780.00	0.002	540.00	0.001	300.00	0.006
770.00	0.000	530.00	0.001	290.00	0.010
760.00	0.001	520.00	0.000	280.00	0.014
750.00	0.001	510.00	0.001	270.00	0.015
740.00	0.001	500.00	0.000	260.00	0.020
730.00	0.001	490.00	0.001	250.00	0.020
720.00	0.001	480.00	0.000	240.00	0.022
710.00	0.001	470.00	0.000	230.00	0.028

700.00	0.001	460.00	0.000	220.00	0.035
690.00	0.001	450.00	0.000	210.00	0.044
680.00	0.002	440.00	0.001	200.00	0.065
670.00	0.001	430.00	0.001		

**Sample Name: Sample 10 Rack 1 Tube 10**

Collection Time 10/21/2019 3:02:12 PM

## Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm)	Abs
898.40	0.009
895.20	0.008
893.60	0.008
890.40	0.014
877.60	0.009

## X-Y Pairs Table

Data Interval

10.00

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

**Sample Name: Sample 11 Rack 1 Tube 11**

Collection Time 10/21/2019 3:05:22 PM

## Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm)	Abs
898.40	0.011
895.20	0.023
892.80	0.010
888.80	0.007
884.00	0.009
877.60	0.009
875.20	0.008

## X-Y Pairs Table

Data Interval

10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.011	660.00	-0.001	420.00	0.003



890.00	-0.007	650.00	-0.001	410.00	0.003
880.00	0.005	640.00	-0.001	400.00	0.004
870.00	-0.002	630.00	-0.001	390.00	0.006
860.00	0.003	620.00	-0.001	380.00	0.007
850.00	-0.001	610.00	-0.001	370.00	0.009
840.00	-0.001	600.00	0.000	360.00	0.011
830.00	0.000	590.00	0.000	350.00	0.014
820.00	0.002	580.00	-0.001	340.00	0.015
810.00	0.000	570.00	-0.001	330.00	0.018
800.00	0.000	560.00	0.000	320.00	0.024
790.00	0.000	550.00	-0.001	310.00	0.030
780.00	0.001	540.00	0.000	300.00	0.033
770.00	-0.001	530.00	-0.001	290.00	0.038
760.00	0.000	520.00	0.000	280.00	0.049
750.00	0.000	510.00	0.000	270.00	0.057
740.00	0.000	500.00	0.000	260.00	0.063
730.00	-0.001	490.00	0.000	250.00	0.068
720.00	0.000	480.00	0.001	240.00	0.074
710.00	-0.001	470.00	-0.001	230.00	0.089
700.00	-0.001	460.00	0.000	220.00	0.104
690.00	-0.001	450.00	0.000	210.00	0.125
680.00	-0.001	440.00	0.001	200.00	0.159
670.00	0.000	430.00	0.002		

**Sample Name: Sample 12 Rack 1 Tube 12**

Collection Time 10/21/2019 3:08:33 PM

## Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm)	Abs
898.40	0.006
895.20	0.007
893.60	0.022
888.80	0.017
884.00	0.011
875.20	0.008

## X-Y Pairs Table

Data Interval

10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.012	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	0.001	400.00	0.003
870.00	0.000	630.00	0.001	390.00	0.005
860.00	0.004	620.00	0.000	380.00	0.005
850.00	0.000	610.00	0.001	370.00	0.006
840.00	-0.003	600.00	0.001	360.00	0.008
830.00	0.000	590.00	0.001	350.00	0.012
820.00	-0.001	580.00	0.001	340.00	0.011
810.00	0.000	570.00	0.001	330.00	0.015
800.00	0.001	560.00	0.000	320.00	0.019
790.00	0.001	550.00	0.001	310.00	0.021
780.00	0.002	540.00	0.001	300.00	0.024
770.00	0.000	530.00	0.000	290.00	0.029
760.00	0.001	520.00	0.000	280.00	0.036
750.00	0.001	510.00	0.000	270.00	0.040
740.00	0.001	500.00	0.001	260.00	0.045
730.00	0.001	490.00	0.001	250.00	0.048
720.00	0.001	480.00	0.000	240.00	0.050
710.00	0.001	470.00	-0.001	230.00	0.059
700.00	0.000	460.00	-0.001	220.00	0.067
690.00	0.000	450.00	-0.001	210.00	0.079
680.00	0.001	440.00	0.001	200.00	0.099
670.00	0.001	430.00	0.001		

**Sample Name: Sample 13 Rack 1 Tube 13**

Collection Time 10/21/2019 3:11:45 PM

## Peak Table

Peak Style  
Peak Threshold  
Range

Peaks  
0.0100  
900.00nm to 200.00nm

Wavelength (nm)	Abs
897.60	-0.001
893.60	0.019
891.20	0.003
887.20	0.023
875.20	0.007

X-Y Pairs Table  
Data Interval

10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.012	660.00	0.000	420.00	0.000
890.00	-0.005	650.00	0.001	410.00	0.000
880.00	-0.005	640.00	0.001	400.00	0.001
870.00	-0.001	630.00	0.001	390.00	0.003
860.00	0.002	620.00	0.000	380.00	0.004
850.00	0.000	610.00	0.000	370.00	0.006
840.00	-0.003	600.00	0.000	360.00	0.006
830.00	-0.001	590.00	0.000	350.00	0.007
820.00	0.001	580.00	0.000	340.00	0.008
810.00	0.000	570.00	0.000	330.00	0.012
800.00	0.001	560.00	0.000	320.00	0.014
790.00	0.000	550.00	0.000	310.00	0.015
780.00	0.001	540.00	0.000	300.00	0.017
770.00	-0.001	530.00	0.000	290.00	0.020
760.00	0.000	520.00	0.000	280.00	0.025
750.00	0.000	510.00	-0.001	270.00	0.027
740.00	-0.001	500.00	-0.001	260.00	0.032
730.00	0.000	490.00	-0.002	250.00	0.032
720.00	0.000	480.00	-0.002	240.00	0.035
710.00	0.000	470.00	-0.003	230.00	0.045
700.00	0.000	460.00	-0.003	220.00	0.052
690.00	-0.001	450.00	-0.003	210.00	0.061
680.00	0.000	440.00	-0.001	200.00	0.080
670.00	0.000	430.00	0.000		

### Sample Name: Sample 14 Rack 1 Tube 14

Collection Time 10/21/2019 3:14:58 PM

Peak Table  
Peak Style  
Peak Threshold  
Range

Peaks  
0.0100  
900.00nm to 200.00nm

Wavelength (nm)	Abs
898.40	0.009
895.20	0.009
893.60	0.011
888.80	0.014
887.20	0.007
884.00	0.006
875.20	0.008

X-Y Pairs Table  
Data Interval

10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.032	660.00	0.000	420.00	0.001
890.00	0.004	650.00	0.000	410.00	0.001
880.00	0.005	640.00	-0.001	400.00	0.002
870.00	-0.002	630.00	-0.001	390.00	0.003
860.00	0.005	620.00	-0.002	380.00	0.003
850.00	0.002	610.00	-0.001	370.00	0.004
840.00	-0.002	600.00	-0.001	360.00	0.006
830.00	0.000	590.00	0.000	350.00	0.008
820.00	0.002	580.00	0.000	340.00	0.006
810.00	0.000	570.00	0.000	330.00	0.008
800.00	0.000	560.00	0.000	320.00	0.012
790.00	0.001	550.00	0.000	310.00	0.014
780.00	0.001	540.00	0.000	300.00	0.017

770.00	0.000	530.00	0.000	290.00	0.020
760.00	0.001	520.00	0.000	280.00	0.023
750.00	0.001	510.00	0.000	270.00	0.027
740.00	0.001	500.00	0.000	260.00	0.032
730.00	0.001	490.00	0.000	250.00	0.033
720.00	0.000	480.00	-0.001	240.00	0.038
710.00	0.000	470.00	-0.002	230.00	0.045
700.00	0.000	460.00	-0.002	220.00	0.050
690.00	-0.001	450.00	-0.002	210.00	0.061
680.00	0.000	440.00	0.000	200.00	0.077
670.00	0.000	430.00	0.000		

**Sample Name: Sample 15 Rack 1 Tube 15**

Collection Time 10/21/2019 3:18:10 PM

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

Wavelength (nm)	Abs
898.40	-0.002
895.20	0.012
893.60	0.009
888.80	0.007
887.20	0.011
880.80	0.009
875.20	0.006

X-Y Pairs Table  
Data Interval 10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.011	660.00	0.001	420.00	0.001
890.00	-0.002	650.00	0.001	410.00	0.002
880.00	0.004	640.00	0.001	400.00	0.003
870.00	-0.004	630.00	0.001	390.00	0.004
860.00	0.001	620.00	0.001	380.00	0.005
850.00	-0.001	610.00	0.001	370.00	0.006
840.00	0.000	600.00	0.001	360.00	0.007
830.00	0.000	590.00	0.001	350.00	0.011
820.00	0.000	580.00	0.000	340.00	0.012
810.00	0.000	570.00	0.000	330.00	0.012
800.00	-0.001	560.00	0.000	320.00	0.016
790.00	0.000	550.00	0.000	310.00	0.019
780.00	0.001	540.00	0.000	300.00	0.020
770.00	-0.001	530.00	0.001	290.00	0.024
760.00	0.000	520.00	0.002	280.00	0.034
750.00	-0.001	510.00	0.002	270.00	0.038
740.00	0.000	500.00	0.002	260.00	0.042
730.00	0.000	490.00	0.002	250.00	0.046
720.00	-0.001	480.00	0.002	240.00	0.051
710.00	-0.001	470.00	0.001	230.00	0.060
700.00	0.000	460.00	0.000	220.00	0.072
690.00	-0.001	450.00	-0.001	210.00	0.087
680.00	0.000	440.00	0.001	200.00	0.117
670.00	0.000	430.00	0.001		

