

Effect of pH on phytoplankton growth

Eliza Kishan - 261211296
Eloise Barriault - *****
Clare Moore - *****

BIOL 111 SRP - McGill University

SRP Procedure

Materials

1. Phytoplankton culture
2. Acetic acid solution (0.1M)
3. Baking soda solution (used sodium bicarbonate, 0.1M)
4. Ethanol (95%)
5. Distilled water
6. 6 plastic cups
7. Vernier Spectral Analysis
8. Graduated cylinder
9. Pipettes
10. pH strips
11. Labelling tape and a sharpie
12. Funnels
13. Glass filters
14. Cuvettes
15. Paper towel
16. Vacuum hand pump
17. Waste container

Preparation of Phytoplankton in Test Tubes

1. Stir the phytoplankton container thoroughly so that homogeneity is ensured.
2. Using a syringe, extract a sample of 5mL from the culture.
3. Extract and dispense equal volumes of phytoplankton culture into each test tube.
4. Swirl (gently) the contents of each test tube.

Preparation of pH solutions

1. Label six clean plastic cups as pH 5, 5.5, 6, 6.5, 7.5, 8.
2. Measure 10 mL of distilled water into each cup using a graduated cylinder.
3. For the acidic solutions, add acetic acid using a pipette and mix thoroughly.
4. Measure the pH solution using a pH strip.
5. Carefully add drops until the pH has been reached.
6. For the basic solutions, add a baking soda solution with a pipette and mix thoroughly.
7. Measure the pH solution using a pH strip.
8. Carefully add drops until the pH has been reached.
9. Record in a sheet the volume of acetic acid and baking soda solution that was required to reach the desired pH.
10. Add 3.0 mL of ethanol to each of the pH solutions.
11. Mix thoroughly.
12. Place the plastic cups labelled by pH aside.
13. Confirm the pHs of each solution one more time using a pH strip for accuracy.
14. Cover the plastic cups with paper towels.

Mixing of pH Solutions with Phytoplankton Culture

1. Using a pipette, measure out 5 mL of distilled water into 6 test tubes of phytoplankton, with equal volumes of distilled water for each one.
2. These test tubes will be the “control” test tubes, with a pH of 7 (as it is distilled water).
3. Using a pipette, measure out 5 mL of pH solution into 3 test tubes of phytoplankton, with equal volumes of pH solution for each one.

4. Repeat steps 14 and 15 for each pH solution. There should be 24 test tubes, including the control solution test tubes.
5. Gently swirl each test tube to ensure that the contents are combined.
6. Let the test tubes sit in indirect sunlight for 6 days.

Chlorophyll Extraction using Vacuum Hand Pump

1. Attach a funnel to a vacuum hand pump.
2. Attach a flask under the funnel. This will collect the waste solution.
3. Insert a round filter paper in the funnel.
4. Transfer the content of an entire test tube into the funnel.
5. To ensure all of the contents have been added, rinse the test tube 1-2 times with ethanol and pour the contents into the funnel.
6. Pump the vacuum hand pump and extract the green solution through the filter.
7. Remove the filter paper from the funnel.
8. Place it into its corresponding test tube.
9. Add 11 mL of ethanol into the test tube.
10. Repeat steps 4-9 for every test tube.
11. After adding all the test tubes into a test tube rack, let them sit undisturbed in a refrigerator for at least one day. This will allow the chlorophyll to be completely extracted.

Blank Analysis

1. Gather the plastic cups containing the 6 pH solutions (5, 5.5, 6, 6.5, 7.5, 8) and distilled water (pH of 7).
2. Using a pipette, from a cup add solution to a cuvette until it is 2/3 full of solution.
3. Using the Vernier spectral analysis, analyse this cuvette in order to find the baseline absorbance values for each pH value.
4. Repeat steps 2-3 for each plastic cup of differing pH solutions and the distilled water.
5. Record the data.

Final Measurement of Chlorophyll

1. Calibrate the Vernier spectral analysis with 95% ethanol.
2. This will be the baseline before the samples of chlorophyll are measured.
3. Take a test tube and invert it several times.
4. Using a syringe, extract the chlorophyll solution.
5. Position the syringe over a cuvette and dispense the solution into the cuvette until it is 2/3 full.
6. Dispose of the remaining solution.
7. Measure the absorbance of the chlorophyll extract.
8. Record the values into a notebook.
9. Repeat steps 3-8 for each test tube.

Data Processing + Analysis

1. Using an excel sheet, enter the absorbance values for each test tube.
2. Determine error bars.
3. Using a bar graph, plot the relationship between pH and absorbance.

