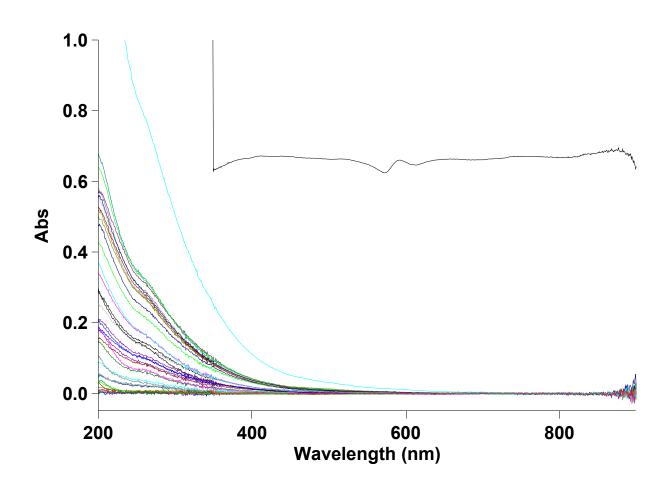
NIVA



Scan Analysis Report

Report Time: Tue 22 Oct 01:54:40 PM 2019
Method: H:\1000 sjøer UV-spek\UV-scan MED SAMPLER 1000 sjoer.MSW
Batch: H:\1000 sjøer UV-spek\191022\191022_run.DSW Software version: 4.20(468) Operator: SIJ

Zero Report

Abs(900.00) Read Zero 0.6515

Sample Name: Baseline 100%T Collection Time

Peak Table Peak Style Peak Threshold

Peaks 0.0100

900.00nm to 200.00nm

Wavelength (nm) Abs 876.80 0.695 592.80 0.660 437.60 0.672

Page 2 of 25 10/23/2019 8:24:19 AM

X-Y Pairs Table Data Interval

10.00

Wavelength	(nm)	Abs	Wavelength	(nm)	Abs	Wavelength	(nm)	Abs
900.00		0.642	660.00		0.663	420.00		0.671
890.00		0.675	650.00		0.663	410.00		0.672
880.00		0.686	640.00		0.660	400.00		0.668
870.00								
		0.685	630.00		0.656	390.00		0.664
860.00		0.684	620.00		0.650	380.00		0.660
850.00		0.681	610.00		0.647	370.00		0.652
840.00		0.678	600.00		0.654	360.00		0.641
830.00		0.675	590.00		0.660	350.00		0.633
820.00		0.669	580.00		0.637	340.00		1.304
810.00		0.668	570.00		0.625	330.00		1.308
800.00		0.667	560.00		0.639	320.00		1.320
790.00		0.668	550.00		0.648	310.00		1.333
780.00		0.669	540.00		0.655	300.00		1.339
770.00		0.670	530.00		0.660	290.00		1.352
760.00		0.671	520.00		0.663	280.00		1.368
750.00		0.671	510.00		0.663	270.00		1.384
740.00		0.670	500.00		0.663	260.00		1.400
730.00		0.667	490.00		0.664	250.00		1.420
720.00		0.664	480.00		0.666	240.00		1.438
710.00		0.663	470.00		0.666	230.00		1.454
700.00		0.661	460.00		0.668	220.00		1.472
690.00		0.661	450.00		0.670	210.00		1.489
680.00		0.661	440.00		0.671	200.00		1.516
670.00		0.663	430.00		0.671	200.00		1.010
0/0.00		0.003	430.00		0.0/1			

Sample Name: Sample 1 Rack 1 Tube 1 Collection Time 10/22/2019 1:55:28 PM

Peak Table Peak Style Peak Threshold

900.00nm to 200.00nm Range

Wavelength (nm)	Abs
899.20	0.011
893.60	0.003
889.60	0.008
886.40	0.023
884.00	0.008
879.20	0.005
872.80	0.004

X-Y Pairs Table Data Interval

10.00

Wavelength	(nm) Abs	Wavelength	(nm) Abs	Wavelength	(nm) Abs
900.00	-0.00	8 660.00	0.001	420.00	-0.001
890.00	0.00	4 650.00	0.000	410.00	-0.001
880.00	0.00	2 640.00	0.000	400.00	-0.001
870.00	0.00	3 630.00	0.000	390.00	0.000
860.00	0.00	0 620.00	0.000	380.00	-0.001
850.00	0.00	0 610.00	-0.001	370.00	-0.002
840.00	0.00	0 600.00	0.000	360.00	-0.001
830.00	-0.00	1 590.00	-0.001	350.00	-0.002
820.00	-0.00	2 580.00	0.000	340.00	-0.003
810.00	-0.00	1 570.00	0.001	330.00	-0.003
800.00	-0.00	1 560.00	0.000	320.00	0.000
790.00	-0.00	1 550.00	0.000	310.00	-0.005
780.00	-0.00	1 540.00	-0.001	300.00	-0.001
770.00	-0.00	1 530.00	0.000	290.00	0.000
760.00	-0.00	1 520.00	0.000	280.00	0.000
750.00	-0.00	1 510.00	0.000	270.00	0.002
740.00	0.00	0 500.00	0.000	260.00	0.002
730.00	0.00	1 490.00	0.000	250.00	0.001
720.00	0.00	0 480.00	0.000	240.00	0.001
710.00	0.00	1 470.00	-0.001	230.00	0.000
700.00	0.00	0 460.00	-0.001	220.00	0.000
690.00	0.00	1 450.00	-0.002	210.00	-0.002
680.00	0.00	1 440.00	-0.001	200.00	0.001
670.00	0.00	0 430.00	-0.001		

Sample Name: Sample 2 Rack 1 Tube 2

10/22/2019 1:58:41 PM Collection Time

Peak Table

Peak Style Peaks Peak Threshold 0.0100

900.00nm to 200.00nm Range

0.005

Wavelength (nm) Abs 0.011 896.00 893.60 0.007 891.20 0.004 887.20 0.015 879.20 0.012 875.20 0.004

871.20 X-Y Pairs Table

10.00 Data Interval

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.008	660.00	0.002	420.00	0.030
890.00	0.003	650.00	0.002	410.00	0.036
880.00	0.001	640.00	0.002	400.00	0.042
870.00	0.004	630.00	0.002	390.00	0.051
860.00	0.000	620.00	0.002	380.00	0.060
850.00	0.001	610.00	0.002	370.00	0.071
840.00	-0.003	600.00	0.003	360.00	0.084
830.00	-0.002	590.00	0.003	350.00	0.098
820.00	0.000	580.00	0.004	340.00	0.118
810.00	-0.002	570.00	0.005	330.00	0.134
800.00	-0.001	560.00	0.005	320.00	0.154
790.00	0.000	550.00	0.006	310.00	0.177
780.00	0.001	540.00	0.007	300.00	0.202
770.00	0.001	530.00	0.007	290.00	0.227
760.00	0.000	520.00	0.008	280.00	0.258
750.00	0.001	510.00	0.010	270.00	0.288
740.00	0.002	500.00	0.011	260.00	0.315
730.00	0.002	490.00	0.011	250.00	0.334
720.00	0.002	480.00	0.011	240.00	0.367
710.00	0.003	470.00	0.013	230.00	0.422
700.00	0.002	460.00	0.016	220.00	0.478
690.00	0.003	450.00	0.019	210.00	0.537
680.00	0.002	440.00	0.023	200.00	0.574
670.00	0.002	430.00	0.026		

Sample Name: Sample 3 Rack 1 Tube 3
Collection Time 10/22/2019 2:0 10/22/2019 2:01:53 PM

Peak Table

Peak Style Peaks 0.0100 Peak Threshold

900.00nm to 200.00nm

Wavelength (nm) Abs 898.40 0.021 896.80 0.008 892.00 0.007 888.80 0.008 0.011 887.20 883.20 0.007 879.20 0.009 871.20 0.006 856.80 0.005 0.007 347.20 X-Y Pairs Table Data Interval 10.00

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

10/23/2019 8:24:19 AM	Page 4 of 25
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900.00	-0.005	660.00	0.000	420.00	-0.002
890.00	-0.005	650.00	-0.001	410.00	-0.002
880.00	-0.005	640.00	-0.001	400.00	-0.002
870.00	-0.001	630.00	-0.001	390.00	-0.002
860.00	0.001	620.00	-0.001	380.00	-0.001
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	-0.002	590.00	-0.001	350.00	-0.003
820.00	-0.001	580.00	0.000	340.00	-0.003
810.00	-0.001	570.00	0.000	330.00	-0.002
800.00	-0.001	560.00	-0.001	320.00	-0.001
790.00	-0.001	550.00	0.000	310.00	0.000
780.00	0.000	540.00	-0.001	300.00	-0.001
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	-0.001	510.00	-0.001	270.00	0.003
740.00	0.000	500.00	-0.001	260.00	0.003
730.00	0.000	490.00	-0.002	250.00	0.005
720.00	-0.001	480.00	-0.002	240.00	0.005
710.00	0.000	470.00	-0.002	230.00	0.008
700.00	0.000	460.00	-0.002	220.00	0.011
690.00	0.000	450.00	-0.001	210.00	0.014
680.00	0.000	440.00	-0.001	200.00	0.036
670.00	-0.001	430.00	-0.001		