**Sample Name: Sample 16 Rack 1 Tube 16**

Collection Time 10/21/2019 3:21:23 PM

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

Wavelength (nm)	Abs
898.40	0.002
896.80	0.011
895.20	0.011
893.60	0.019
888.80	0.005

887.20	0.007
884.80	0.009
877.60	0.008
875.20	0.005

X-Y Pairs Table  
Data Interval

10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.018	660.00	0.001	420.00	0.001
890.00	0.002	650.00	0.000	410.00	0.002
880.00	-0.006	640.00	0.000	400.00	0.002
870.00	-0.002	630.00	-0.001	390.00	0.004
860.00	-0.002	620.00	-0.001	380.00	0.005
850.00	-0.004	610.00	-0.001	370.00	0.006
840.00	-0.001	600.00	-0.001	360.00	0.008
830.00	-0.003	590.00	0.000	350.00	0.011
820.00	-0.001	580.00	0.000	340.00	0.011
810.00	-0.002	570.00	-0.001	330.00	0.013
800.00	-0.002	560.00	0.000	320.00	0.019
790.00	0.000	550.00	-0.001	310.00	0.021
780.00	0.002	540.00	-0.001	300.00	0.024
770.00	0.000	530.00	0.000	290.00	0.030
760.00	0.001	520.00	-0.001	280.00	0.038
750.00	0.002	510.00	-0.001	270.00	0.040
740.00	0.002	500.00	-0.001	260.00	0.045
730.00	0.001	490.00	0.000	250.00	0.049
720.00	0.001	480.00	0.000	240.00	0.053
710.00	0.000	470.00	-0.001	230.00	0.064
700.00	0.001	460.00	0.000	220.00	0.074
690.00	0.000	450.00	-0.001	210.00	0.094
680.00	0.001	440.00	0.000	200.00	0.125
670.00	0.001	430.00	0.000		

**Sample Name: Sample 17 Rack 1 Tube 17**

Collection Time 10/21/2019 3:24:35 PM

Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm)	Abs
898.40	0.011
895.20	0.008
893.60	0.010
888.80	0.010
887.20	0.014
884.00	0.010
880.80	0.006

X-Y Pairs Table  
Data Interval

10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.004	660.00	0.001	420.00	0.000
890.00	-0.006	650.00	0.002	410.00	0.000
880.00	0.003	640.00	0.001	400.00	0.002
870.00	0.001	630.00	0.001	390.00	0.003
860.00	0.001	620.00	0.000	380.00	0.004
850.00	0.000	610.00	0.000	370.00	0.005
840.00	-0.002	600.00	0.000	360.00	0.006
830.00	0.001	590.00	0.001	350.00	0.009
820.00	0.000	580.00	-0.001	340.00	0.004
810.00	0.000	570.00	0.000	330.00	0.011
800.00	0.000	560.00	0.000	320.00	0.016
790.00	0.000	550.00	0.000	310.00	0.015
780.00	0.001	540.00	0.000	300.00	0.021
770.00	-0.001	530.00	0.000	290.00	0.026
760.00	0.001	520.00	-0.001	280.00	0.035
750.00	0.001	510.00	0.000	270.00	0.037
740.00	0.000	500.00	0.000	260.00	0.040
730.00	-0.001	490.00	0.000	250.00	0.044
720.00	0.000	480.00	-0.001	240.00	0.050
710.00	0.001	470.00	-0.001	230.00	0.060

700.00	0.000	460.00	-0.001	220.00	0.071
690.00	0.001	450.00	-0.001	210.00	0.086
680.00	0.001	440.00	-0.001	200.00	0.111
670.00	0.001	430.00	-0.001		

**Sample Name: Sample 18 Rack 1 Tube 18**

Collection Time 10/21/2019 3:27:47 PM

## Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm)	Abs
898.40	0.004
893.60	0.007
890.40	0.006
888.80	0.011
885.60	0.008
880.80	0.006
877.60	0.007

## X-Y Pairs Table

Data Interval 10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.024	660.00	0.002	420.00	0.003
890.00	-0.002	650.00	0.001	410.00	0.003
880.00	0.006	640.00	0.001	400.00	0.004
870.00	-0.001	630.00	0.001	390.00	0.006
860.00	0.004	620.00	0.000	380.00	0.007
850.00	0.000	610.00	0.001	370.00	0.008
840.00	0.000	600.00	0.001	360.00	0.011
830.00	0.000	590.00	0.001	350.00	0.014
820.00	0.000	580.00	0.000	340.00	0.014
810.00	0.001	570.00	0.001	330.00	0.017
800.00	0.000	560.00	0.001	320.00	0.023
790.00	0.001	550.00	0.000	310.00	0.024
780.00	0.001	540.00	0.001	300.00	0.026
770.00	0.001	530.00	0.000	290.00	0.033
760.00	0.003	520.00	0.000	280.00	0.043
750.00	0.002	510.00	0.000	270.00	0.050
740.00	0.002	500.00	-0.001	260.00	0.057
730.00	0.001	490.00	-0.001	250.00	0.063
720.00	0.001	480.00	-0.001	240.00	0.069
710.00	0.001	470.00	-0.002	230.00	0.081
700.00	0.001	460.00	-0.001	220.00	0.096
690.00	0.001	450.00	-0.001	210.00	0.114
680.00	0.002	440.00	0.001	200.00	0.143
670.00	0.001	430.00	0.002		

**Sample Name: Sample 19 Rack 1 Tube 19**

Collection Time 10/21/2019 3:30:59 PM

## Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm)	Abs
892.80	0.012
888.80	0.014
887.20	0.022
884.00	0.009
875.20	0.011
350.40	0.018

## X-Y Pairs Table

Data Interval 10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
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900.00	0.002	660.00	0.000	420.00	0.001
890.00	-0.003	650.00	0.001	410.00	0.002
880.00	0.004	640.00	0.000	400.00	0.004
870.00	-0.002	630.00	0.000	390.00	0.005
860.00	0.004	620.00	-0.001	380.00	0.007
850.00	0.000	610.00	0.000	370.00	0.010
840.00	-0.001	600.00	0.000	360.00	0.011
830.00	0.000	590.00	0.000	350.00	0.016
820.00	0.002	580.00	-0.001	340.00	0.014
810.00	0.000	570.00	-0.001	330.00	0.017
800.00	0.000	560.00	-0.001	320.00	0.021
790.00	0.002	550.00	0.000	310.00	0.027
780.00	0.002	540.00	0.000	300.00	0.026
770.00	0.001	530.00	0.000	290.00	0.031
760.00	0.002	520.00	0.001	280.00	0.039
750.00	0.001	510.00	0.001	270.00	0.043
740.00	0.001	500.00	0.001	260.00	0.049
730.00	0.000	490.00	0.001	250.00	0.051
720.00	0.001	480.00	0.001	240.00	0.054
710.00	-0.001	470.00	-0.001	230.00	0.069
700.00	0.000	460.00	0.000	220.00	0.083
690.00	-0.001	450.00	-0.001	210.00	0.104
680.00	0.001	440.00	0.000	200.00	0.129
670.00	0.000	430.00	0.001		

**Sample Name: Sample 20 Rack 1 Tube 20**

Collection Time 10/21/2019 3:34:12 PM

## Peak Table

Peak Style

Peaks

Peak Threshold

0.0100

Range

900.00nm to 200.00nm

Wavelength (nm)	Abs
898.40	0.009
896.80	0.006
895.20	0.019
892.80	0.018
890.40	0.003
888.80	0.012
875.20	0.009
866.40	0.007

## X-Y Pairs Table

Data Interval

10.00

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

**Sample Name: Sample 21 Rack 1 Tube 21**

Collection Time 10/21/2019 3:37:24 PM

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

Wavelength (nm)	Abs
899.20	0.022
895.20	0.001
893.60	0.005
891.20	0.002
888.00	0.005
885.60	0.006
884.00	0.018
877.60	0.013
876.00	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	0.001	420.00	0.001
890.00	-0.006	650.00	0.001	410.00	0.001
880.00	0.006	640.00	0.001	400.00	0.002
870.00	-0.001	630.00	0.001	390.00	0.003
860.00	0.004	620.00	0.001	380.00	0.005
850.00	0.001	610.00	0.001	370.00	0.005
840.00	0.003	600.00	0.001	360.00	0.008
830.00	0.000	590.00	0.001	350.00	0.009
820.00	0.003	580.00	0.000	340.00	0.008
810.00	0.002	570.00	0.000	330.00	0.010
800.00	0.002	560.00	-0.001	320.00	0.011
790.00	0.001	550.00	-0.001	310.00	0.016
780.00	0.002	540.00	0.000	300.00	0.017
770.00	0.001	530.00	-0.001	290.00	0.020
760.00	0.002	520.00	-0.001	280.00	0.027
750.00	0.001	510.00	-0.001	270.00	0.028
740.00	0.001	500.00	-0.001	260.00	0.033
730.00	0.000	490.00	0.000	250.00	0.036
720.00	0.001	480.00	0.000	240.00	0.037
710.00	0.000	470.00	0.000	230.00	0.046
700.00	0.000	460.00	0.000	220.00	0.058
690.00	0.000	450.00	0.000	210.00	0.071
680.00	0.001	440.00	0.000	200.00	0.102
670.00	0.001	430.00	0.000		