Graphs

Acid Spectroscopy Curves

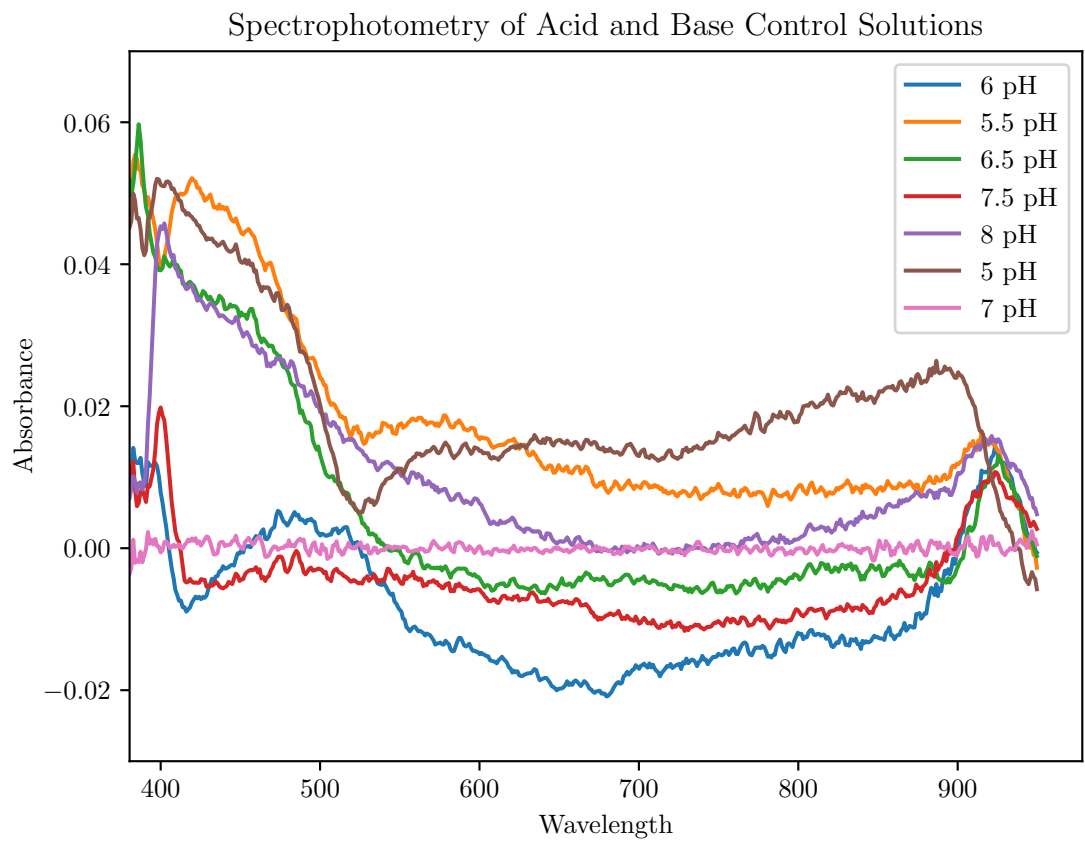


Figure 1: A PGF histogram from `matplotlib`.

Control Solution Spectroscopy Curves

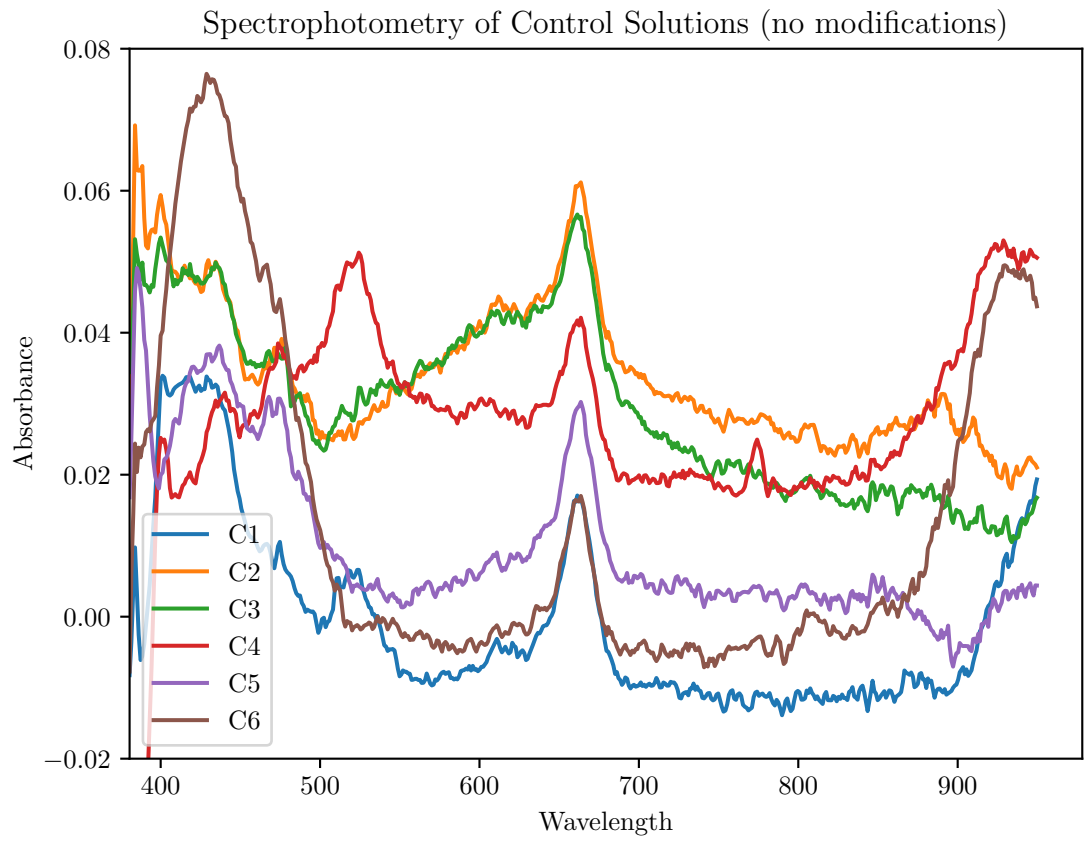


Figure 2: A PGF histogram from `matplotlib`.