Sample Name: Sample 4 Rack 1 Tube 4 Collection Time 10/22/2019 2:05:05 PM

Peak Table

Peak Style Peak Threshold Peaks 0.0100

Range 900.00nm to 200.00nm

Wavelength (nm) Abs

892.00	0.006
888.80	0.006
887.20	0.007
883.20	0.005
877.60	0.007

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	0.001
890.00	-0.002	650.00	-0.001	410.00	0.001
880.00	0.003	640.00	-0.001	400.00	0.001
870.00	0.001	630.00	-0.001	390.00	0.001
860.00	-0.001	620.00	-0.001	380.00	0.001
850.00	0.001	610.00	-0.002	370.00	0.001
840.00	0.000	600.00	-0.001	360.00	0.002
830.00	-0.002	590.00	0.000	350.00	0.000
820.00	-0.002	580.00	0.000	340.00	0.004
810.00	-0.002	570.00	0.000	330.00	-0.002
800.00	0.000	560.00	-0.001	320.00	0.003
790.00	-0.001	550.00	0.000	310.00	0.000
780.00	-0.001	540.00	-0.001	300.00	0.001
770.00	-0.001	530.00	0.000	290.00	0.001
760.00	-0.001	520.00	0.001	280.00	0.001
750.00	-0.001	510.00	0.001	270.00	0.001
740.00	0.000	500.00	0.002	260.00	0.001
730.00	-0.001	490.00	0.002	250.00	0.001
720.00	0.000	480.00	0.000	240.00	0.002
710.00	0.000	470.00	0.001	230.00	0.006
700.00	-0.001	460.00	0.001	220.00	0.012
690.00	0.000	450.00	0.001	210.00	0.026
680.00	0.000	440.00	0.001	200.00	0.038
670.00	-0.001	430.00	0.001		

10/23/2019 8:24:19 AM Page 5 of 25

Peak Style Peak Threshold Peaks 0.0100

Range 900.00nm to 200.00nm

Wavelength (nm) Abs 895.20 0.003 0.003 0.013 0.014 0.006 889.60 885.60 880.00 0.005 863.20

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		0.023
890.00		0.007	650.00		0.001	410.00		0.028
880.00		0.006	640.00		0.001	400.00		0.034
870.00		0.002	630.00		0.001	390.00		0.041
860.00		-0.001	620.00		0.002	380.00		0.048
850.00		-0.001	610.00		0.002	370.00		0.058
840.00		-0.001	600.00		0.003	360.00		0.070
830.00		-0.002	590.00		0.003	350.00		0.080
820.00		-0.002	580.00		0.004	340.00		0.097
810.00		-0.001	570.00		0.004	330.00		0.109
800.00		0.000	560.00		0.004	320.00		0.128
790.00		0.000	550.00		0.005	310.00		0.145
780.00		-0.001	540.00		0.005	300.00		0.169
770.00		-0.001	530.00		0.006	290.00		0.193
760.00		-0.002	520.00		0.007	280.00		0.221
750.00		-0.001	510.00		0.008	270.00		0.248
740.00		0.001	500.00		0.009	260.00		0.274
730.00		0.000	490.00		0.010	250.00		0.291
720.00		0.000	480.00		0.009	240.00		0.321
710.00		0.001	470.00		0.010	230.00		0.367
700.00		0.001	460.00		0.012	220.00		0.419
690.00		0.001	450.00		0.014	210.00		0.476
680.00		0.000	440.00		0.016	200.00		0.521
670.00		0.000	430.00		0.020			

Sample Name: Sample 6 Rack 1 Tube 6

Collection Time 10/22/2019 2:11:29 PM

Peak Table

Peak Style Peak Threshold

0.0100

Peaks

900.00nm to 200.00nm

Wavelength (nm) Abs 899.20 0.056 888.80 0.025 887.20 0.021 0.012 880.80 872.00 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	0.022
890.00	0.015	650.00	0.000	410.00	0.027
880.00	0.010	640.00	0.000	400.00	0.032
870.00	0.003	630.00	0.000	390.00	0.039
860.00	0.003	620.00	0.000	380.00	0.045
850.00	-0.002	610.00	0.000	370.00	0.053
840.00	-0.003	600.00	0.002	360.00	0.065
830.00	-0.002	590.00	0.002	350.00	0.077
820.00	0.000	580.00	0.003	340.00	0.087
810.00	-0.001	570.00	0.003	330.00	0.102
800.00	0.001	560.00	0.003	320.00	0.117
790.00	0.000	550.00	0.004	310.00	0.134
780.00	-0.001	540.00	0.004	300.00	0.154
770.00	-0.001	530.00	0.005	290.00	0.177
760.00	-0.002	520.00	0.005	280.00	0.200

10/23/2019 8:24:19 AM Page 6 of 25

750.00	-0.001	510.00	0.006	270.00	0.224
740.00	0.000	500.00	0.007	260.00	0.242
730.00	0.000	490.00	0.008	250.00	0.257
720.00	0.000	480.00	0.009	240.00	0.285
710.00	0.001	470.00	0.011	230.00	0.327
700.00	0.001	460.00	0.012	220.00	0.373
690.00	0.001	450.00	0.014	210.00	0.434
680.00	0.001	440.00	0.016	200.00	0.478
670.00	-0.001	430.00	0.019		

Sample Name: Sample 7 Rack 1 Tube 7 Collection Time 10/22/2019 2:

10/22/2019 2:14:40 PM

Peak Table Peak Style

Peaks Peak Threshold 0.0100

900.00nm to 200.00nm Range

Wavelength (nm) Abs 899.20 0.013 896.00 0.006 893.60 0.007 884.80 0.009 0.003 878.40 872.00

X-Y Pairs Table

10.00 Data Interval

Wavelength	(nm)	Abs	Wavelength	(nm) Abs	Wavelength	(nm) Abs
900.00		0.000	660.00	0.000	420.00	0.029
890.00		0.000	650.00	0.000	410.00	0.034
880.00		-0.001	640.00	0.001	400.00	0.041
870.00		0.002	630.00	0.001	390.00	0.049
860.00		-0.002	620.00	0.001	380.00	0.058
850.00		-0.002	610.00	0.001	370.00	0.068
840.00		-0.003	600.00	0.003	360.00	0.081
830.00		-0.002	590.00	0.003	350.00	0.094
820.00		-0.002	580.00	0.003	340.00	0.107
810.00		-0.001	570.00	0.004	330.00	0.126
800.00		-0.001	560.00	0.003	320.00	0.148
790.00		-0.001	550.00	0.004	310.00	0.170
780.00		-0.001	540.00	0.005	300.00	0.197
770.00		-0.001	530.00	0.007	290.00	0.230
760.00		-0.001	520.00	0.008	280.00	0.267
750.00		0.000	510.00	0.010	270.00	0.300
740.00		0.000	500.00	0.011	260.00	0.325
730.00		0.000	490.00	0.012	250.00	0.349
720.00		-0.001	480.00	0.014	240.00	0.384
710.00		0.000	470.00	0.015	230.00	0.439
700.00		0.000	460.00	0.016	220.00	0.517
690.00		0.000	450.00	0.018	210.00	0.608
680.00		0.000	440.00	0.021	200.00	0.680
670.00		0.000	430.00	0.025		

Sample Name: Sample 8 Rack 1 Tube 8

Collection Time 10/22/2019 2:17:52 PM

Peak Table

Peak Style Peaks Peak Threshold 0.0100

900.00nm to 200.00nm Range

Wavelength (nm) Abs 899.20 0.017 896.00 0.014 893.60 0.019 887.20 0.009 881.60 0.013