### Sample Name: Sample 22 Rack 1 Tube 22

Collection Time 10/21/2019 3:40:35 PM

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

Wavelength (nm)	Abs
898.40	0.005
896.80	0.006
895.20	0.016
890.40	0.009
887.20	0.013
884.00	0.011
877.60	0.009
348.00	0.014

X-Y Pairs Table  
 Data Interval 10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.018	660.00	0.002	420.00	0.001
890.00	0.005	650.00	0.002	410.00	0.002
880.00	0.000	640.00	0.002	400.00	0.003
870.00	-0.004	630.00	0.002	390.00	0.005
860.00	0.003	620.00	0.001	380.00	0.007

850.00	-0.001	610.00	0.002	370.00	0.007
840.00	-0.003	600.00	0.002	360.00	0.008
830.00	0.000	590.00	0.002	350.00	0.012
820.00	0.001	580.00	0.001	340.00	0.011
810.00	0.000	570.00	0.001	330.00	0.014
800.00	0.000	560.00	0.001	320.00	0.023
790.00	0.001	550.00	0.001	310.00	0.025
780.00	0.001	540.00	0.002	300.00	0.032
770.00	0.000	530.00	0.002	290.00	0.036
760.00	0.001	520.00	0.002	280.00	0.046
750.00	0.001	510.00	0.002	270.00	0.054
740.00	0.000	500.00	0.002	260.00	0.059
730.00	0.001	490.00	0.002	250.00	0.065
720.00	0.001	480.00	0.001	240.00	0.070
710.00	0.001	470.00	0.001	230.00	0.085
700.00	0.001	460.00	0.002	220.00	0.101
690.00	0.002	450.00	0.001	210.00	0.124
680.00	0.002	440.00	0.001	200.00	0.161
670.00	0.003	430.00	0.001		

**Sample Name: Sample 23 Rack 1 Tube 23**

Collection Time 10/21/2019 3:43:48 PM

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

Wavelength (nm)	Abs
899.20	0.008
897.60	0.007
893.60	0.016
887.20	0.010
877.60	0.007
867.20	0.006

## X-Y Pairs Table

Data Interval 10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.018	660.00	0.000	420.00	0.001
890.00	0.000	650.00	0.001	410.00	0.002
880.00	-0.005	640.00	0.000	400.00	0.004
870.00	-0.003	630.00	0.000	390.00	0.006
860.00	0.001	620.00	0.000	380.00	0.008
850.00	-0.001	610.00	0.000	370.00	0.010
840.00	-0.003	600.00	0.000	360.00	0.011
830.00	-0.001	590.00	0.000	350.00	0.016
820.00	0.003	580.00	0.000	340.00	0.017
810.00	0.001	570.00	0.000	330.00	0.019
800.00	0.002	560.00	0.001	320.00	0.024
790.00	0.001	550.00	0.001	310.00	0.028
780.00	0.001	540.00	0.000	300.00	0.033
770.00	0.000	530.00	-0.001	290.00	0.038
760.00	0.001	520.00	0.000	280.00	0.047
750.00	0.001	510.00	0.000	270.00	0.054
740.00	0.000	500.00	0.000	260.00	0.061
730.00	0.000	490.00	0.000	250.00	0.067
720.00	0.000	480.00	0.000	240.00	0.073
710.00	0.000	470.00	0.000	230.00	0.087
700.00	0.000	460.00	0.000	220.00	0.102
690.00	0.000	450.00	0.000	210.00	0.120
680.00	0.001	440.00	0.001	200.00	0.149
670.00	0.001	430.00	0.002		

**Sample Name: Sample 24 Rack 1 Tube 24**

Collection Time 10/21/2019 3:46:59 PM

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



Wavelength (nm)	Abs
899.20	0.008
896.80	0.005
895.20	0.009
893.60	0.023
888.80	0.013
887.20	0.010
877.60	0.009

X-Y Pairs Table  
Data Interval

10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.010	660.00	0.000	420.00	0.002
890.00	0.003	650.00	0.001	410.00	0.002
880.00	0.007	640.00	0.000	400.00	0.003
870.00	-0.002	630.00	0.000	390.00	0.005
860.00	0.003	620.00	-0.001	380.00	0.005
850.00	-0.001	610.00	0.000	370.00	0.007
840.00	0.001	600.00	0.000	360.00	0.009
830.00	0.001	590.00	0.000	350.00	0.010
820.00	0.001	580.00	0.000	340.00	0.013
810.00	0.000	570.00	0.000	330.00	0.016
800.00	0.000	560.00	0.000	320.00	0.017
790.00	0.000	550.00	0.000	310.00	0.021
780.00	0.001	540.00	0.001	300.00	0.025
770.00	0.000	530.00	0.001	290.00	0.028
760.00	0.000	520.00	0.001	280.00	0.034
750.00	0.000	510.00	0.001	270.00	0.039
740.00	0.000	500.00	0.001	260.00	0.045
730.00	0.000	490.00	0.001	250.00	0.052
720.00	0.000	480.00	0.001	240.00	0.056
710.00	0.000	470.00	0.000	230.00	0.067
700.00	0.000	460.00	0.000	220.00	0.079
690.00	0.000	450.00	0.000	210.00	0.096
680.00	0.001	440.00	0.001	200.00	0.130
670.00	0.000	430.00	0.001		

**Sample Name: Sample 25 Rack 1 Tube 25**

Collection Time 10/21/2019 3:50:12 PM

## Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm)	Abs
893.60	0.015
887.20	0.015
884.00	0.013
877.60	0.007
876.00	0.007
350.40	0.009

X-Y Pairs Table  
Data Interval

10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.021	660.00	0.001	420.00	0.000
890.00	0.000	650.00	0.001	410.00	0.000
880.00	0.004	640.00	0.000	400.00	0.000
870.00	0.001	630.00	0.000	390.00	0.001
860.00	0.003	620.00	0.000	380.00	0.002
850.00	0.001	610.00	0.000	370.00	0.003
840.00	0.001	600.00	0.001	360.00	0.004
830.00	0.002	590.00	0.001	350.00	0.007
820.00	0.003	580.00	0.000	340.00	0.006
810.00	0.002	570.00	0.000	330.00	0.005
800.00	0.002	560.00	0.000	320.00	0.006
790.00	0.002	550.00	0.000	310.00	0.012
780.00	0.002	540.00	0.000	300.00	0.015
770.00	0.000	530.00	0.000	290.00	0.016
760.00	0.001	520.00	-0.001	280.00	0.023
750.00	0.001	510.00	0.000	270.00	0.024

740.00	0.000	500.00	0.000	260.00	0.028
730.00	0.000	490.00	0.000	250.00	0.031
720.00	0.000	480.00	-0.001	240.00	0.033
710.00	0.001	470.00	-0.002	230.00	0.043
700.00	0.000	460.00	-0.002	220.00	0.050
690.00	0.001	450.00	-0.002	210.00	0.062
680.00	0.000	440.00	-0.001	200.00	0.081
670.00	0.000	430.00	0.000		

**Sample Name: Sample 26 Rack 1 Tube 26**

Collection Time 10/21/2019 3:53:23 PM

## Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm)	Abs
899.20	0.017
896.80	0.008
895.20	0.007
893.60	0.014
888.80	0.012
880.80	0.007
877.60	0.013
872.80	0.008

## X-Y Pairs Table

Data Interval

10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.012	660.00	0.001	420.00	0.003
890.00	0.002	650.00	0.001	410.00	0.004
880.00	0.002	640.00	0.000	400.00	0.005
870.00	-0.003	630.00	0.001	390.00	0.007
860.00	0.003	620.00	0.000	380.00	0.008
850.00	0.001	610.00	0.001	370.00	0.011
840.00	0.000	600.00	0.001	360.00	0.014
830.00	0.001	590.00	0.001	350.00	0.018
820.00	0.002	580.00	0.000	340.00	0.016
810.00	0.001	570.00	0.001	330.00	0.022
800.00	0.000	560.00	0.000	320.00	0.028
790.00	0.002	550.00	0.000	310.00	0.034
780.00	0.001	540.00	0.000	300.00	0.039
770.00	-0.001	530.00	0.001	290.00	0.047
760.00	0.001	520.00	0.001	280.00	0.057
750.00	0.001	510.00	0.002	270.00	0.067
740.00	0.001	500.00	0.001	260.00	0.073
730.00	0.001	490.00	0.001	250.00	0.079
720.00	0.002	480.00	0.000	240.00	0.086
710.00	0.000	470.00	-0.001	230.00	0.100
700.00	0.001	460.00	0.000	220.00	0.118
690.00	0.000	450.00	0.000	210.00	0.141
680.00	0.000	440.00	0.001	200.00	0.169
670.00	0.001	430.00	0.002		

**Sample Name: Sample 27 Rack 1 Tube 27**

Collection Time 10/21/2019 3:56:36 PM

## Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm)	Abs
891.20	0.005
888.80	0.005
887.20	0.008
879.20	0.008
875.20	0.008