5 pH Solution Spectroscopy Curves

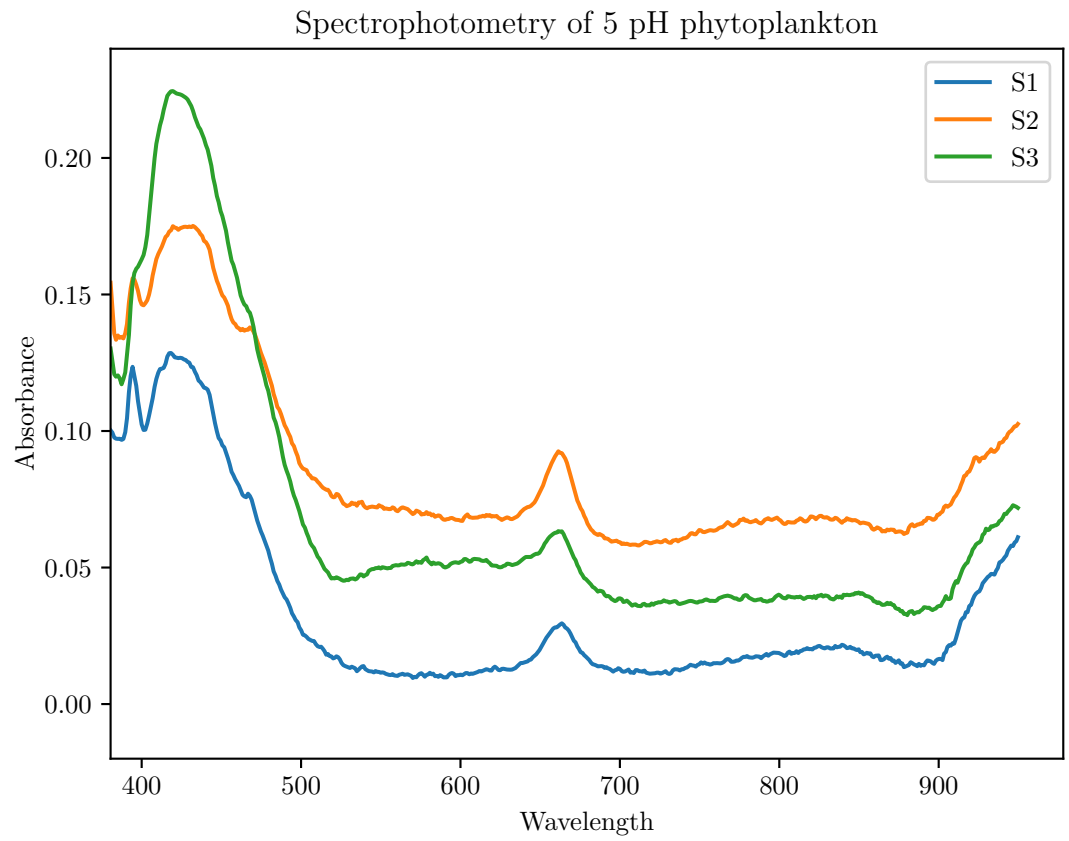


Figure 3: A PGF histogram from `matplotlib`.

5.5 pH Solution Spectroscopy Curves

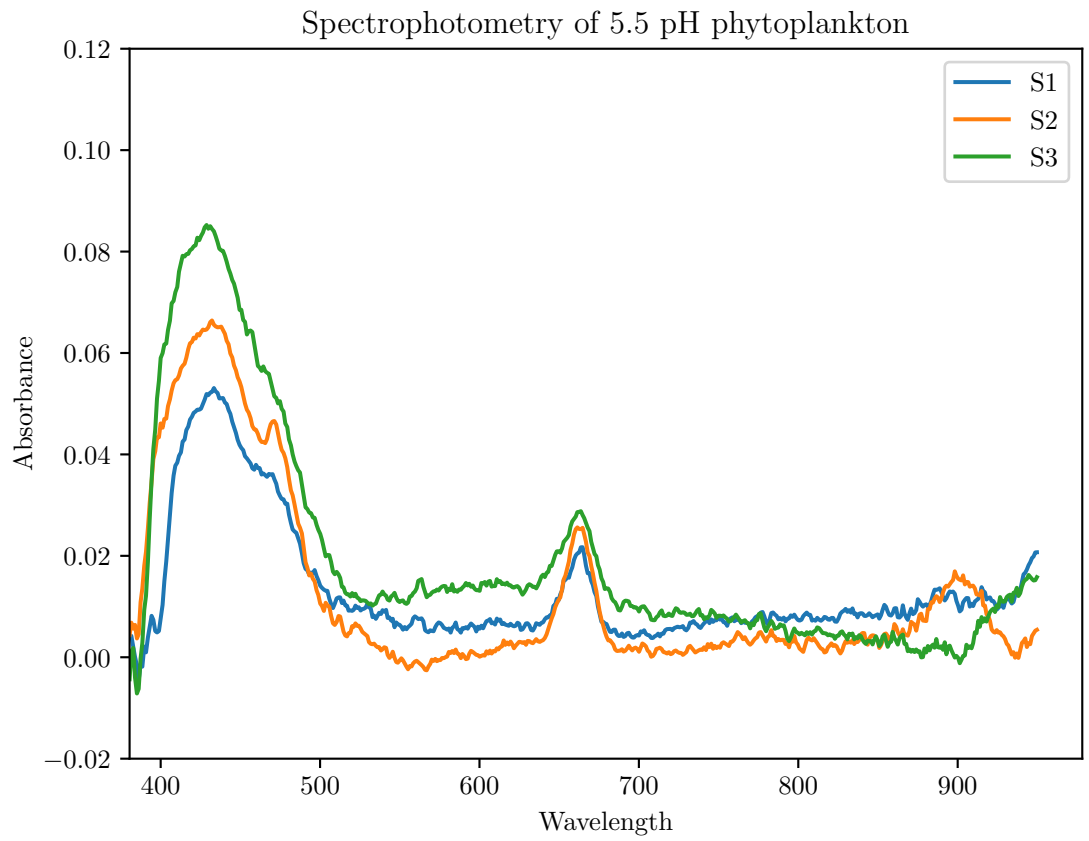


Figure 4: A PGF histogram from `matplotlib`.