X-Y Pairs Table Data Interval

10.00

10/23/2019 8:24:19 AM Page 7 of 25

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.001	660.00	0.001	420.00	0.028
890.00	0.002	650.00	0.001	410.00	0.034
880.00	0.007	640.00	0.001	400.00	0.041
870.00	0.002	630.00	0.002	390.00	0.048
860.00	0.001	620.00	0.002	380.00	0.055
850.00	-0.002	610.00	0.002	370.00	0.065
840.00	-0.003	600.00	0.003	360.00	0.075
830.00	-0.002	590.00	0.003	350.00	0.085
820.00	0.000	580.00	0.004	340.00	0.102
810.00	-0.001	570.00	0.005	330.00	0.114
800.00	-0.001	560.00	0.005	320.00	0.132
790.00	-0.001	550.00	0.006	310.00	0.150
780.00	0.001	540.00	0.006	300.00	0.172
770.00	0.000	530.00	0.008	290.00	0.199
760.00	0.000	520.00	0.009	280.00	0.228
750.00	0.000	510.00	0.011	270.00	0.256
740.00	0.001	500.00	0.012	260.00	0.277
730.00	0.001	490.00	0.013	250.00	0.292
720.00	0.001	480.00	0.015	240.00	0.325
710.00	0.001	470.00	0.017	230.00	0.367
700.00	0.001	460.00	0.018	220.00	0.427
690.00	0.001	450.00	0.019	210.00	0.502
680.00	0.002	440.00	0.022	200.00	0.567
670.00	0.002	430.00	0.025		

Sample Name: Sample 9 Rack 1 Tube 9 Collection Time 10/22/2019 2:3

10/22/2019 2:21:04 PM

Peak Table

Peak Style Peak Threshold

Peaks 0.0100

900.00nm to 200.00nm

Wavelength (nm) Abs 898.40 0.024 0.005 893.60 891.20 0.008 0.011 0.005 888.00 879.20 870.40

X-Y Pairs Table

Data Interval 10.00

Wavelength (n	m) Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	0.000	660.00	0.000	420.00	0.030
890.00	-0.003	650.00	0.001	410.00	0.036
880.00	0.001	640.00	0.001	400.00	0.042
870.00	0.002	630.00	0.001	390.00	0.050
860.00	0.001	620.00	0.001	380.00	0.060
850.00	-0.001	610.00	0.001	370.00	0.071
840.00	0.000	600.00	0.003	360.00	0.083
830.00	-0.002	590.00	0.003	350.00	0.098
820.00	0.000	580.00	0.004	340.00	0.115
810.00	-0.001	570.00	0.004	330.00	0.131
800.00	0.001	560.00	0.004	320.00	0.152
790.00	0.000	550.00	0.006	310.00	0.172
780.00	0.000	540.00	0.006	300.00	0.198
770.00	-0.002	530.00	0.007	290.00	0.228
760.00	-0.001	520.00	0.008	280.00	0.264
750.00	0.000	510.00	0.010	270.00	0.296
740.00	0.000	500.00	0.011	260.00	0.320
730.00	0.000	490.00	0.012	250.00	0.342
720.00	0.000	480.00	0.014	240.00	0.380
710.00	0.001	470.00	0.016	230.00	0.432
700.00	0.001	460.00	0.017	220.00	0.503
690.00	0.001	450.00	0.019	210.00	0.584
680.00	0.001	440.00	0.022	200.00	0.644
670.00	0.000	430.00	0.026		

Sample Name: Sample 10 Rack 1 Tube 10

10/23/2019 8:24:19 AM Page 8 of 25

10/22/2019 2:24:15 PM Collection Time

Peak Table Peak Style

Peaks 0.0100 Peak Threshold

900.00nm to 200.00nm Range

Wavelength (nm) Abs 0.006 897.60 896.00 0.007 0.009 886.40 870.40

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

Sample Name: Sample 11 Rack 1 Tube 11

Collection Time 10/22/2019 2:27:27 PM

Peak Table

Peak Style Peaks Peak Threshold 0.0100

900.00nm to 200.00nm Range

Wavelength (nm) Abs 890.40 0.014 878.40 0.007 204.80 1.455

X-Y Pairs Table

Data Interval 10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	0.002	660.00	0.005	420.00	0.080
890.00	0.011	650.00	0.005	410.00	0.094
880.00	-0.001	640.00	0.006	400.00	0.111
870.00	0.001	630.00	0.007	390.00	0.132
860.00	-0.001	620.00	0.008	380.00	0.154
850.00	-0.001	610.00	0.009	370.00	0.182
840.00	0.000	600.00	0.011	360.00	0.216
830.00	-0.001	590.00	0.012	350.00	0.248
820.00	0.002	580.00	0.014	340.00	0.291
810.00	0.001	570.00	0.014	330.00	0.330
800.00	0.000	560.00	0.016	320.00	0.384
790.00	0.000	550.00	0.018	310.00	0.441
780.00	0.002	540.00	0.019	300.00	0.506
770.00	0.000	530.00	0.022	290.00	0.572

10/23/2019 8:24:19 AM Page 9 of 25

760.00	0.000	520.00	0.025	280.00	0.647
750.00	0.001	510.00	0.029	270.00	0.720
740.00	0.002	500.00	0.031	260.00	0.781
730.00	0.003	490.00	0.034	250.00	0.840
720.00	0.002	480.00	0.038	240.00	0.930
710.00	0.003	470.00	0.042	230.00	1.059
700.00	0.004	460.00	0.046	220.00	1.195
690.00	0.004	450.00	0.052	210.00	1.369
680.00	0.005	440.00	0.059	200.00	1.458
670 00	0 004	430 00	0 069		

Sample Name: Sample 12 Rack 1 Tube 12 Collection Time 10/22/2019 2:30:

10/22/2019 2:30:39 PM

Peak Table

Peak Style Peaks 0.0100 Peak Threshold

Range 900.00nm to 200.00nm

Wavelength (nm) Abs 0.000 0.003 898.40 896.00 893.60 0.009 0.006 888.00 879.20 875.20 0.006

X-Y Pairs Table

10.00 Data Interval

Wavelength	(nm) A	bs V	Mavelength	(nm) A	bs V	Wavelength	(nm) A	bs
900.00		-0.008	660.00		0.000	420.00		0.027
890.00		-0.004	650.00		0.000	410.00		0.031
880.00		-0.001	640.00		0.000	400.00		0.036
870.00		0.003	630.00		0.001	390.00		0.044
860.00		-0.002	620.00		0.000	380.00		0.052
850.00		-0.001	610.00		0.001	370.00		0.062
840.00		0.000	600.00		0.002	360.00		0.073
830.00		-0.002	590.00		0.002	350.00		0.086
820.00		-0.001	580.00		0.003	340.00		0.100
810.00		-0.001	570.00		0.003	330.00		0.114
800.00		-0.001	560.00		0.003	320.00		0.137
790.00		-0.001	550.00		0.005	310.00		0.156
780.00		0.000	540.00		0.005	300.00		0.183
770.00		-0.002	530.00		0.007	290.00		0.210
760.00		-0.003	520.00		0.007	280.00		0.239
750.00		-0.002	510.00		0.008	270.00		0.268
740.00		-0.001	500.00		0.009	260.00		0.289
730.00		-0.001	490.00		0.011	250.00		0.310
720.00		-0.001	480.00		0.012	240.00		0.343
710.00		0.000	470.00		0.014	230.00		0.392
700.00		0.000	460.00		0.015	220.00		0.453
690.00		0.000	450.00		0.017	210.00		0.525
680.00		0.000	440.00		0.020	200.00		0.585
670.00		0.000	430.00		0.023			

Sample Name: Sample 13 Rack 1 Tube 13

10/22/2019 2:33:51 PM Collection Time

Peak Table Peak Style

Peaks 0.0100 Peak Threshold

Range 900.00nm to 200.00nm

Wavelength (nm) Abs 897.60 0.020 893.60 0.007 887.20 0.010 0.007 883.20 879.20 0.008 870.40

Page 10 of 25 10/23/2019 8:24:19 AM

X-Y Pairs Table Data Interval

10.00

Wavelength	(nm)	Abs	Wavelength	(nm) Abs	Wavelength	(nm) Abs
900.00		-0.008	660.00	-0.00	1 420.00	0.014
890.00		-0.005	650.00	-0.00	1 410.00	0.015
880.00		0.004	640.00	-0.00	12 400.00	0.018
870.00		0.004	630.00	-0.00	390.00	0.023
860.00		0.001	620.00	-0.00	380.00	0.026
850.00		-0.001	610.00	-0.00	370.00	0.032
840.00		-0.002	600.00	0.00	360.00	0.037
830.00		-0.003	590.00	0.00	350.00	0.042
820.00		-0.001	580.00	0.00	340.00	0.045
810.00		-0.001	570.00	0.00	330.00	0.054
800.00		0.000	560.00	0.00	320.00	0.067
790.00		0.000	550.00	0.00	310.00	0.074
780.00		0.000	540.00	0.00	300.00	0.088
770.00		-0.001	530.00	0.00	290.00	0.101
760.00		0.000	520.00	0.00	280.00	0.117
750.00		-0.001	510.00	0.00	270.00	0.131
740.00		0.000	500.00	0.00	260.00	0.143
730.00		0.000	490.00	0.00	250.00	0.152
720.00		-0.001	480.00	0.00	240.00	0.167
710.00		0.000	470.00	0.00	230.00	0.190
700.00		0.000	460.00	0.00	220.00	0.219
690.00		0.000	450.00	0.00	210.00	0.257
680.00		0.000	440.00	0.01	.0 200.00	0.289
670.00		-0.001	430.00	0.01	.2	