## X-Y Pairs Table

Data Interval 10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	0.001	660.00	0.002	420.00	0.001
890.00	-0.002	650.00	0.002	410.00	0.001
880.00	0.003	640.00	0.002	400.00	0.001
870.00	-0.004	630.00	0.002	390.00	0.002
860.00	0.004	620.00	0.001	380.00	0.002
850.00	-0.001	610.00	0.001	370.00	0.003
840.00	-0.001	600.00	0.001	360.00	0.005
830.00	0.001	590.00	0.001	350.00	0.007
820.00	0.002	580.00	0.001	340.00	0.009
810.00	0.002	570.00	0.001	330.00	0.010
800.00	0.000	560.00	0.001	320.00	0.015
790.00	0.001	550.00	0.000	310.00	0.015
780.00	0.002	540.00	0.000	300.00	0.016
770.00	0.001	530.00	0.000	290.00	0.017
760.00	0.001	520.00	0.000	280.00	0.023
750.00	0.002	510.00	0.001	270.00	0.023
740.00	0.002	500.00	0.001	260.00	0.026
730.00	0.001	490.00	0.001	250.00	0.031
720.00	0.002	480.00	0.001	240.00	0.033
710.00	0.001	470.00	0.000	230.00	0.040
700.00	0.002	460.00	0.000	220.00	0.048
690.00	0.002	450.00	-0.001	210.00	0.059
680.00	0.002	440.00	0.000	200.00	0.083
670.00	0.003	430.00	0.001		

**Sample Name: Sample 28 Rack 1 Tube 28**

Collection Time 10/21/2019 3:59:49 PM

## Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm)	Abs
896.80	0.014
895.20	0.023
890.40	0.001
887.20	0.020
877.60	0.010
875.20	0.009
860.00	0.006
291.20	0.013

## 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	-0.001
890.00	0.000	650.00	0.002	410.00	-0.001
880.00	-0.004	640.00	0.001	400.00	-0.001
870.00	0.001	630.00	0.001	390.00	0.000
860.00	0.006	620.00	0.000	380.00	0.001
850.00	0.001	610.00	0.001	370.00	0.001
840.00	-0.001	600.00	0.002	360.00	0.000
830.00	0.002	590.00	0.001	350.00	0.003
820.00	0.003	580.00	0.000	340.00	0.005
810.00	0.000	570.00	0.001	330.00	0.002
800.00	0.000	560.00	0.000	320.00	0.003
790.00	0.002	550.00	0.000	310.00	0.006
780.00	0.003	540.00	0.000	300.00	0.007
770.00	0.000	530.00	0.000	290.00	0.006
760.00	0.003	520.00	0.000	280.00	0.010
750.00	0.002	510.00	0.001	270.00	0.011
740.00	0.001	500.00	0.000	260.00	0.013
730.00	0.001	490.00	0.000	250.00	0.013
720.00	0.001	480.00	-0.001	240.00	0.014
710.00	0.001	470.00	-0.002	230.00	0.023
700.00	0.001	460.00	-0.001	220.00	0.040
690.00	0.001	450.00	-0.002	210.00	0.063
680.00	0.001	440.00	-0.002	200.00	0.076
670.00	0.001	430.00	-0.001		

**Sample Name: Sample 29 Rack 1 Tube 29**

Collection Time 10/21/2019 4:03:01 PM

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

Wavelength (nm)	Abs
898.40	0.016
895.20	0.023
893.60	0.017
890.40	0.008
886.40	0.012
877.60	0.009
875.20	0.015

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	0.027
890.00	0.001	650.00	0.004	410.00	0.032
880.00	0.001	640.00	0.004	400.00	0.038
870.00	-0.001	630.00	0.004	390.00	0.046
860.00	0.002	620.00	0.003	380.00	0.054
850.00	0.000	610.00	0.004	370.00	0.065
840.00	-0.002	600.00	0.004	360.00	0.077
830.00	0.001	590.00	0.005	350.00	0.092
820.00	0.002	580.00	0.004	340.00	0.109
810.00	0.002	570.00	0.005	330.00	0.122
800.00	0.002	560.00	0.005	320.00	0.144
790.00	0.002	550.00	0.005	310.00	0.166
780.00	0.002	540.00	0.006	300.00	0.189
770.00	0.002	530.00	0.006	290.00	0.215
760.00	0.002	520.00	0.007	280.00	0.247
750.00	0.002	510.00	0.009	270.00	0.278
740.00	0.002	500.00	0.010	260.00	0.306
730.00	0.002	490.00	0.010	250.00	0.330
720.00	0.002	480.00	0.011	240.00	0.362
710.00	0.002	470.00	0.011	230.00	0.414
700.00	0.003	460.00	0.014	220.00	0.473
690.00	0.002	450.00	0.015	210.00	0.540
680.00	0.003	440.00	0.018	200.00	0.593
670.00	0.003	430.00	0.022		

**Sample Name: Sample 30 Rack 1 Tube 30**

Collection Time 10/21/2019 4:06:14 PM

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

Wavelength (nm)	Abs
898.40	0.007
895.20	0.007
892.80	0.013
891.20	-0.001
884.00	0.012
873.60	0.004
868.00	0.006

X-Y Pairs Table  
 Data Interval 10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.022	660.00	0.000	420.00	-0.002
890.00	-0.009	650.00	0.001	410.00	-0.003
880.00	-0.002	640.00	0.000	400.00	-0.003
870.00	-0.004	630.00	0.000	390.00	-0.002

860.00	0.002	620.00	-0.001	380.00	-0.002
850.00	-0.001	610.00	-0.001	370.00	-0.002
840.00	-0.003	600.00	-0.001	360.00	-0.001
830.00	-0.001	590.00	0.000	350.00	0.001
820.00	0.000	580.00	-0.001	340.00	0.002
810.00	-0.001	570.00	0.000	330.00	0.002
800.00	0.000	560.00	-0.001	320.00	0.000
790.00	0.001	550.00	0.000	310.00	0.004
780.00	0.001	540.00	0.000	300.00	0.000
770.00	0.000	530.00	-0.001	290.00	0.001
760.00	0.001	520.00	-0.001	280.00	0.002
750.00	0.001	510.00	-0.001	270.00	0.000
740.00	0.000	500.00	-0.001	260.00	0.000
730.00	0.000	490.00	-0.001	250.00	0.001
720.00	0.001	480.00	-0.002	240.00	-0.001
710.00	0.000	470.00	-0.003	230.00	0.003
700.00	0.000	460.00	-0.002	220.00	0.003
690.00	0.000	450.00	-0.003	210.00	0.005
680.00	0.000	440.00	-0.003	200.00	0.009
670.00	0.000	430.00	-0.003		

**Sample Name: Sample 31 Rack 1 Tube 31**

Collection Time 10/21/2019 4:09:27 PM

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

Wavelength (nm)	Abs
899.20	0.006
896.80	0.002
895.20	0.001
887.20	0.011
880.80	0.010
875.20	0.009

X-Y Pairs Table  
Data Interval 10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.011	660.00	0.001	420.00	0.025
890.00	-0.002	650.00	0.002	410.00	0.030
880.00	0.008	640.00	0.001	400.00	0.034
870.00	0.000	630.00	0.002	390.00	0.043
860.00	0.002	620.00	0.001	380.00	0.050
850.00	0.000	610.00	0.002	370.00	0.059
840.00	0.000	600.00	0.002	360.00	0.069
830.00	-0.001	590.00	0.003	350.00	0.083
820.00	0.000	580.00	0.002	340.00	0.099
810.00	0.001	570.00	0.003	330.00	0.112
800.00	0.001	560.00	0.003	320.00	0.129
790.00	0.002	550.00	0.003	310.00	0.151
780.00	0.002	540.00	0.005	300.00	0.171
770.00	0.000	530.00	0.005	290.00	0.195
760.00	0.003	520.00	0.006	280.00	0.225
750.00	0.003	510.00	0.008	270.00	0.252
740.00	0.002	500.00	0.009	260.00	0.278
730.00	0.002	490.00	0.010	250.00	0.297
720.00	0.002	480.00	0.010	240.00	0.323
710.00	0.001	470.00	0.010	230.00	0.372
700.00	0.001	460.00	0.013	220.00	0.421
690.00	0.001	450.00	0.015	210.00	0.477
680.00	0.001	440.00	0.018	200.00	0.516
670.00	0.001	430.00	0.021		

**Sample Name: Sample 32 Rack 1 Tube 32**

Collection Time 10/21/2019 4:12:39 PM

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

Wavelength (nm)	Abs
899.20	0.008
892.80	0.007
887.20	0.009
877.60	0.007
875.20	0.008