6 pH Solution Spectroscopy Curves

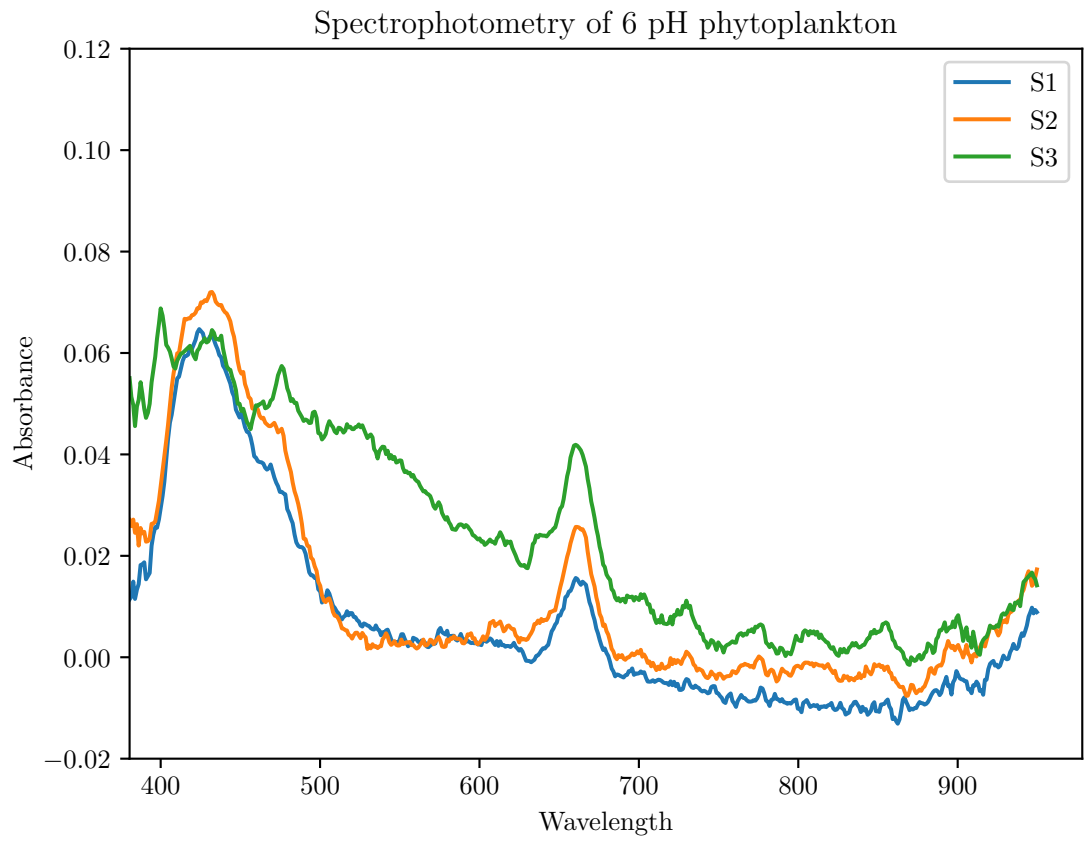


Figure 5: A PGF histogram from `matplotlib`.

6.5 pH Solution Spectroscopy Curves

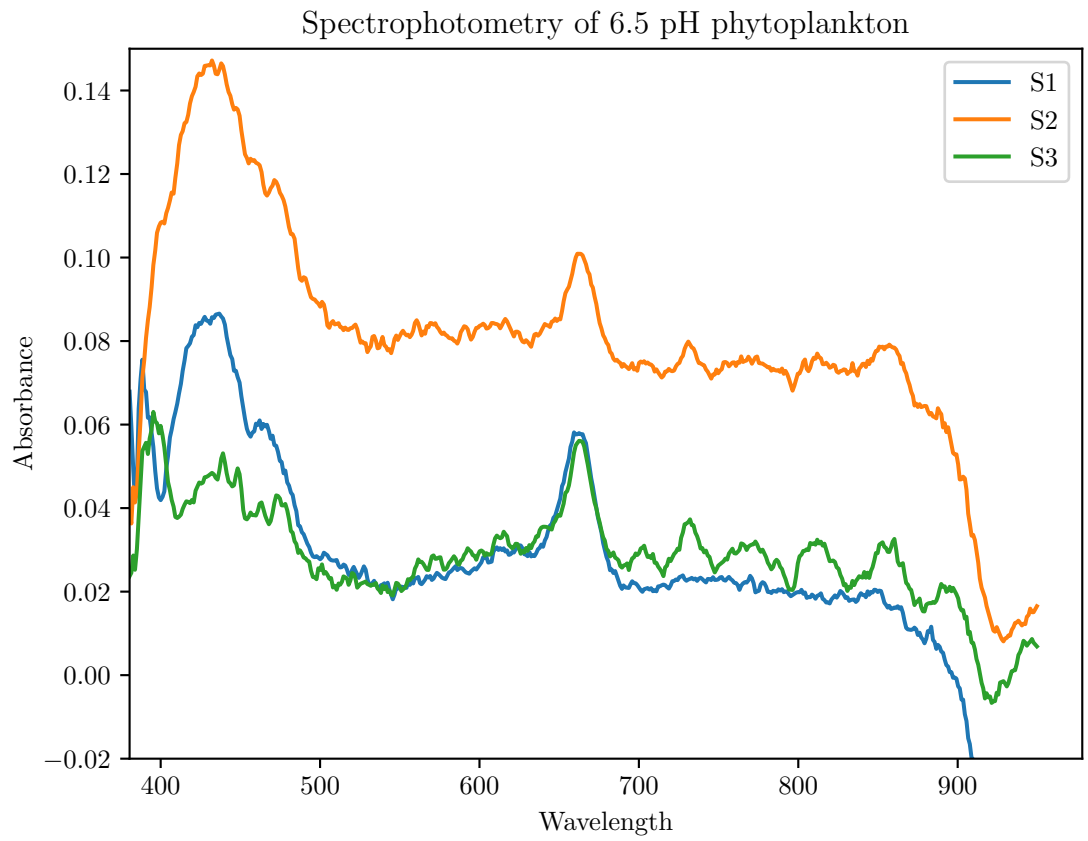


Figure 6: A PGF histogram from `matplotlib`.