Peak Table

Peak Style Peak Threshold Peaks 0.0100

Range 900.00nm to 200.00nm

Wavelength (nm) Abs 894.40 0.007 0.010 0.001 0.004 891.20 878.40 872.80 0.005 863.20

X-Y Pairs Table

Wavelength	(nm)	Abs	Wavelength	(nm) Ak	os I	Wavelength	(nm)	Abs
900.00		0.005	660.00		0.000	420.00		0.009
890.00		0.003	650.00		0.000	410.00		0.010
880.00		-0.006	640.00	-	-0.001	400.00		0.012
870.00		0.001	630.00		0.000	390.00		0.015
860.00		0.000	620.00		0.000	380.00		0.019
850.00		-0.002	610.00	-	-0.001	370.00		0.022
840.00		-0.003	600.00		0.000	360.00		0.026
830.00		-0.003	590.00		0.000	350.00		0.029
820.00		-0.001	580.00		0.000	340.00		0.033
810.00		-0.002	570.00		0.001	330.00		0.040
800.00		-0.001	560.00		0.001	320.00		0.043
790.00		-0.001	550.00		0.001	310.00		0.051
780.00		0.001	540.00		0.001	300.00		0.060
770.00		-0.001	530.00		0.003	290.00		0.068
760.00		0.000	520.00		0.003	280.00		0.079
750.00		-0.001	510.00		0.004	270.00		0.092
740.00		0.000	500.00		0.004	260.00		0.100
730.00		0.000	490.00		0.005	250.00		0.104
720.00		-0.001	480.00		0.005	240.00		0.117
710.00		0.000	470.00		0.005	230.00		0.132
700.00		0.001	460.00		0.005	220.00		0.153
690.00		0.001	450.00		0.005	210.00		0.181
680.00		0.000	440.00		0.006	200.00		0.210
670.00		-0.001	430.00		0.008			

Sample Name: Sample 15 Rack 1 Tube 15

Collection Time 10/22/2019 2:40:17 PM

Peak Table

Peak Style Peaks
Peak Threshold 0.0100

Range 900.00nm to 200.00nm

Wavelength (nm) Abs 899.20 0.010 0.010 896.00 893.60 891.20 0.008 884.80 0.010 881.60 0.005 879.20 0.006 875.20 0.006

X-Y Pairs Table Data Interval

10.00

Wavelength	(nm)	Abs	Wavelength	(nm)	Abs	Wave	length	(nm)	Abs
900.00		-0.012	660.00		-0.001		420.00		0.009
890.00		0.000	650.00		-0.002	4	410.00		0.011
880.00		-0.007	640.00		-0.002	4	400.00		0.013
870.00		0.001	630.00		-0.001	3	390.00		0.016
860.00		0.001	620.00		-0.001	3	380.00		0.018
850.00		-0.002	610.00		-0.001	3	370.00		0.021
840.00		-0.003	600.00		0.000	3	360.00		0.025
830.00		-0.001	590.00		0.000	3	350.00		0.027
820.00		-0.001	580.00		0.000	3	340.00		0.031
810.00		0.000	570.00		0.000	3	330.00		0.034
800.00		-0.001	560.00		0.000	3	320.00		0.039
790.00		-0.001	550.00		0.000	3	310.00		0.045
780.00		-0.001	540.00		0.001	3	300.00		0.051
770.00		-0.003	530.00		0.001	2	290.00		0.061
760.00		-0.002	520.00		0.001	2	280.00		0.069
750.00		-0.002	510.00		0.002	2	270.00		0.079
740.00		-0.002	500.00		0.003	2	260.00		0.085
730.00		-0.001	490.00		0.004	2	250.00		0.091
720.00		-0.001	480.00		0.004	2	240.00		0.102
710.00		-0.001	470.00		0.005	2	230.00		0.115
700.00		-0.001	460.00		0.004	2	220.00		0.136
690.00		0.000	450.00		0.005	2	210.00		0.156
680.00		-0.001	440.00		0.005	2	200.00		0.183
670.00		-0.001	430.00		0.008				

Sample Name: Sample 16 Rack 1 Tube 16

Collection Time 10/22/2019 2:43:29 PM

Peak Table

Peak Style Peaks
Peak Threshold 0.0100

Range 900.00nm to 200.00nm

 Wavelength (nm)
 Abs

 896.00
 0.009

 893.60
 0.003

 889.60
 0.006

 886.40
 0.011

 883.20
 0.011

 878.40
 0.003

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	0.008
890.00	0.003	650.00	0.001	410.00	0.010
880.00	-0.009	640.00	0.000	400.00	0.011
870.00	0.001	630.00	0.000	390.00	0.013
860.00	-0.001	620.00	0.000	380.00	0.015

10/23/2019 8:24:19 AM Page 12 of 25

850.00	-0.002	610.00	0.000	370.00	0.017
840.00	-0.001	600.00	0.000	360.00	0.021
830.00	-0.002	590.00	0.000	350.00	0.025
820.00	-0.001	580.00	0.001	340.00	0.025
810.00	-0.002	570.00	0.001	330.00	0.031
800.00	-0.001	560.00	0.001	320.00	0.037
790.00	0.000	550.00	0.001	310.00	0.042
780.00	0.001	540.00	0.001	300.00	0.047
770.00	0.000	530.00	0.002	290.00	0.057
760.00	0.000	520.00	0.002	280.00	0.064
750.00	-0.001	510.00	0.003	270.00	0.076
740.00	0.000	500.00	0.003	260.00	0.082
730.00	0.001	490.00	0.004	250.00	0.087
720.00	0.001	480.00	0.004	240.00	0.096
710.00	0.001	470.00	0.004	230.00	0.107
700.00	0.001	460.00	0.004	220.00	0.124
690.00	0.001	450.00	0.004	210.00	0.141
680.00	0.001	440.00	0.005	200.00	0.157
670.00	0.001	430.00	0.007		

Sample Name: Sample 17 Rack 1 Tube 17

Collection Time 10/22/2019 2:46:41 PM

Peak Table

Peak Style Peaks
Peak Threshold 0.0100

Range 900.00nm to 200.00nm

 Wavelength (nm)
 Abs

 899.20
 0.011

 896.00
 0.014

 893.60
 0.013

 885.60
 0.009

 879.20
 0.005

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	0.005
890.00		-0.006	650.00	-0.001	410.00	0.006
880.00		-0.005	640.00	-0.001	400.00	0.007
870.00		-0.001	630.00	-0.001	390.00	0.009
860.00		0.000	620.00	-0.001	380.00	0.010
850.00		-0.003	610.00	-0.001	370.00	0.012
840.00		-0.002	600.00	0.000	360.00	0.016
830.00		-0.003	590.00	0.000	350.00	0.016
820.00		-0.001	580.00	0.000	340.00	0.018
810.00		-0.003	570.00	0.000	330.00	0.022
800.00		0.000	560.00	0.000	320.00	0.026
790.00		-0.001	550.00	0.001	310.00	0.029
780.00		0.000	540.00	0.000	300.00	0.034
770.00		-0.001	530.00	0.001	290.00	0.041
760.00		-0.001	520.00	0.002	280.00	0.047
750.00		-0.001	510.00	0.003	270.00	0.055
740.00		0.000	500.00	0.004	260.00	0.062
730.00		0.000	490.00	0.004	250.00	0.062
720.00		0.000	480.00	0.004	240.00	0.070
710.00		0.000	470.00	0.004	230.00	0.080
700.00		0.000	460.00	0.004	220.00	0.098
690.00		0.000	450.00	0.004	210.00	0.123
680.00		0.000	440.00	0.005	200.00	0.150
670.00		-0.001	430.00	0.005		