## X-Y Pairs Table

Data Interval 10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.018	660.00	0.001	420.00	0.002
890.00	-0.007	650.00	0.000	410.00	0.002
880.00	0.001	640.00	0.000	400.00	0.002
870.00	0.000	630.00	0.000	390.00	0.003
860.00	0.004	620.00	0.000	380.00	0.004
850.00	0.000	610.00	0.000	370.00	0.005
840.00	0.000	600.00	0.000	360.00	0.005
830.00	0.001	590.00	0.001	350.00	0.012
820.00	0.001	580.00	0.000	340.00	0.012
810.00	0.002	570.00	0.001	330.00	0.011
800.00	0.000	560.00	0.000	320.00	0.016
790.00	0.003	550.00	0.000	310.00	0.020
780.00	0.003	540.00	0.000	300.00	0.021
770.00	0.001	530.00	0.000	290.00	0.025
760.00	0.003	520.00	0.001	280.00	0.033
750.00	0.002	510.00	0.001	270.00	0.037
740.00	0.002	500.00	0.001	260.00	0.042
730.00	0.000	490.00	0.001	250.00	0.047
720.00	0.001	480.00	0.001	240.00	0.052
710.00	0.001	470.00	0.000	230.00	0.062
700.00	0.000	460.00	0.000	220.00	0.075
690.00	0.000	450.00	0.001	210.00	0.091
680.00	0.001	440.00	0.001	200.00	0.111
670.00	0.001	430.00	0.002		

**Sample Name: Sample 33 Rack 1 Tube 33**

Collection Time 10/21/2019 4:15:51 PM

## Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm)	Abs
895.20	0.005
893.60	0.004
891.20	0.006
885.60	0.011
884.00	0.010
877.60	0.012
875.20	0.009

## X-Y Pairs Table

Data Interval 10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	0.018	660.00	0.001	420.00	0.001
890.00	-0.005	650.00	0.001	410.00	0.001
880.00	0.001	640.00	0.001	400.00	0.001
870.00	0.003	630.00	0.001	390.00	0.004
860.00	0.004	620.00	0.001	380.00	0.004
850.00	0.000	610.00	0.001	370.00	0.006
840.00	-0.002	600.00	0.000	360.00	0.008
830.00	-0.001	590.00	0.000	350.00	0.011
820.00	0.001	580.00	0.000	340.00	0.015
810.00	0.000	570.00	0.000	330.00	0.016
800.00	-0.001	560.00	-0.001	320.00	0.023
790.00	0.000	550.00	0.000	310.00	0.025
780.00	0.001	540.00	0.000	300.00	0.028
770.00	0.000	530.00	0.001	290.00	0.036
760.00	0.001	520.00	0.001	280.00	0.045
750.00	0.001	510.00	0.001	270.00	0.051

740.00	0.000	500.00	0.001	260.00	0.058
730.00	0.000	490.00	0.001	250.00	0.065
720.00	0.000	480.00	0.000	240.00	0.073
710.00	0.000	470.00	-0.001	230.00	0.087
700.00	0.000	460.00	0.000	220.00	0.105
690.00	0.000	450.00	0.000	210.00	0.131
680.00	0.001	440.00	0.000	200.00	0.179
670.00	0.001	430.00	0.000		

**Sample Name: Sample 34 Rack 1 Tube 34**

Collection Time 10/21/2019 4:19:02 PM

## Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm)	Abs
898.40	0.009
893.60	0.015
887.20	0.013
884.00	0.014
880.80	0.009

## X-Y Pairs Table

Data Interval

10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.010	660.00	0.000	420.00	0.000
890.00	0.000	650.00	0.001	410.00	-0.001
880.00	-0.001	640.00	0.000	400.00	0.000
870.00	-0.003	630.00	0.000	390.00	0.001
860.00	0.004	620.00	-0.001	380.00	0.001
850.00	-0.002	610.00	0.000	370.00	0.001
840.00	0.000	600.00	0.000	360.00	0.004
830.00	0.001	590.00	0.000	350.00	0.004
820.00	0.001	580.00	-0.001	340.00	0.011
810.00	0.000	570.00	0.000	330.00	0.007
800.00	0.000	560.00	0.000	320.00	0.009
790.00	0.000	550.00	-0.001	310.00	0.015
780.00	0.002	540.00	-0.001	300.00	0.016
770.00	0.000	530.00	0.001	290.00	0.016
760.00	0.002	520.00	0.001	280.00	0.018
750.00	0.001	510.00	0.001	270.00	0.019
740.00	0.000	500.00	0.000	260.00	0.024
730.00	-0.001	490.00	0.000	250.00	0.023
720.00	-0.001	480.00	-0.001	240.00	0.027
710.00	-0.001	470.00	-0.003	230.00	0.033
700.00	-0.001	460.00	-0.002	220.00	0.041
690.00	0.000	450.00	-0.002	210.00	0.050
680.00	0.000	440.00	-0.002	200.00	0.060
670.00	0.001	430.00	-0.001		

**Sample Name: Sample 35 Rack 1 Tube 35**

Collection Time 10/21/2019 4:22:14 PM

## Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm)	Abs
898.40	0.015
896.80	-0.005
895.20	0.015
893.60	0.016
891.20	0.009
888.80	0.016
887.20	0.020
879.20	0.011

## X-Y Pairs Table

Data Interval 10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.005	660.00	0.002	420.00	0.012
890.00	-0.001	650.00	0.002	410.00	0.015
880.00	0.001	640.00	0.002	400.00	0.019
870.00	0.000	630.00	0.002	390.00	0.024
860.00	0.003	620.00	0.001	380.00	0.029
850.00	0.000	610.00	0.002	370.00	0.034
840.00	0.000	600.00	0.002	360.00	0.043
830.00	0.001	590.00	0.001	350.00	0.051
820.00	0.001	580.00	0.000	340.00	0.062
810.00	0.002	570.00	0.001	330.00	0.070
800.00	0.004	560.00	0.000	320.00	0.084
790.00	0.002	550.00	0.002	310.00	0.093
780.00	0.003	540.00	0.002	300.00	0.104
770.00	0.001	530.00	0.002	290.00	0.121
760.00	0.003	520.00	0.003	280.00	0.139
750.00	0.002	510.00	0.004	270.00	0.156
740.00	0.003	500.00	0.003	260.00	0.171
730.00	0.002	490.00	0.004	250.00	0.182
720.00	0.001	480.00	0.004	240.00	0.199
710.00	0.001	470.00	0.004	230.00	0.226
700.00	0.001	460.00	0.005	220.00	0.259
690.00	0.001	450.00	0.006	210.00	0.295
680.00	0.001	440.00	0.008	200.00	0.325
670.00	0.001	430.00	0.010		

**Sample Name: Sample 36 Rack 1 Tube 36**

Collection Time 10/21/2019 4:25:27 PM

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

Wavelength (nm)	Abs
893.60	0.014
891.20	0.008
888.80	0.015
887.20	0.010
884.00	0.010
877.60	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	0.000	420.00	-0.003
890.00	-0.007	650.00	0.000	410.00	-0.003
880.00	0.003	640.00	-0.001	400.00	-0.003
870.00	-0.002	630.00	-0.001	390.00	-0.003
860.00	0.003	620.00	-0.001	380.00	-0.003
850.00	0.001	610.00	-0.001	370.00	-0.002
840.00	0.000	600.00	0.000	360.00	-0.002
830.00	0.001	590.00	-0.001	350.00	-0.001
820.00	0.001	580.00	-0.001	340.00	-0.001
810.00	0.000	570.00	-0.001	330.00	0.003
800.00	-0.001	560.00	-0.001	320.00	0.006
790.00	0.000	550.00	-0.001	310.00	0.008
780.00	0.002	540.00	-0.002	300.00	0.008
770.00	-0.001	530.00	-0.001	290.00	0.009
760.00	0.000	520.00	-0.001	280.00	0.013
750.00	0.000	510.00	-0.001	270.00	0.011
740.00	0.000	500.00	-0.001	260.00	0.015
730.00	0.000	490.00	-0.002	250.00	0.012
720.00	-0.001	480.00	-0.002	240.00	0.012
710.00	-0.001	470.00	-0.003	230.00	0.020
700.00	-0.001	460.00	-0.002	220.00	0.036
690.00	-0.001	450.00	-0.003	210.00	0.062
680.00	-0.001	440.00	-0.003	200.00	0.077
670.00	0.000	430.00	-0.003		



**Sample Name: Sample 37 Rack 1 Tube 37**

Collection Time 10/21/2019 4:28:39 PM

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

Wavelength (nm)	Abs
899.20	0.011
895.20	0.023
893.60	0.022
891.20	0.010
884.00	0.012
877.60	0.010

## X-Y Pairs Table

Data Interval 10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.004	660.00	0.003	420.00	0.013
890.00	0.000	650.00	0.003	410.00	0.015
880.00	-0.001	640.00	0.003	400.00	0.017
870.00	-0.001	630.00	0.003	390.00	0.022
860.00	0.002	620.00	0.002	380.00	0.027
850.00	0.000	610.00	0.002	370.00	0.032
840.00	-0.001	600.00	0.003	360.00	0.038
830.00	0.001	590.00	0.003	350.00	0.045
820.00	0.003	580.00	0.002	340.00	0.055
810.00	0.002	570.00	0.003	330.00	0.065
800.00	0.002	560.00	0.003	320.00	0.074
790.00	0.002	550.00	0.003	310.00	0.088
780.00	0.003	540.00	0.003	300.00	0.098
770.00	0.001	530.00	0.004	290.00	0.112
760.00	0.002	520.00	0.004	280.00	0.126
750.00	0.003	510.00	0.005	270.00	0.142
740.00	0.002	500.00	0.005	260.00	0.156
730.00	0.003	490.00	0.005	250.00	0.168
720.00	0.003	480.00	0.005	240.00	0.187
710.00	0.002	470.00	0.005	230.00	0.214
700.00	0.002	460.00	0.006	220.00	0.242
690.00	0.002	450.00	0.007	210.00	0.277
680.00	0.003	440.00	0.008	200.00	0.312
670.00	0.003	430.00	0.009		