7 pH Solution Spectroscopy Curves

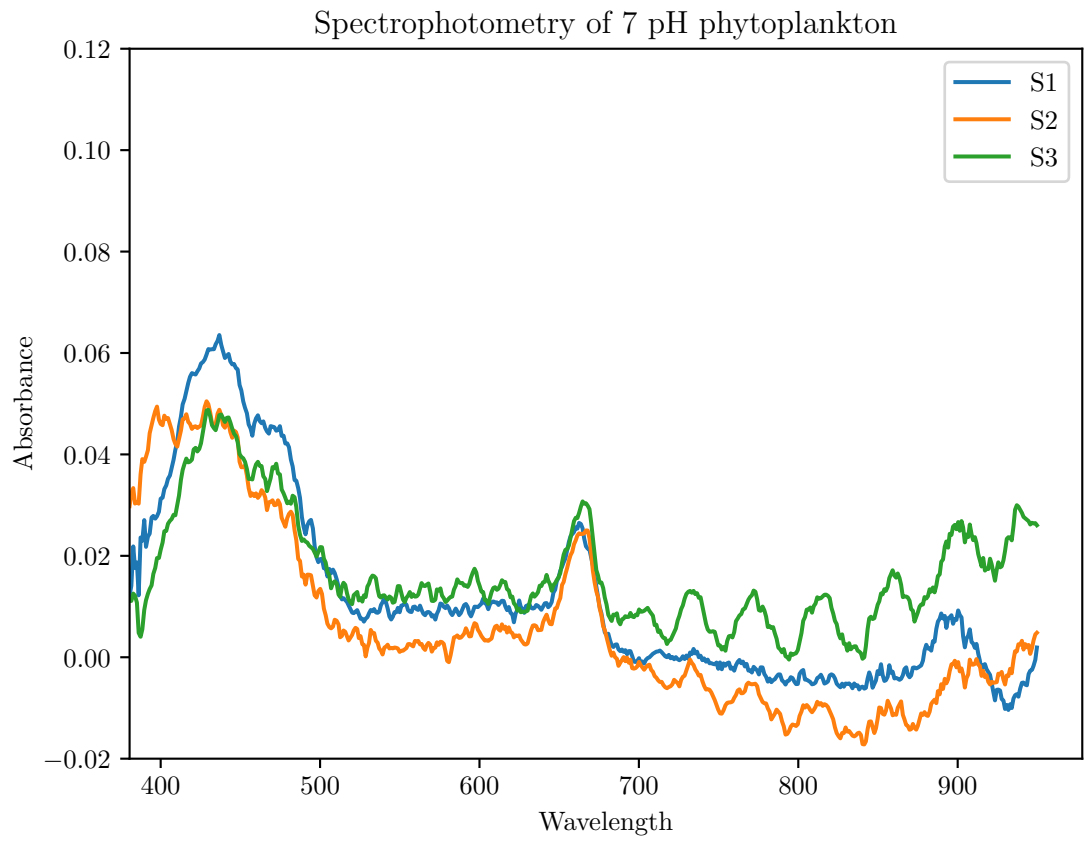


Figure 7: A PGF histogram from `matplotlib`.

7.5 pH Solution Spectroscopy Curves

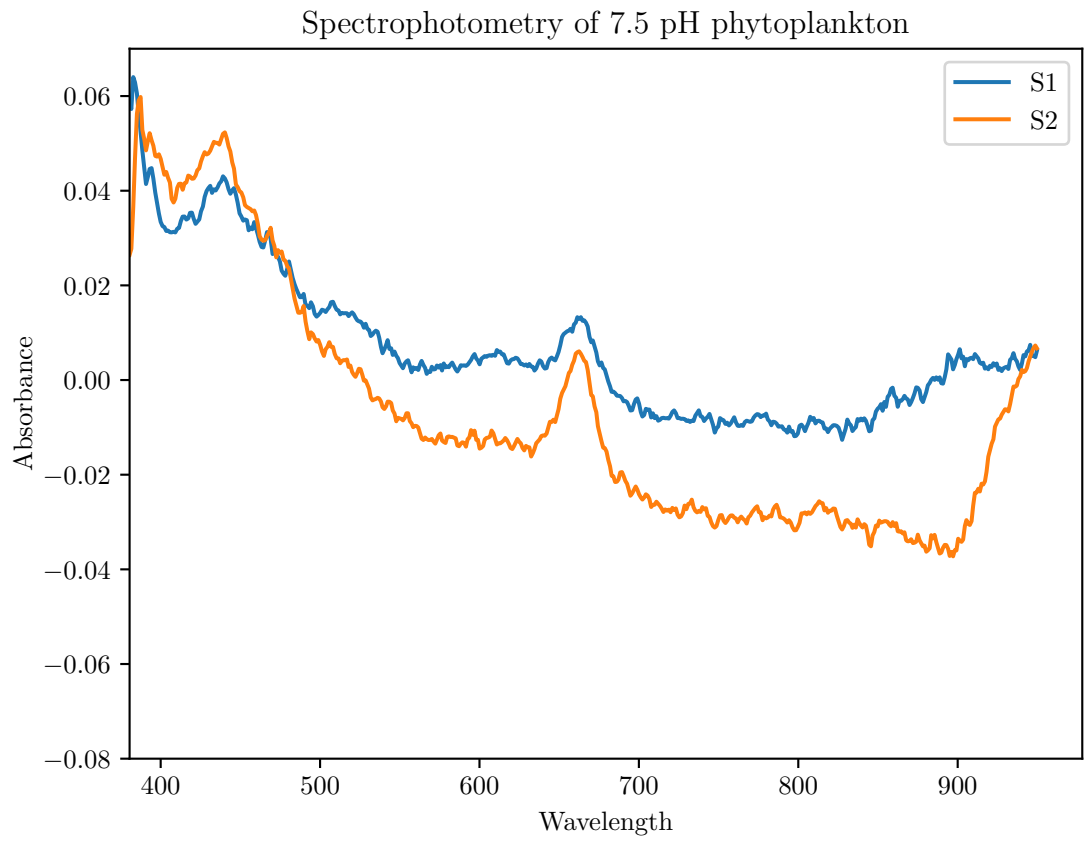


Figure 8: A PGF histogram from `matplotlib`.