Sample Name: Sample 18 Rack 1 Tube 18

Collection Time 10/22/2019 2:49:52 PM

Peak Table

Peak Style Peaks
Peak Threshold 0.0100

Range 900.00nm to 200.00nm

Wavelength (nm) Abs

10/23/2019 8:24:19 AM Page 13 of 25

899.20	0.032
896.80	0.008
888.00	0.008
879.20	0.007
872.80	0.005

X-Y Pairs Table

Data Interval

10.00

Wavelength	(nm)	Abs	Wavelength	(nm)	Abs	Wavelength	(nm) A	Abs
900.00		0.011	660.00		0.001	420.00		0.028
890.00		0.004	650.00		0.002	410.00		0.033
880.00		0.002	640.00		0.002	400.00		0.038
870.00		0.001	630.00		0.003	390.00		0.046
860.00		0.001	620.00		0.003	380.00		0.053
850.00		0.000	610.00		0.003	370.00		0.063
840.00		-0.004	600.00		0.004	360.00		0.073
830.00		-0.001	590.00		0.004	350.00		0.085
820.00		-0.002	580.00		0.005	340.00		0.099
810.00		-0.001	570.00		0.006	330.00		0.109
800.00		0.001	560.00		0.006	320.00		0.130
790.00		0.000	550.00		0.007	310.00		0.146
780.00		0.000	540.00		0.008	300.00		0.169
770.00		0.000	530.00		0.009	290.00		0.192
760.00		0.000	520.00		0.010	280.00		0.218
750.00		0.000	510.00		0.012	270.00		0.246
740.00		0.001	500.00		0.013	260.00		0.270
730.00		0.001	490.00		0.014	250.00		0.289
720.00		0.001	480.00		0.016	240.00		0.316
710.00		0.002	470.00		0.016	230.00		0.360
700.00		0.002	460.00		0.018	220.00		0.404
690.00		0.002	450.00		0.019	210.00		0.459
680.00		0.002	440.00		0.022	200.00		0.506
670.00		0.002	430.00		0.025			

Peak Table

Range

Peak Style Peak Style Peak Threshold

Peaks

0.0100 900.00nm to 200.00nm

Wavelength (nm) Abs 898.40 0.021

898.40	0.021
896.00	0.011
889.60	0.009
885.60	0.006
880.80	0.008
875.20	0.007
346.40	0.010

X-Y Pairs Table

Wavelength	(nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00		0.000	660.00	-0.001	420.00	0.001
890.00		0.009	650.00	-0.002	410.00	0.001
880.00		0.004	640.00	-0.002	400.00	0.002
870.00		-0.002	630.00	-0.002	390.00	0.003
860.00		0.000	620.00	-0.002	380.00	0.003
850.00		-0.002	610.00	-0.003	370.00	0.004
840.00		-0.002	600.00	-0.002	360.00	0.006
830.00		-0.002	590.00	-0.002	350.00	0.005
820.00		-0.002	580.00	-0.001	340.00	0.005
810.00		-0.003	570.00	-0.001	330.00	0.006
800.00		-0.001	560.00	-0.002	320.00	0.008
790.00		-0.001	550.00	-0.001	310.00	0.011
780.00		-0.001	540.00	-0.001	300.00	0.014
770.00		-0.002	530.00	0.000	290.00	0.016
760.00		-0.001	520.00	0.000	280.00	0.020
750.00		-0.002	510.00	0.001	270.00	0.020
740.00		-0.002	500.00	0.001	260.00	0.022
730.00		-0.001	490.00	0.001	250.00	0.022

10/23/2019 8:24:19 AM Page 14 of 25

720.00	-0.001	480.00	0.001	240.00	0.024
710.00	-0.001	470.00	0.001	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	0.043
680.00	0.000	440.00	0.001	200.00	0.054
670.00	-0.001	430.00	0.001		

Sample Name: Sample 20 Rack 1 Tube 20

10/22/2019 2:56:16 PM Collection Time

Peak Table Peak Style

Peaks Peak Threshold 0.0100

900.00nm to 200.00nm

Wavelength (nm) Abs 896.00 0.005 893.60 0.011 888.80 0.011 870.40 0.004 0.007 324.00

X-Y Pairs Table

10.00 Data Interval

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

Sample Name: Sample 21 Rack 1 Tube 21

Collection Time 10/22/2019 2:59:28 PM

Peak Table

Peak Style Peaks 0.0100 Peak Threshold

900.00nm to 200.00nm Range

Wavelength (nm) Abs 899.20 0.010 896.00 0.011 886.40 0.004 0.003 883.20 881.60 0.006 872.80 X-Y Pairs Table Data Interval 10.00

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

10/23/2019 8:24:19 AM	Page 15 of 25
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900.00	-0.012	660.00	0.000	420.00	0.014
890.00	-0.003	650.00	0.000	410.00	0.016
880.00	0.003	640.00	0.000	400.00	0.019
870.00	0.000	630.00	0.000	390.00	0.023
860.00	-0.001	620.00	0.000	380.00	0.027
850.00	-0.002	610.00	-0.001	370.00	0.031
840.00	-0.003	600.00	0.001	360.00	0.037
830.00	-0.004	590.00	0.001	350.00	0.042
820.00	-0.001	580.00	0.001	340.00	0.050
810.00	-0.001	570.00	0.001	330.00	0.056
800.00	-0.001	560.00	0.001	320.00	0.066
790.00	-0.003	550.00	0.002	310.00	0.075
780.00	-0.001	540.00	0.002	300.00	0.087
770.00	-0.001	530.00	0.002	290.00	0.096
760.00	-0.001	520.00	0.003	280.00	0.109
750.00	-0.002	510.00	0.004	270.00	0.121
740.00	0.000	500.00	0.005	260.00	0.134
730.00	0.001	490.00	0.004	250.00	0.143
720.00	0.000	480.00	0.005	240.00	0.158
710.00	0.001	470.00	0.005	230.00	0.178
700.00	0.000	460.00	0.007	220.00	0.204
690.00	0.000	450.00	0.008	210.00	0.230
680.00	0.001	440.00	0.010	200.00	0.252
670.00	0.000	430.00	0.012		

Peak Table

Peak Style Peak Threshold Peaks 0.0100

Range 900.00nm to 200.00nm

Wavelength (nm) Abs

899.20	0.017
893.60	0.004
886.40	0.009
880.00	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	-0.005	660.00	0.000	420.00	0.023
890.00	0.000	650.00	0.000	410.00	0.027
880.00	0.009	640.00	0.000	400.00	0.030
870.00	0.002	630.00	0.000	390.00	0.036
860.00	0.000	620.00	0.001	380.00	0.042
850.00	0.000	610.00	0.000	370.00	0.049
840.00	0.001	600.00	0.002	360.00	0.058
830.00	-0.001	590.00	0.002	350.00	0.067
820.00	-0.002	580.00	0.003	340.00	0.078
810.00	-0.002	570.00	0.003	330.00	0.086
800.00	-0.001	560.00	0.003	320.00	0.104
790.00	-0.001	550.00	0.004	310.00	0.118
780.00	-0.001	540.00	0.003	300.00	0.137
770.00	-0.002	530.00	0.005	290.00	0.152
760.00	-0.002	520.00	0.005	280.00	0.177
750.00	-0.001	510.00	0.006	270.00	0.199
740.00	-0.001	500.00	0.007	260.00	0.218
730.00	0.000	490.00	0.009	250.00	0.233
720.00	0.000	480.00	0.009	240.00	0.255
710.00	0.000	470.00	0.011	230.00	0.293
700.00	0.000	460.00	0.012	220.00	0.336
690.00	0.000	450.00	0.015	210.00	0.385
680.00	0.001	440.00	0.017	200.00	0.431
670.00	0.000	430.00	0.020		

10/23/2019 8:24:19 AM

Page 16 of 25

Peak Style Peaks Peak Threshold 0.0100

Range 900.00nm to 200.00nm

Wavelength (nm) Abs 896.00 0.013 0.007 0.014 0.008 891.20 889.60 885.60 870.40 0.003 863.20 0.005