**Sample Name: Sample 38 Rack 1 Tube 38**

Collection Time 10/21/2019 4:31:51 PM

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

Wavelength (nm)	Abs
896.80	0.008
893.60	0.011
890.40	0.010
886.40	0.009
880.80	0.008
877.60	0.009

## X-Y Pairs Table

Data Interval 10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	0.003	660.00	0.001	420.00	0.006
890.00	0.004	650.00	0.001	410.00	0.008
880.00	-0.007	640.00	0.001	400.00	0.010
870.00	-0.001	630.00	0.001	390.00	0.015
860.00	0.002	620.00	0.001	380.00	0.017
850.00	0.001	610.00	0.002	370.00	0.022
840.00	-0.002	600.00	0.002	360.00	0.027

830.00	0.001	590.00	0.002	350.00	0.030
820.00	0.002	580.00	0.001	340.00	0.040
810.00	0.002	570.00	0.002	330.00	0.046
800.00	0.000	560.00	0.001	320.00	0.054
790.00	0.001	550.00	0.002	310.00	0.064
780.00	0.003	540.00	0.002	300.00	0.069
770.00	0.000	530.00	0.002	290.00	0.078
760.00	0.002	520.00	0.002	280.00	0.091
750.00	0.001	510.00	0.002	270.00	0.101
740.00	0.002	500.00	0.002	260.00	0.112
730.00	0.001	490.00	0.002	250.00	0.118
720.00	0.001	480.00	0.001	240.00	0.129
710.00	0.000	470.00	0.001	230.00	0.148
700.00	-0.001	460.00	0.001	220.00	0.166
690.00	0.000	450.00	0.002	210.00	0.196
680.00	0.000	440.00	0.003	200.00	0.220
670.00	0.001	430.00	0.005		

**Sample Name: Sample 39 Rack 1 Tube 39**

Collection Time 10/21/2019 4:35:03 PM

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

Wavelength (nm)	Abs
892.80	0.021
891.20	0.008
888.80	0.010
879.20	0.009
875.20	0.010

## X-Y Pairs Table

Data Interval 10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	0.009	660.00	0.001	420.00	0.001
890.00	-0.002	650.00	0.002	410.00	0.001
880.00	0.003	640.00	0.001	400.00	0.002
870.00	-0.001	630.00	0.001	390.00	0.005
860.00	0.001	620.00	0.000	380.00	0.006
850.00	0.000	610.00	0.000	370.00	0.007
840.00	0.001	600.00	0.001	360.00	0.011
830.00	0.001	590.00	0.001	350.00	0.015
820.00	0.000	580.00	0.001	340.00	0.018
810.00	0.001	570.00	0.000	330.00	0.023
800.00	0.001	560.00	0.000	320.00	0.030
790.00	0.001	550.00	0.000	310.00	0.038
780.00	0.002	540.00	0.000	300.00	0.043
770.00	0.001	530.00	0.000	290.00	0.054
760.00	0.002	520.00	0.001	280.00	0.070
750.00	0.002	510.00	0.001	270.00	0.081
740.00	0.001	500.00	0.001	260.00	0.093
730.00	0.001	490.00	0.000	250.00	0.102
720.00	0.002	480.00	0.000	240.00	0.111
710.00	0.001	470.00	-0.001	230.00	0.135
700.00	0.001	460.00	-0.001	220.00	0.163
690.00	0.002	450.00	-0.001	210.00	0.199
680.00	0.002	440.00	0.000	200.00	0.264
670.00	0.002	430.00	0.000		

**Sample Name: Sample 40 Rack 1 Tube 40**

Collection Time 10/21/2019 4:38:16 PM

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

Wavelength (nm)	Abs
893.60	0.018

887.20	0.014
880.00	0.007
877.60	0.008

X-Y Pairs Table  
Data Interval

10.00

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

**Sample Name: Sample 41 Rack 1 Tube 41**

Collection Time 10/21/2019 4:41:28 PM

Peak Table  
Peak Style  
Peak Threshold  
Range

Peaks  
0.0100  
900.00nm to 200.00nm

Wavelength (nm)	Abs
898.40	0.023
893.60	0.020
887.20	0.014
877.60	0.010

X-Y Pairs Table  
Data Interval

10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.013	660.00	0.001	420.00	-0.002
890.00	0.005	650.00	0.000	410.00	-0.001
880.00	-0.002	640.00	0.000	400.00	-0.001
870.00	0.001	630.00	0.000	390.00	0.001
860.00	0.001	620.00	-0.001	380.00	0.001
850.00	0.000	610.00	0.000	370.00	0.003
840.00	-0.001	600.00	0.000	360.00	0.005
830.00	-0.001	590.00	0.000	350.00	0.008
820.00	0.001	580.00	-0.001	340.00	0.009
810.00	0.000	570.00	0.000	330.00	0.012
800.00	0.000	560.00	-0.001	320.00	0.016
790.00	0.001	550.00	0.000	310.00	0.022
780.00	0.001	540.00	0.000	300.00	0.021
770.00	0.000	530.00	0.000	290.00	0.028
760.00	0.002	520.00	0.000	280.00	0.037
750.00	0.001	510.00	0.000	270.00	0.040
740.00	0.000	500.00	0.000	260.00	0.045
730.00	0.001	490.00	0.000	250.00	0.047
720.00	0.001	480.00	-0.001	240.00	0.051
710.00	0.000	470.00	-0.002	230.00	0.062
700.00	0.001	460.00	-0.001	220.00	0.074
690.00	0.001	450.00	-0.002	210.00	0.086
680.00	0.001	440.00	-0.002	200.00	0.112
670.00	0.001	430.00	-0.002		

**Sample Name: Sample 42 Rack 1 Tube 42**

Collection Time 10/21/2019 4:44:40 PM

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

Wavelength (nm)	Abs
898.40	0.021
895.20	0.015
893.60	0.009
891.20	0.010
887.20	0.006
877.60	0.010

X-Y Pairs Table  
 Data Interval 10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	0.013	660.00	0.002	420.00	0.002
890.00	-0.003	650.00	0.002	410.00	0.002
880.00	0.001	640.00	0.002	400.00	0.003
870.00	-0.001	630.00	0.001	390.00	0.004
860.00	0.008	620.00	0.001	380.00	0.005
850.00	0.002	610.00	0.001	370.00	0.008
840.00	0.001	600.00	0.002	360.00	0.012
830.00	0.001	590.00	0.002	350.00	0.014
820.00	0.003	580.00	0.002	340.00	0.017
810.00	0.002	570.00	0.002	330.00	0.024
800.00	0.002	560.00	0.002	320.00	0.030
790.00	0.002	550.00	0.002	310.00	0.035
780.00	0.003	540.00	0.002	300.00	0.039
770.00	0.002	530.00	0.002	290.00	0.046
760.00	0.004	520.00	0.001	280.00	0.058
750.00	0.003	510.00	0.002	270.00	0.062
740.00	0.003	500.00	0.002	260.00	0.068
730.00	0.003	490.00	0.001	250.00	0.071
720.00	0.003	480.00	0.001	240.00	0.077
710.00	0.002	470.00	0.000	230.00	0.089
700.00	0.001	460.00	0.000	220.00	0.107
690.00	0.002	450.00	0.000	210.00	0.134
680.00	0.002	440.00	0.001	200.00	0.177
670.00	0.003	430.00	0.001		

**Sample Name: Sample 43 Rack 1 Tube 43**

Collection Time 10/21/2019 4:47:52 PM

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

Wavelength (nm)	Abs
899.20	0.012
896.80	0.015
895.20	0.020
893.60	0.010
891.20	0.012
888.80	0.012
887.20	0.013
875.20	0.008

X-Y Pairs Table  
 Data Interval 10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.009	660.00	-0.001	420.00	0.000
890.00	-0.001	650.00	0.000	410.00	0.000
880.00	0.001	640.00	-0.001	400.00	0.001

870.00	-0.004	630.00	-0.002	390.00	0.003
860.00	0.006	620.00	-0.001	380.00	0.005
850.00	-0.001	610.00	-0.001	370.00	0.006
840.00	0.000	600.00	-0.001	360.00	0.006
830.00	0.001	590.00	-0.001	350.00	0.008
820.00	0.002	580.00	-0.002	340.00	0.014
810.00	0.001	570.00	-0.001	330.00	0.015
800.00	0.000	560.00	-0.001	320.00	0.018
790.00	0.002	550.00	-0.002	310.00	0.023
780.00	0.002	540.00	-0.001	300.00	0.025
770.00	0.000	530.00	-0.002	290.00	0.031
760.00	0.000	520.00	-0.002	280.00	0.036
750.00	0.000	510.00	-0.002	270.00	0.043
740.00	0.000	500.00	-0.002	260.00	0.047
730.00	-0.001	490.00	-0.002	250.00	0.052
720.00	-0.001	480.00	-0.003	240.00	0.055
710.00	-0.001	470.00	-0.003	230.00	0.066
700.00	-0.002	460.00	-0.003	220.00	0.078
690.00	-0.001	450.00	-0.002	210.00	0.095
680.00	-0.002	440.00	-0.001	200.00	0.130
670.00	-0.001	430.00	-0.001		