8 pH Solution Spectroscopy Curves

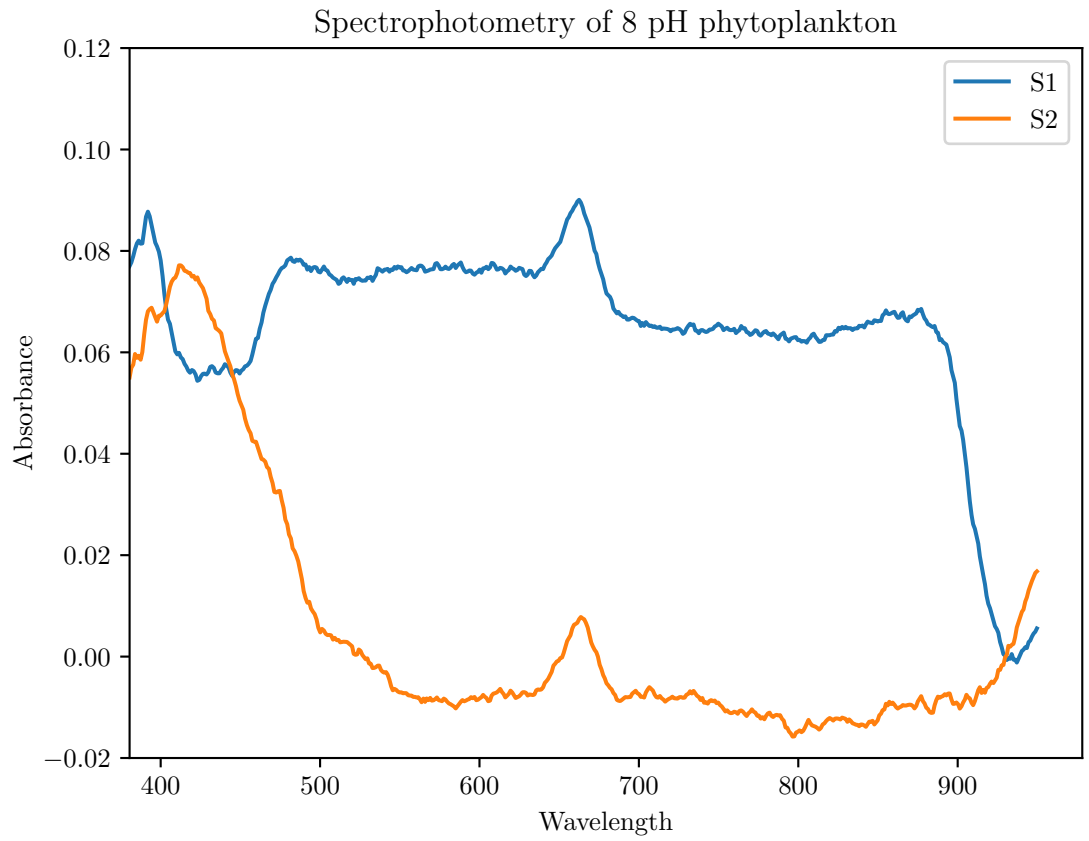


Figure 9: A PGF histogram from `matplotlib`.

390nm absorbance in chlorophyll

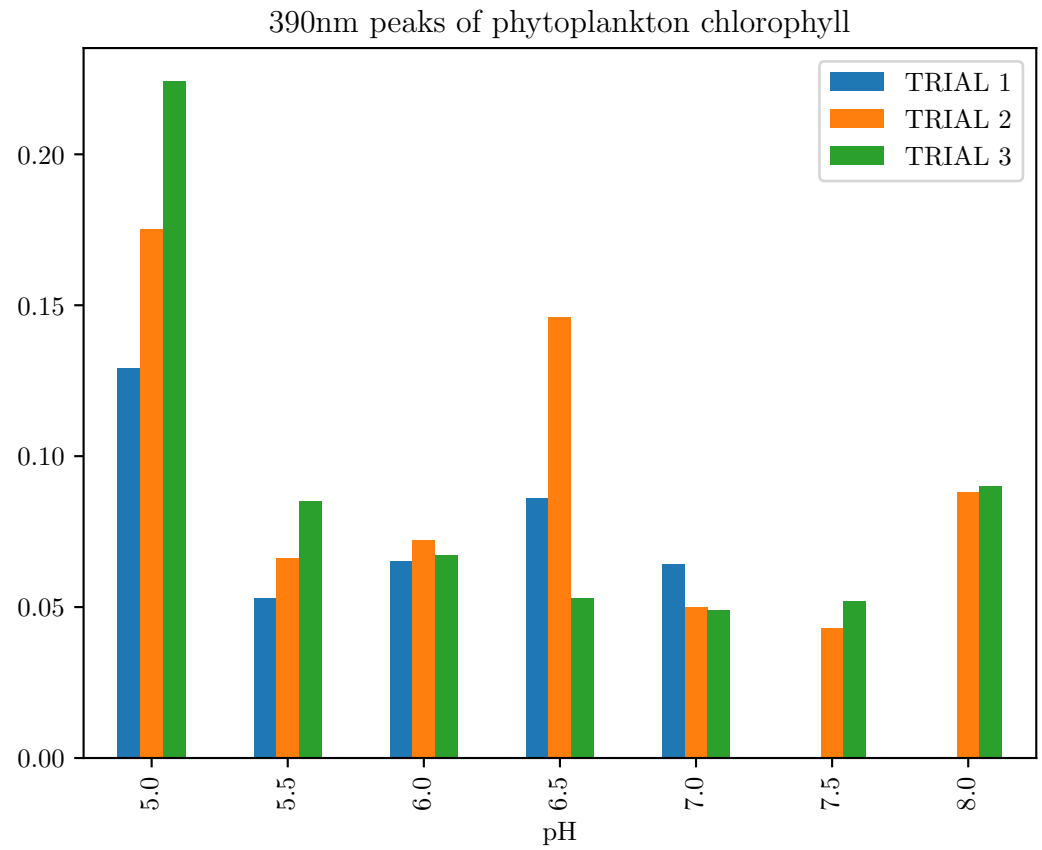


Figure 10: A PGF histogram from matplotlib.