X-Y Pairs Table

Data Interval 10.00

Wavelength	(nm)	Abs	Wavelength	(nm)	Abs	Wavelength	(nm)	Abs
900.00		0.004	660.00		0.000	420.00		0.013
890.00		0.004	650.00		0.000	410.00		0.016
880.00		0.004	640.00		0.000	400.00		0.018
870.00		0.003	630.00		0.000	390.00		0.023
860.00		-0.002	620.00		0.000	380.00		0.028
850.00		-0.002	610.00		0.000	370.00		0.032
840.00		-0.001	600.00		0.000	360.00		0.040
830.00		-0.002	590.00		0.000	350.00		0.044
820.00		-0.003	580.00		0.001	340.00		0.059
810.00		-0.002	570.00		0.001	330.00		0.062
800.00		0.000	560.00		0.001	320.00		0.072
790.00		-0.001	550.00		0.002	310.00		0.085
780.00		0.001	540.00		0.002	300.00		0.099
770.00		-0.001	530.00		0.002	290.00		0.113
760.00		-0.002	520.00		0.002	280.00		0.134
750.00		0.000	510.00		0.004	270.00		0.152
740.00		0.000	500.00		0.004	260.00		0.167
730.00		0.000	490.00		0.004	250.00		0.179
720.00		0.000	480.00		0.004	240.00		0.197
710.00		0.000	470.00		0.004	230.00		0.226
700.00		0.000	460.00		0.005	220.00		0.260
690.00		0.000	450.00		0.006	210.00		0.301
680.00		0.000	440.00		0.009	200.00		0.341
670.00		0.000	430.00		0.011			

Peak Table

Peak Style Peak Threshold Range

Peaks 0.0100

900.00nm to 200.00nm

Wavelength (nm) Abs 0.007 0.010 0.009 899.20 893.60 889.60 881.60 0.009 870.40 347.20 0.005 0.016

X-Y Pairs Table

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.012	660.00	-0.001	420.00	0.003
890.00	0.007	650.00	-0.001	410.00	0.005
880.00	0.004	640.00	-0.001	400.00	0.005
870.00	0.003	630.00	0.000	390.00	0.006
860.00	-0.001	620.00	0.000	380.00	0.007
850.00	-0.002	610.00	-0.001	370.00	0.008
840.00	-0.002	600.00	0.001	360.00	0.010
830.00	-0.002	590.00	0.000	350.00	0.009
820.00	-0.002	580.00	0.001	340.00	0.008
810.00	-0.001	570.00	0.001	330.00	0.010
800.00	-0.002	560.00	0.000	320.00	0.013
790.00	-0.001	550.00	0.001	310.00	0.017
780.00	0.001	540.00	0.000	300.00	0.022

10/23/2019 8:24:19 AM Page 17 of 25

770.00	-0.002	530.00	-0.001	290.00	0.025
760.00	-0.002	520.00	0.000	280.00	0.028
750.00	-0.002	510.00	0.001	270.00	0.032
740.00	-0.002	500.00	0.001	260.00	0.036
730.00	-0.001	490.00	0.001	250.00	0.037
720.00	-0.001	480.00	0.000	240.00	0.042
710.00	-0.001	470.00	0.000	230.00	0.050
700.00	-0.001	460.00	0.001	220.00	0.061
690.00	-0.001	450.00	0.002	210.00	0.073
680.00	-0.001	440.00	0.002	200.00	0.095
670.00	-0.001	430.00	0.003		

Peak Table Peak Style

Peaks Peak Threshold 0.0100

Range 900.00nm to 200.00nm

Wavelength	(nm)	Abs
896.00		0.010
893.60		0.010
891.20		0.003
889.60		0.001
887.20		0.008
880.80		0.011
863.20		0.006

X-Y Pairs Table

Data Interval 10.00

Wavelength	(nm)	Abs	Wavelengt!	n (nm)	Abs	Wavelength	(nm)	Abs
900.00		-0.008	660.0	0	-0.001	420.00		0.001
890.00		-0.005	650.0	0	-0.002	410.00		0.002
880.00		-0.003	640.0	C	-0.003	400.00		0.003
870.00		0.003	630.0	C	-0.002	390.00		0.004
860.00		0.000	620.0	C	-0.002	380.00		0.004
850.00		-0.001	610.0	C	-0.002	370.00		0.005
840.00		0.001	600.0	C	-0.001	360.00		0.007
830.00		-0.002	590.0	C	-0.001	350.00		0.008
820.00		-0.001	580.0	C	-0.001	340.00		0.008
810.00		-0.001	570.0	C	-0.001	330.00		0.008
800.00		-0.001	560.0	C	-0.001	320.00		0.009
790.00		-0.001	550.0	O	0.000	310.00		0.010
780.00		-0.001	540.0	C	-0.001	300.00		0.017
770.00		-0.001	530.0	C	0.000	290.00		0.019
760.00		-0.002	520.0	C	0.000	280.00		0.023
750.00		-0.001	510.0	0	0.001	270.00		0.027
740.00		-0.001	500.0	C	0.000	260.00		0.032
730.00		-0.001	490.0	C	0.000	250.00		0.034
720.00		-0.001	480.0	C	0.000	240.00		0.039
710.00		-0.001	470.0	0	0.000	230.00		0.046
700.00		0.000	460.0	C	0.000	220.00		0.059
690.00		-0.001	450.0	C	0.000	210.00		0.075
680.00		-0.001	440.0	C	0.001	200.00		0.109
670.00		-0.002	430.0	0	0.001			

Sample Name: Sample 26 Rack 1 Tube 26

Collection Time 10/22/2019 3:15:28 PM

Peak Table

Peak Style Peaks Peak Threshold 0.0100

900.00nm to 200.00nm Range

Wavelength	(nm)	Abs
896.00		0.007
891.20		0.003
889.60		0.008
883.20		0.006

10/23/2019 8:24:19 AM Page 18 of 25

X-Y Pairs Table Data Interval

10.00

Wavelength	(nm)	Abs	Wavelength	(nm) A	bs	Wavelength	(nm)	Abs
900.00		-0.003	660.00		-0.001	420.00		0.008
890.00		0.000	650.00		-0.001	410.00		0.010
880.00		-0.006	640.00		-0.001	400.00		0.012
870.00		0.001	630.00		-0.001	390.00		0.015
860.00		0.001	620.00		-0.001	380.00		0.018
850.00		-0.002	610.00		-0.001	370.00		0.022
840.00		-0.001	600.00		0.000	360.00		0.027
830.00		-0.002	590.00		0.000	350.00		0.032
820.00		-0.002	580.00		0.001	340.00		0.040
810.00		0.001	570.00		0.001	330.00		0.044
800.00		0.000	560.00		0.001	320.00		0.053
790.00		0.000	550.00		0.001	310.00		0.061
780.00		0.001	540.00		0.001	300.00		0.073
770.00		0.000	530.00		0.002	290.00		0.087
760.00		0.000	520.00		0.001	280.00		0.103
750.00		0.002	510.00		0.002	270.00		0.120
740.00		0.002	500.00		0.003	260.00		0.135
730.00		0.002	490.00		0.003	250.00		0.145
720.00		0.001	480.00		0.002	240.00		0.160
710.00		0.001	470.00		0.003	230.00		0.180
700.00		0.001	460.00		0.004	220.00		0.211
690.00		0.000	450.00		0.005	210.00		0.247
680.00		0.001	440.00		0.006	200.00		0.297
670.00		-0.001	430.00		0.007			

Peak Table

Peak Style Peak Threshold Peaks 0.0100

Range 900.00nm to 200.00nm

Wavelength (nm) Abs 899.20 0.020 0.002 893.60 891.20 887.20 0.012 880.80 0.008 875.20 0.006

X-Y Pairs Table

Wavelength	(nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00		0.007	660.00	-0.001	420.00	0.010
890.00		-0.004	650.00	-0.001	410.00	0.012
880.00		0.002	640.00	0.000	400.00	0.013
870.00		-0.001	630.00	0.000	390.00	0.016
860.00		0.000	620.00	0.000	380.00	0.019
850.00		-0.002	610.00	-0.001	370.00	0.022
840.00		-0.002	600.00	0.000	360.00	0.026
830.00		-0.002	590.00	0.000	350.00	0.028
820.00		0.001	580.00	0.000	340.00	0.032
810.00		0.000	570.00	0.001	330.00	0.038
800.00		0.001	560.00	0.002	320.00	0.047
790.00		0.000	550.00	0.002	310.00	0.052
780.00		0.001	540.00	0.002	300.00	0.059
770.00		0.002	530.00	0.002	290.00	0.069
760.00		0.000	520.00	0.002	280.00	0.079
750.00		0.001	510.00	0.002	270.00	0.094
740.00		0.002	500.00	0.002	260.00	0.101
730.00		0.001	490.00	0.002	250.00	0.105
720.00		0.001	480.00	0.002	240.00	0.117
710.00		0.001	470.00	0.003	230.00	0.129
700.00		0.001	460.00	0.004	220.00	0.147
690.00		0.000	450.00	0.005	210.00	0.166
680.00		0.000	440.00	0.007	200.00	0.190
670.00		-0.001	430.00	0.009		