**Sample Name: Sample 44 Rack 1 Tube 44**

Collection Time 10/21/2019 4:51:05 PM

## Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm) Abs

898.40	0.014
893.60	0.013
887.20	0.015
884.00	0.012
879.20	0.009
875.20	0.006
860.00	0.006
288.80	0.008

## X-Y Pairs Table

Data Interval

10.00

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

**Sample Name: Sample 45 Rack 1 Tube 45**

Collection Time 10/21/2019 4:54:18 PM

## Peak Table

Peak Style  
 Peak Threshold  
 Range

Peaks  
 0.0100  
 900.00nm to 200.00nm

Wavelength (nm)	Abs
899.20	0.013
896.80	0.012
895.20	0.018
887.20	0.019
884.00	0.011
880.80	0.009
870.40	0.006

## X-Y Pairs Table

Data Interval 10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.004	660.00	0.002	420.00	0.004
890.00	0.007	650.00	0.002	410.00	0.006
880.00	-0.001	640.00	0.002	400.00	0.007
870.00	0.003	630.00	0.002	390.00	0.011
860.00	0.002	620.00	0.001	380.00	0.013
850.00	0.000	610.00	0.002	370.00	0.016
840.00	0.001	600.00	0.002	360.00	0.021
830.00	0.003	590.00	0.002	350.00	0.026
820.00	0.003	580.00	0.001	340.00	0.029
810.00	0.002	570.00	0.002	330.00	0.036
800.00	0.002	560.00	0.002	320.00	0.045
790.00	0.002	550.00	0.002	310.00	0.051
780.00	0.003	540.00	0.002	300.00	0.055
770.00	0.003	530.00	0.002	290.00	0.064
760.00	0.003	520.00	0.002	280.00	0.074
750.00	0.002	510.00	0.003	270.00	0.083
740.00	0.002	500.00	0.002	260.00	0.095
730.00	0.002	490.00	0.002	250.00	0.101
720.00	0.002	480.00	0.001	240.00	0.110
710.00	0.002	470.00	0.001	230.00	0.126
700.00	0.000	460.00	0.002	220.00	0.143
690.00	0.001	450.00	0.002	210.00	0.167
680.00	0.001	440.00	0.003	200.00	0.200
670.00	0.001	430.00	0.004		

**Sample Name: Sample 46 Rack 1 Tube 46**

Collection Time 10/21/2019 4:57:30 PM

Peak Table  
 Peak Style  
 Peak Threshold  
 Range

Peaks  
 0.0100  
 900.00nm to 200.00nm

Wavelength (nm)	Abs
896.80	0.026
895.20	0.024
893.60	0.027
891.20	0.016
888.80	0.013
887.20	0.017
875.20	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	0.001	420.00	0.000
890.00	-0.001	650.00	0.001	410.00	0.000
880.00	0.004	640.00	0.001	400.00	0.001
870.00	-0.002	630.00	0.001	390.00	0.002
860.00	0.006	620.00	0.001	380.00	0.003
850.00	0.001	610.00	0.001	370.00	0.004
840.00	0.001	600.00	0.001	360.00	0.006
830.00	0.002	590.00	0.002	350.00	0.007
820.00	0.005	580.00	0.001	340.00	0.010
810.00	0.002	570.00	0.001	330.00	0.012
800.00	0.002	560.00	0.000	320.00	0.016

790.00	0.003	550.00	0.000	310.00	0.021
780.00	0.001	540.00	0.000	300.00	0.020
770.00	0.001	530.00	0.001	290.00	0.025
760.00	0.004	520.00	0.001	280.00	0.031
750.00	0.003	510.00	0.001	270.00	0.037
740.00	0.002	500.00	0.000	260.00	0.041
730.00	0.002	490.00	0.000	250.00	0.044
720.00	0.002	480.00	0.000	240.00	0.047
710.00	0.002	470.00	-0.001	230.00	0.055
700.00	0.002	460.00	0.000	220.00	0.064
690.00	0.002	450.00	-0.001	210.00	0.078
680.00	0.003	440.00	0.000	200.00	0.099
670.00	0.002	430.00	0.000		

**Sample Name: Sample 47 Rack 1 Tube 47**

Collection Time 10/21/2019 5:00:42 PM

## Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm) Abs

899.20	0.009
896.80	0.011
895.20	0.007
893.60	0.016
887.20	0.013
877.60	0.009
875.20	0.012
860.00	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	0.002	420.00	-0.001
890.00	-0.005	650.00	0.002	410.00	-0.002
880.00	0.001	640.00	0.001	400.00	-0.001
870.00	0.000	630.00	0.001	390.00	0.000
860.00	0.007	620.00	0.000	380.00	-0.001
850.00	0.001	610.00	0.001	370.00	-0.001
840.00	0.001	600.00	0.001	360.00	-0.001
830.00	0.001	590.00	0.001	350.00	0.001
820.00	0.000	580.00	0.000	340.00	0.002
810.00	0.002	570.00	0.000	330.00	0.002
800.00	0.002	560.00	0.000	320.00	0.001
790.00	0.002	550.00	0.000	310.00	0.006
780.00	0.003	540.00	0.000	300.00	0.005
770.00	0.002	530.00	-0.001	290.00	0.004
760.00	0.003	520.00	-0.001	280.00	0.008
750.00	0.003	510.00	-0.001	270.00	0.007
740.00	0.001	500.00	-0.001	260.00	0.008
730.00	0.002	490.00	-0.001	250.00	0.010
720.00	0.001	480.00	-0.002	240.00	0.011
710.00	0.002	470.00	-0.003	230.00	0.015
700.00	0.001	460.00	-0.003	220.00	0.018
690.00	0.001	450.00	-0.003	210.00	0.021
680.00	0.002	440.00	-0.002	200.00	0.031
670.00	0.002	430.00	-0.002		

**Sample Name: Sample 48 Rack 1 Tube 48**

Collection Time 10/21/2019 5:03:53 PM

## Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm) Abs

899.20	0.008
897.60	0.007

893.60	0.014
887.20	0.018
875.20	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	0.003	420.00	-0.001
890.00	-0.002	650.00	0.003	410.00	-0.002
880.00	-0.003	640.00	0.003	400.00	-0.002
870.00	0.000	630.00	0.003	390.00	-0.001
860.00	0.005	620.00	0.001	380.00	-0.002
850.00	0.000	610.00	0.002	370.00	-0.003
840.00	0.001	600.00	0.002	360.00	-0.002
830.00	0.000	590.00	0.002	350.00	-0.003
820.00	0.002	580.00	0.001	340.00	-0.001
810.00	0.001	570.00	0.001	330.00	-0.002
800.00	0.002	560.00	0.001	320.00	-0.002
790.00	0.003	550.00	0.000	310.00	0.000
780.00	0.003	540.00	0.001	300.00	-0.001
770.00	0.001	530.00	0.000	290.00	-0.001
760.00	0.004	520.00	-0.001	280.00	0.001
750.00	0.003	510.00	0.000	270.00	-0.002
740.00	0.003	500.00	-0.001	260.00	-0.002
730.00	0.003	490.00	-0.001	250.00	-0.001
720.00	0.003	480.00	-0.002	240.00	0.000
710.00	0.003	470.00	-0.003	230.00	0.003
700.00	0.003	460.00	-0.003	220.00	0.003
690.00	0.002	450.00	-0.003	210.00	0.009
680.00	0.003	440.00	-0.001	200.00	0.018
670.00	0.003	430.00	-0.001		

**Sample Name: Sample 49 Rack 1 Tube 49**

Collection Time 10/21/2019 5:07:04 PM

## Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm)	Abs
898.40	0.018
893.60	0.023
888.80	0.017
887.20	0.014
877.60	0.006
792.80	0.005

## X-Y Pairs Table

Data Interval 10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.024	660.00	0.001	420.00	-0.003
890.00	-0.008	650.00	0.001	410.00	-0.003
880.00	-0.001	640.00	0.001	400.00	-0.004
870.00	0.000	630.00	0.000	390.00	-0.003
860.00	0.002	620.00	0.000	380.00	-0.003
850.00	0.000	610.00	0.001	370.00	-0.003
840.00	0.001	600.00	0.000	360.00	-0.001
830.00	0.002	590.00	0.000	350.00	-0.001
820.00	0.002	580.00	0.000	340.00	-0.002
810.00	0.002	570.00	0.000	330.00	0.002
800.00	0.002	560.00	0.000	320.00	0.005
790.00	0.003	550.00	-0.001	310.00	0.005
780.00	0.004	540.00	0.000	300.00	0.005
770.00	0.002	530.00	-0.001	290.00	0.004
760.00	0.003	520.00	-0.001	280.00	0.008
750.00	0.003	510.00	0.000	270.00	0.008
740.00	0.003	500.00	0.000	260.00	0.011
730.00	0.001	490.00	-0.001	250.00	0.011
720.00	0.001	480.00	-0.002	240.00	0.010
710.00	0.001	470.00	-0.003	230.00	0.014
700.00	0.001	460.00	-0.002	220.00	0.014
690.00	0.001	450.00	-0.003	210.00	0.016



680.00	0.001	440.00	-0.003	200.00	0.026
670.00	0.001	430.00	-0.003		

**Sample Name: Sample 50 Rack 1 Tube 50**

Collection Time 10/21/2019 5:10:16 PM

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

Wavelength (nm)	Abs
899.20	0.004
895.20	0.005
893.60	0.014
890.40	0.018
888.80	0.010
886.40	0.008
877.60	0.014
875.20	0.007
864.00	0.006