660nm absorbance in chlorophyll

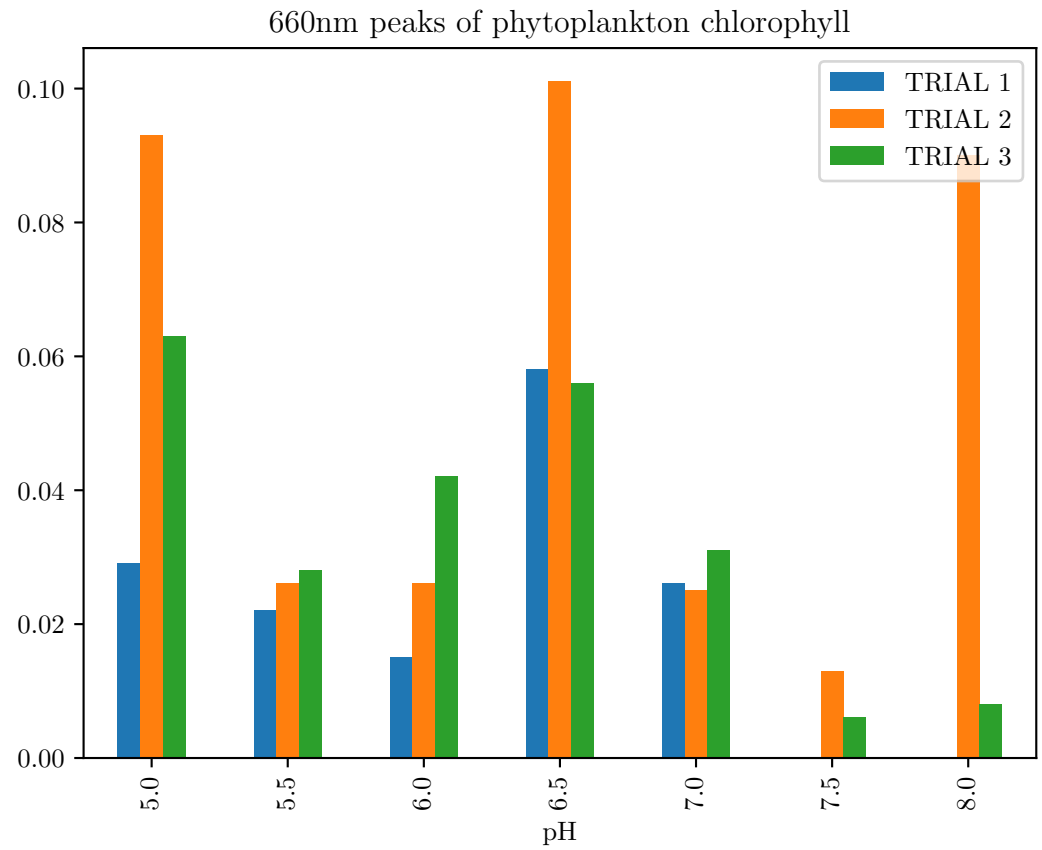


Figure 11: A PGF histogram from matplotlib.

Averages of absorbance in chlorophyll

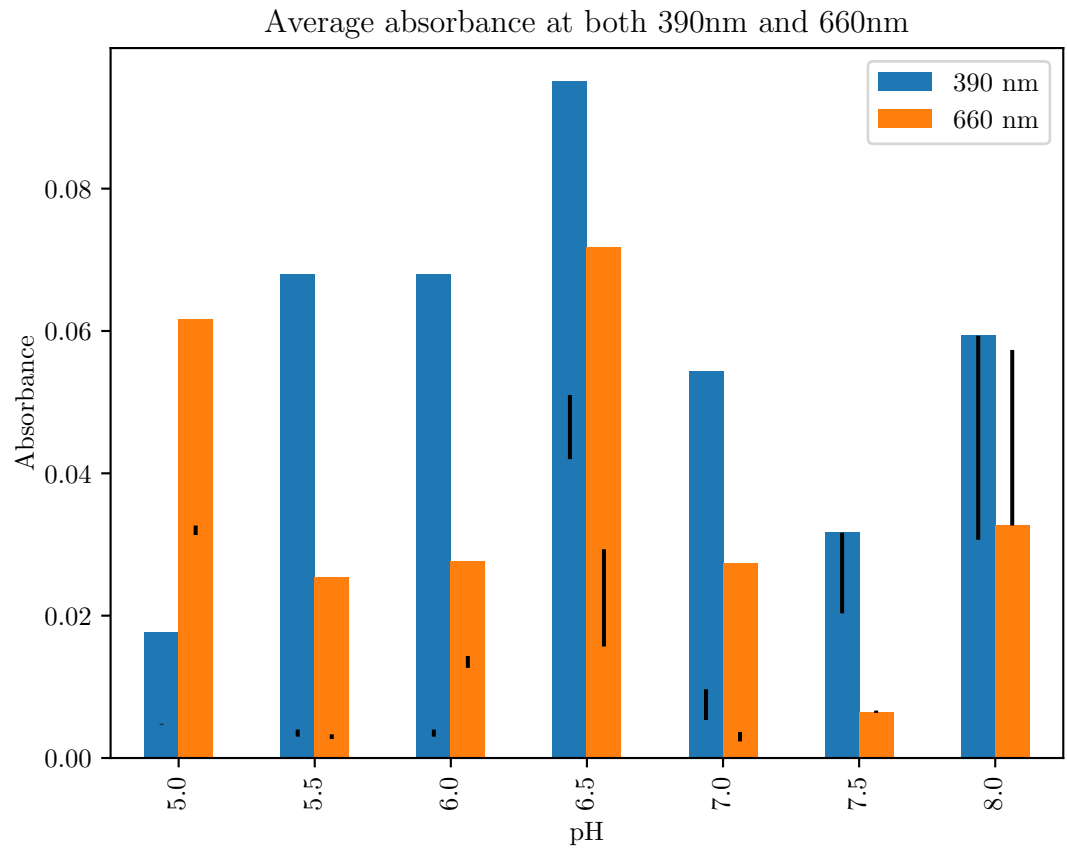


Figure 12: A PGF histogram from matplotlib.