Sample Name: Sample 28 Rack 1 Tube 28

Collection Time 10/22/2019 3:21:53 PM

Peak Table

Peak Style Peaks
Peak Threshold 0.0100

Range 900.00nm to 200.00nm

 Wavelength (nm)
 Abs

 897.60
 0.012

 893.60
 0.018

 886.40
 0.015

 878.40
 0.010

 875.20
 0.003

X-Y Pairs Table

Data Interval 10.00

Wavelength	(nm)	Abs	Wavelength	(nm) A	bs	Wavelength (nm)	Abs
900.00		-0.007	660.00		0.000	420.00	0.010
890.00		0.003	650.00		0.000	410.00	0.012
880.00		-0.001	640.00		0.000	400.00	0.015
870.00		0.002	630.00		0.000	390.00	0.017
860.00		0.000	620.00		0.000	380.00	0.019
850.00		-0.001	610.00		-0.001	370.00	0.023
840.00		-0.001	600.00		0.001	360.00	0.028
830.00		0.000	590.00		0.001	350.00	0.031
820.00		0.000	580.00		0.001	340.00	0.038
810.00		0.001	570.00		0.001	330.00	0.044
800.00		0.002	560.00		0.001	320.00	0.054
790.00		0.001	550.00		0.002	310.00	0.059
780.00		0.002	540.00		0.001	300.00	0.068
770.00		0.000	530.00		0.001	290.00	0.078
760.00		0.000	520.00		0.001	280.00	0.088
750.00		0.001	510.00		0.002	270.00	0.101
740.00		0.002	500.00		0.002	260.00	0.107
730.00		0.001	490.00		0.002	250.00	0.113
720.00		0.001	480.00		0.001	240.00	0.125
710.00		0.001	470.00		0.002	230.00	0.142
700.00		0.001	460.00		0.003	220.00	0.166
690.00		0.000	450.00		0.004	210.00	0.193
680.00		0.001	440.00		0.007	200.00	0.212
670.00		0.000	430.00		0.009		

Sample Name: Sample 29 Rack 1 Tube 29

Collection Time 10/22/2019 3:25:06 PM

Peak Table

Peak Style Peaks
Peak Threshold 0.0100

Range 900.00nm to 200.00nm

 Wavelength (nm)
 Abs

 899.20
 0.016

 896.00
 0.010

 893.60
 0.014

 891.20
 0.010

 886.40
 0.016

 863.20
 0.006

X-Y Pairs Table

Data Interval 10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	0.001	660.00	0.001	420.00	0.024
890.00	0.004	650.00	0.002	410.00	0.029
880.00	0.000	640.00	0.001	400.00	0.034
870.00	0.004	630.00	0.002	390.00	0.042
860.00	0.002	620.00	0.002	380.00	0.049
850.00	0.001	610.00	0.002	370.00	0.059
840.00	-0.001	600.00	0.002	360.00	0.070
830.00	0.000	590.00	0.003	350.00	0.081

10/23/2019 8:24:19 AM Page 20 of 25

820.00	0.001	580.00	0.003	340.00	0.097
810.00	0.001	570.00	0.003	330.00	0.115
800.00	0.002	560.00	0.004	320.00	0.132
790.00	0.002	550.00	0.004	310.00	0.152
780.00	0.003	540.00	0.004	300.00	0.174
770.00	0.002	530.00	0.005	290.00	0.198
760.00	0.001	520.00	0.005	280.00	0.225
750.00	0.000	510.00	0.007	270.00	0.254
740.00	0.001	500.00	0.008	260.00	0.279
730.00	0.001	490.00	0.009	250.00	0.301
720.00	0.000	480.00	0.009	240.00	0.332
710.00	0.001	470.00	0.011	230.00	0.377
700.00	0.001	460.00	0.013	220.00	0.427
690.00	0.001	450.00	0.015	210.00	0.484
680.00	0.001	440.00	0.018	200.00	0.528
670.00	0.001	430.00	0.021		

Sample Name: Sample 30 Rack 1 Tube 30

Collection Time 10/22/2019 3:28:18 PM

Peak Table

Peak Style Peaks
Peak Threshold 0.0100

Range 900.00nm to 200.00nm

 Wavelength (nm)
 Abs

 896.00
 0.012

 891.20
 0.006

 889.60
 0.013

 885.60
 0.005

 880.80
 0.006

 346.40
 0.007

X-Y Pairs Table

Data Interval 10.00

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

Sample Name: Sample 31 Rack 1 Tube 31

Collection Time 10/22/2019 3:31:31 PM

Peak Table

Peak Style Peaks
Peak Threshold 0.0100

Range 900.00nm to 200.00nm

Wavelength (nm) Abs

899.20 0.013

10/23/2019 8:24:19 AM Page 21 of 25

894.40	0.006
886.40	0.008
870.40	0.006

X-Y Pairs Table

10.00 Data Interval

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.002	660.00	-0.001	420.00	-0.002
890.00	0.000	650.00	-0.001	410.00	-0.001
880.00	0.002	640.00	-0.001	400.00	-0.001
870.00	0.003	630.00	-0.001	390.00	0.000
860.00	-0.001	620.00	-0.002	380.00	0.002
850.00	0.000	610.00	-0.002	370.00	0.002
840.00	0.000	600.00	-0.001	360.00	0.003
830.00	0.000	590.00	-0.001	350.00	0.003
820.00	0.002	580.00	-0.001	340.00	0.007
810.00	0.001	570.00	-0.001	330.00	0.006
800.00	0.000	560.00	-0.001	320.00	0.009
790.00	0.000	550.00	-0.001	310.00	0.008
780.00	0.000	540.00	-0.001	300.00	0.006
770.00	-0.001	530.00	-0.002	290.00	0.005
760.00	0.000	520.00	-0.002	280.00	0.008
750.00	0.000	510.00	-0.002	270.00	0.007
740.00	0.000	500.00	-0.002	260.00	0.007
730.00	0.000	490.00	-0.002	250.00	0.007
720.00	0.001	480.00	-0.003	240.00	0.009
710.00	0.000	470.00	-0.002	230.00	0.009
700.00	0.001	460.00	-0.003	220.00	0.013
690.00	0.000	450.00	-0.002	210.00	0.014
680.00	0.000	440.00	-0.002	200.00	0.021
670.00	-0.001	430.00	-0.002		

Peak Table Peak Style

Peak Threshold

Peaks 0.0100

900.00nm to 200.00nm Range

Wavelength (nm) Abs 0.021 0.013 896.00 886.40 0.013 0.010 0.005 0.007 883.20 880.80 870.40

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	0.027
890.00	-0.001	650.00	0.001	410.00	0.033
880.00	0.002	640.00	0.002	400.00	0.038
870.00	0.003	630.00	0.002	390.00	0.045
860.00	0.002	620.00	0.002	380.00	0.053
850.00	-0.001	610.00	0.002	370.00	0.063
840.00	0.000	600.00	0.003	360.00	0.076
830.00	-0.001	590.00	0.003	350.00	0.088
820.00	0.002	580.00	0.005	340.00	0.101
810.00	-0.001	570.00	0.005	330.00	0.117
800.00	-0.001	560.00	0.005	320.00	0.139
790.00	-0.001	550.00	0.007	310.00	0.156
780.00	-0.001	540.00	0.007	300.00	0.178
770.00	-0.001	530.00	0.007	290.00	0.203
760.00	-0.002	520.00	0.007	280.00	0.234
750.00	-0.001	510.00	0.009	270.00	0.261
740.00	0.001	500.00	0.009	260.00	0.286
730.00	0.001	490.00	0.010	250.00	0.311
720.00	0.001	480.00	0.011	240.00	0.345
710.00	0.001	470.00	0.013	230.00	0.392
700.00	0.001	460.00	0.014	220.00	0.445
690.00	0.001	450.00	0.016	210.00	0.512
680.00	0.002	440.00	0.020	200.00	0.561

10/23/2019 8:24:19 AM Page 22 of 25

670.00 0.001 430.00 0.024

Sample Name: Sample 33 Rack 1 Tube 33

Collection Time 10/22/2019 3:37:55 PM

Peak Table

Peak Style Peaks
Peak Threshold 0.0100

Range 900.00nm to 200.00nm

 Wavelength (nm)
 Abs

 899.20
 0.027

 893.60
 0.010

 889.60
 0.019

 886.40
 0.011

 883.20
 0.012

 872.80
 0.007

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	0.000
890.00	0.013	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	0.002
860.00	0.002	620.00	0.000	380.00	0.003
850.00	0.000	610.00	-0.001	370.00	0.004
840.00	0.000	600.00	0.000	360.00	0.005
830.00	-0.001	590.00	0.000	350.00	0.006
820.00	0.002	580.00	0.001	340.00	0.007
810.00	0.001	570.00	0.001	330.00	0.007
800.00	0.001	560.00	0.001	320.00	0.011
790.00	0.000	550.00	0.001	310.00	0.011
780.00	0.000	540.00	0.000	300.00	0.011
770.00	-0.001	530.00	0.000	290.00	0.012
760.00	-0.001	520.00	-0.001	280.00	0.018
750.00	0.000	510.00	0.000	270.00	0.021
740.00	0.000	500.00	-0.001	260.00	0.022
730.00	0.000	490.00	-0.001	250.00	0.024
720.00	0.000	480.00	-0.001	240.00	0.027
710.00	0.000	470.00	-0.001	230.00	0.031
700.00	0.000	460.00	-0.001	220.00	0.037
690.00	0.000	450.00	0.000	210.00	0.043
680.00	0.000	440.00	0.000	200.00	0.057
670.00	-0.001	430.00	0.000		