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

**Sample Name: Sample 51 Rack 1 Tube 51**

Collection Time 10/21/2019 5:13:29 PM

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

Wavelength (nm)	Abs
898.40	0.011
893.60	0.014
888.80	0.011
884.00	0.007
875.20	0.010

X-Y Pairs Table  
 Data Interval 10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.006	660.00	0.001	420.00	-0.004

890.00	-0.004	650.00	0.001	410.00	-0.004
880.00	-0.004	640.00	-0.001	400.00	-0.004
870.00	-0.002	630.00	-0.001	390.00	-0.003
860.00	0.005	620.00	-0.001	380.00	-0.003
850.00	0.000	610.00	-0.001	370.00	-0.003
840.00	0.000	600.00	0.000	360.00	-0.002
830.00	0.001	590.00	0.000	350.00	-0.003
820.00	0.001	580.00	0.000	340.00	0.001
810.00	0.000	570.00	0.000	330.00	-0.002
800.00	0.000	560.00	0.000	320.00	0.002
790.00	0.002	550.00	0.000	310.00	0.003
780.00	0.003	540.00	0.000	300.00	0.002
770.00	0.000	530.00	0.000	290.00	0.003
760.00	0.001	520.00	-0.001	280.00	0.005
750.00	0.000	510.00	-0.001	270.00	0.004
740.00	0.000	500.00	-0.002	260.00	0.003
730.00	0.000	490.00	-0.002	250.00	0.006
720.00	0.001	480.00	-0.003	240.00	0.003
710.00	0.000	470.00	-0.005	230.00	0.006
700.00	0.000	460.00	-0.004	220.00	0.009
690.00	0.001	450.00	-0.005	210.00	0.011
680.00	0.002	440.00	-0.004	200.00	0.016
670.00	0.001	430.00	-0.004		

**Sample Name: Sample 52 Rack 1 Tube 52**

Collection Time 10/21/2019 5:16:40 PM

## Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm)	Abs
898.40	0.010
893.60	0.009
891.20	0.003
887.20	0.018
884.00	0.009
880.00	0.009
877.60	0.010
875.20	0.009

## X-Y Pairs Table

Data Interval

10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.007	660.00	0.000	420.00	-0.002
890.00	-0.010	650.00	0.000	410.00	-0.002
880.00	0.009	640.00	0.001	400.00	-0.002
870.00	-0.002	630.00	0.000	390.00	0.000
860.00	0.001	620.00	0.000	380.00	0.000
850.00	0.000	610.00	-0.001	370.00	0.001
840.00	-0.001	600.00	0.000	360.00	0.002
830.00	0.001	590.00	0.001	350.00	0.002
820.00	0.002	580.00	0.000	340.00	0.007
810.00	0.002	570.00	0.000	330.00	0.010
800.00	0.001	560.00	0.000	320.00	0.010
790.00	0.002	550.00	0.000	310.00	0.014
780.00	0.003	540.00	0.001	300.00	0.015
770.00	0.000	530.00	-0.001	290.00	0.015
760.00	0.002	520.00	-0.001	280.00	0.019
750.00	0.002	510.00	-0.001	270.00	0.019
740.00	0.001	500.00	-0.001	260.00	0.024
730.00	0.001	490.00	-0.002	250.00	0.023
720.00	0.001	480.00	-0.002	240.00	0.025
710.00	0.000	470.00	-0.002	230.00	0.034
700.00	0.000	460.00	-0.002	220.00	0.040
690.00	0.000	450.00	-0.003	210.00	0.047
680.00	0.000	440.00	-0.002	200.00	0.056
670.00	0.000	430.00	-0.002		

**Sample Name: Sample 53 Rack 1 Tube 53**

Collection Time 10/21/2019 5:19:53 PM

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

Wavelength (nm)	Abs
899.20	0.018
895.20	0.011
887.20	0.013
875.20	0.009
860.00	0.005

X-Y Pairs Table  
 Data Interval 10.00

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

### Sample Name: Sample 54 Rack 1 Tube 54

Collection Time 10/21/2019 5:23:06 PM

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

Wavelength (nm)	Abs
895.20	0.014
893.60	0.005
890.40	0.006
887.20	0.016
884.00	0.005
880.80	0.008
877.60	0.010

X-Y Pairs Table  
 Data Interval 10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.009	660.00	0.001	420.00	-0.002
890.00	-0.001	650.00	0.002	410.00	-0.003
880.00	-0.002	640.00	0.002	400.00	-0.003
870.00	-0.002	630.00	0.002	390.00	-0.003
860.00	0.003	620.00	0.000	380.00	-0.002
850.00	-0.003	610.00	0.001	370.00	-0.002
840.00	0.001	600.00	0.001	360.00	-0.002
830.00	0.004	590.00	0.001	350.00	0.000
820.00	0.003	580.00	0.001	340.00	0.003
810.00	0.002	570.00	0.001	330.00	0.004
800.00	0.001	560.00	0.000	320.00	0.006

790.00	0.003	550.00	0.001	310.00	0.008
780.00	0.001	540.00	0.002	300.00	0.005
770.00	0.002	530.00	0.000	290.00	0.007
760.00	0.003	520.00	-0.001	280.00	0.006
750.00	0.002	510.00	-0.001	270.00	0.005
740.00	0.001	500.00	-0.002	260.00	0.007
730.00	0.001	490.00	-0.002	250.00	0.006
720.00	0.001	480.00	-0.003	240.00	0.006
710.00	0.001	470.00	-0.003	230.00	0.009
700.00	0.001	460.00	-0.003	220.00	0.015
690.00	0.001	450.00	-0.003	210.00	0.019
680.00	0.001	440.00	-0.002	200.00	0.029
670.00	0.001	430.00	-0.002		

**Sample Name: Sample 55 Rack 1 Tube 55**

Collection Time 10/21/2019 5:26:19 PM

## Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm)	Abs
899.20	0.006
895.20	0.016
893.60	0.007
888.80	0.006
887.20	0.008
884.00	0.011
876.00	0.007
847.20	0.006

## 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	-0.001	650.00	0.004	410.00	-0.003
880.00	-0.003	640.00	0.003	400.00	-0.002
870.00	-0.003	630.00	0.003	390.00	-0.002
860.00	0.004	620.00	0.003	380.00	-0.002
850.00	0.001	610.00	0.002	370.00	-0.001
840.00	-0.001	600.00	0.003	360.00	-0.002
830.00	0.001	590.00	0.003	350.00	-0.002
820.00	0.002	580.00	0.002	340.00	0.005
810.00	0.000	570.00	0.002	330.00	0.003
800.00	0.002	560.00	0.001	320.00	0.006
790.00	0.001	550.00	0.001	310.00	0.008
780.00	0.002	540.00	0.002	300.00	0.005
770.00	0.002	530.00	0.001	290.00	0.005
760.00	0.004	520.00	0.001	280.00	0.006
750.00	0.003	510.00	0.001	270.00	0.007
740.00	0.004	500.00	0.000	260.00	0.011
730.00	0.004	490.00	0.000	250.00	0.010
720.00	0.004	480.00	-0.001	240.00	0.008
710.00	0.004	470.00	-0.002	230.00	0.011
700.00	0.004	460.00	-0.002	220.00	0.015
690.00	0.003	450.00	-0.002	210.00	0.021
680.00	0.003	440.00	-0.001	200.00	0.029
670.00	0.004	430.00	-0.001		

**Sample Name: Sample 56 Rack 1 Tube 56**

Collection Time 10/21/2019 5:29:30 PM

## Peak Table

Peak Style

Peak Threshold

Range

Peaks

0.0100

900.00nm to 200.00nm

Wavelength (nm)	Abs
899.20	0.027
892.80	0.007

890.40	0.004
888.80	0.013
887.20	0.015
884.00	0.010
875.20	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	0.002	420.00	-0.001
890.00	-0.001	650.00	0.002	410.00	-0.001
880.00	0.005	640.00	0.001	400.00	-0.002
870.00	-0.003	630.00	0.001	390.00	-0.001
860.00	0.000	620.00	0.000	380.00	-0.002
850.00	0.000	610.00	0.001	370.00	-0.002
840.00	-0.001	600.00	0.001	360.00	-0.002
830.00	0.000	590.00	0.001	350.00	-0.003
820.00	0.001	580.00	0.000	340.00	-0.001
810.00	0.001	570.00	0.000	330.00	0.001
800.00	0.000	560.00	0.000	320.00	0.001
790.00	0.002	550.00	-0.001	310.00	0.000
780.00	0.003	540.00	0.000	300.00	0.000
770.00	0.002	530.00	-0.001	290.00	0.000
760.00	0.002	520.00	-0.001	280.00	0.002
750.00	0.003	510.00	-0.001	270.00	0.000
740.00	0.002	500.00	-0.002	260.00	0.001
730.00	0.001	490.00	-0.002	250.00	0.001
720.00	0.002	480.00	-0.003	240.00	0.000
710.00	0.001	470.00	-0.004	230.00	0.002
700.00	0.002	460.00	-0.003	220.00	0.001
690.00	0.001	450.00	-0.003	210.00	0.000
680.00	0.002	440.00	-0.002	200.00	0.003
670.00	0.002	430.00	-0.001		