Sample Name: Sample 34 Rack 1 Tube 34

Collection Time 10/22/2019 3:41:07 PM

Peak Table

Peak Style Peaks
Peak Threshold 0.0100

Range 900.00nm to 200.00nm

Wavelength (nm) Abs 896.00 0.007 -0.008 893.60 891.20 0.010 889.60 0.018 0.008 883.20 879.20 863.20 0.008 316.80 0.016

X-Y Pairs Table

Data Interval 10.00

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.008 0.007	660.00 650.00	-0.001 -0.001	420.00 410.00	0.001

Page 23 of 25 10/23/2019 8:24:19 AM

880.00	0.007	640.00	-0.001	400.00	0.002
870.00	0.000	630.00	-0.001	390.00	0.003
860.00	0.001	620.00	-0.001	380.00	0.003
850.00	0.000	610.00	-0.001	370.00	0.004
840.00	0.000	600.00	0.000	360.00	0.007
830.00	-0.001	590.00	0.000	350.00	0.007
820.00	0.000	580.00	0.001	340.00	0.010
810.00	0.000	570.00	0.001	330.00	0.009
800.00	0.000	560.00	0.001	320.00	0.010
790.00	-0.003	550.00	0.001	310.00	0.011
780.00	0.000	540.00	0.001	300.00	0.012
770.00	-0.001	530.00	0.000	290.00	0.015
760.00	-0.001	520.00	0.000	280.00	0.018
750.00	0.000	510.00	0.000	270.00	0.022
740.00	0.000	500.00	0.000	260.00	0.023
730.00	0.000	490.00	0.000	250.00	0.025
720.00	0.000	480.00	-0.001	240.00	0.025
710.00	0.001	470.00	0.000	230.00	0.029
700.00	0.001	460.00	0.000	220.00	0.036
690.00	0.001	450.00	0.001	210.00	0.043
680.00	0.000	440.00	0.001	200.00	0.063
670.00	-0.001	430.00	0.001		

Sample Name: Sample 35 Rack 1 Tube 35 Collection Time 10/22/2019 3:44:

10/22/2019 3:44:19 PM

Peak Table

Peak Style Peaks Peak Threshold 0.0100

900.00nm to 200.00nm Range

Wavelength (nm) Abs 899.20 0.016 887.20 0.014 0.010 879.20 872.00

X-Y Pairs Table

10.00 Data Interval

Wavelength	(nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00		-0.017	660.00	0.000	420.00	-0.002
890.00		0.003	650.00	-0.001	410.00	-0.001
880.00		0.005	640.00	-0.001	400.00	-0.002
870.00		0.000	630.00	-0.001	390.00	0.000
860.00		0.000	620.00	-0.001	380.00	-0.001
850.00		-0.002	610.00	-0.001	370.00	0.000
840.00		-0.001	600.00	0.000	360.00	0.000
830.00		-0.001	590.00	-0.001	350.00	-0.001
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		0.001	560.00	-0.001	320.00	0.002
790.00		0.000	550.00	0.000	310.00	0.001
780.00		0.001	540.00	-0.001	300.00	0.003
770.00		0.001	530.00	0.000	290.00	0.005
760.00		0.001	520.00	-0.001	280.00	0.006
750.00		0.001	510.00	0.000	270.00	0.007
740.00		0.000	500.00	0.000	260.00	0.007
730.00		0.001	490.00	-0.001	250.00	0.007
720.00		0.001	480.00	-0.001	240.00	0.006
710.00		0.001	470.00	-0.001	230.00	0.008
700.00		0.001	460.00	-0.001	220.00	0.017
690.00		0.001	450.00	-0.001	210.00	0.023
680.00		0.001	440.00	-0.001	200.00	0.037
670.00		0.000	430.00	-0.001		

Sample Name: Sample 36 Rack 1 Tube 36

10/22/2019 3:47:31 PM Collection Time

Peak Table Peak Style

Peaks Peak Threshold 0.0100

Range 900.00nm to 200.00nm

Page 24 of 25 10/23/2019 8:24:19 AM

Wavelength	(nm)	Abs
896.00		-0.001
893.60		0.006
886.40		0.013
879.20		0.008
872.80		0.006

X-Y Pairs Table

10.00 Data Interval

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	-0.002	660.00	-0.001	420.00	0.002
890.00	0.000	650.00	-0.001	410.00	0.003
880.00	0.005	640.00	-0.001	400.00	0.004
870.00	0.004	630.00	-0.001	390.00	0.007
860.00	0.000	620.00	-0.001	380.00	0.008
850.00	0.000	610.00	-0.001	370.00	0.010
840.00	-0.001	600.00	0.000	360.00	0.012
830.00	-0.001	590.00	0.000	350.00	0.014
820.00	0.000	580.00	0.000	340.00	0.017
810.00	0.001	570.00	0.000	330.00	0.023
800.00	0.001	560.00	0.000	320.00	0.025
790.00	0.000	550.00	0.001	310.00	0.029
780.00	0.000	540.00	0.000	300.00	0.036
770.00	0.000	530.00	0.000	290.00	0.043
760.00	0.000	520.00	0.000	280.00	0.051
750.00	0.000	510.00	0.000	270.00	0.061
740.00	0.000	500.00	0.000	260.00	0.068
730.00	0.000	490.00	0.000	250.00	0.069
720.00	0.000	480.00	-0.001	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	0.119
690.00	-0.001	450.00	0.000	210.00	0.156
680.00	0.000	440.00	0.001	200.00	0.181
670.00	-0.002	430.00	0.002		

Sample Name: Sample 37 Rack 1 Tube 37 Collection Time 10/22/2019 3:50:43 PM

Peak Table Peak Style

Peaks Peak Threshold 0.0100

Range 900.00nm to 200.00nm

Wavelength	(nm)	Abs
899.20		0.023
897.60		0.012
889.60		0.015
887.20		0.015
879.20		0.008
328.00		0.069
314.40		0.081

X-Y Pairs Table

Wavelength (nm)	Abs	Wavelength (nm)	Abs	Wavelength (nm)	Abs
900.00	0.006	660.00	0.001	420.00	0.012
890.00	0.006	650.00	0.001	410.00	0.015
880.00	0.004	640.00	0.000	400.00	0.018
870.00	0.004	630.00	0.001	390.00	0.022
860.00	0.001	620.00	0.001	380.00	0.025
850.00	0.001	610.00	0.000	370.00	0.031
840.00	0.001	600.00	0.002	360.00	0.038
830.00	0.000	590.00	0.002	350.00	0.044
820.00	0.001	580.00	0.002	340.00	0.053
810.00	0.003	570.00	0.003	330.00	0.060
800.00	0.004	560.00	0.002	320.00	0.072
790.00	0.002	550.00	0.003	310.00	0.081
780.00	0.002	540.00	0.002	300.00	0.097
770.00	0.001	530.00	0.003	290.00	0.114
760.00	0.001	520.00	0.003	280.00	0.131
750.00	0.001	510.00	0.005	270.00	0.152

10/23/2019 8:24:19 AM Page 25 of 25

740.00	0.001	500.00	0.005	260.00	0.167
730.00	0.001	490.00	0.005	250.00	0.184
720.00	0.000	480.00	0.005	240.00	0.203
710.00	0.001	470.00	0.005	230.00	0.233
700.00	0.001	460.00	0.006	220.00	0.275
690.00	0.001	450.00	0.007	210.00	0.319
680.00	0.002	440.00	0.009	200.00	0.374
670.00	0.001	430.00	0.011		

Peak Table

Peak Style Peak Threshold Peaks

0.0100

900.00nm to 200.00nm Range

Wavelength (nm) Abs 0.016 0.012 0.007 0.008 0.010 0.010 899.20 0.016 896.00 894.40 887.20 883.20 880.80 346.40

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