Averages of concentration of chlorophyll

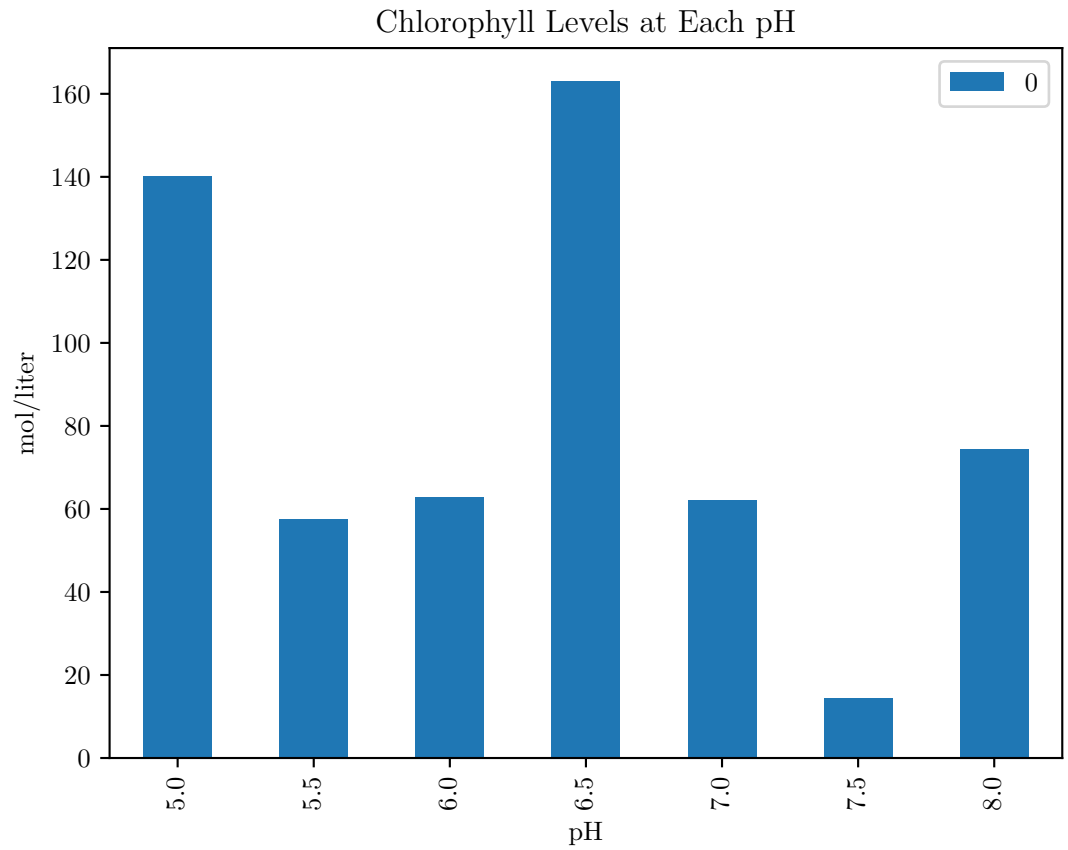


Figure 13: A PGF histogram from `matplotlib`.

Appendix

This contains all datasets presented in a tabular format.

Appendix 1 - Acid Spectroscopy Curves

Appendix 2 - Control Solution Spectroscopy Curves

Appendix 3 - 5 pH Solution Spectroscopy Curves

Appendix 4 - 5.5 pH Solution Spectroscopy Curves

Appendix 5 - 6 pH Solution Spectroscopy Curves

Appendix 6 - 6.5 pH Solution Spectroscopy Curves

Appendix 7 - 7 pH Solution Spectroscopy Curves

Appendix 8 - 7.5 pH Solution Spectroscopy Curves

Appendix 9 - 8 pH Solution Spectroscopy Curves

Acid Spectroscopy Curves

Wavelength (nm)	5 pH	5.5 pH	6 pH	6.5 pH	7 pH	7.5 pH	8 pH
380.5	4.52E-02	4.87E-02	7.62E-03	5.18E-02	-3.60E-03	1.03E-02	7.06E-03
381.6	4.61E-02	5.05E-02	9.20E-03	4.97E-02	-2.70E-03	1.08E-02	8.42E-03
382.8	4.99E-02	5.44E-02	1.41E-02	5.13E-02	1.19E-03	1.22E-02	1.01E-02
383.9	4.90E-02	5.54E-02	1.24E-02	5.35E-02	-2.07E-03	8.39E-03	9.37E-03
385.1	4.64E-02	5.49E-02	1.20E-02	5.67E-02	-1.65E-03	5.92E-03	7.84E-03
386.2	4.65E-02	5.34E-02	1.20E-02	5.97E-02	-1.96E-03	6.34E-03	9.17E-03
387.4	4.49E-02	5.32E-02	1.27E-02	5.74E-02	-4.85E-04	7.96E-03	9.28E-03
388.5	4.23E-02	5.11E-02	1.05E-02	5.39E-02	-1.98E-03	8.20E-03	8.27E-03
389.7	4.13E-02	5.05E-02	9.25E-03	5.06E-02	-9.58E-04	7.42E-03	9.22E-03
390.8	4.19E-02	4.83E-02	8.75E-03	4.81E-02	-9.29E-05	6.51E-03	1.10E-02
392	4.62E-02	4.95E-02	1.21E-02	4.69E-02	2.29E-03	8.82E-03	1.73E-02
393.1	4.66E-02	4.85E-02	1.17E-02	4.44E-02	6.16E-04	8.70E-03	2.14E-02
394.3	4.77E-02	4.75E-02	1.16E-02	4.31E-02	1.21E-03	9.98E-03	2.73E-02
395.4	4.91E-02	4.62E-02	1.15E-02	4.16E-02	5.14E-04	1.11E-02	3.32E-02
396.6	5.12E-02	4.49E-02	1.21E-02	4.10E-02	1.33E-03	1.38E-02	3.85E-02
397.7	5.20E-02	4.31E-02	1.16E-02	3.98E-02	3.07E-04	1.74E-02	4.28E-02
398.9	5.19E-02	4.07E-02	1.01E-02	3.92E-02	2.18E-04	1.91E-02	4.43E-02
400	5.12E-02	3.97E-02	7.87E-03	3.91E-02	-5.97E-04	1.98E-02	4.54E-02
401.2	5.10E-02	4.02E-02	6.38E-03	3.95E-02	-2.89E-04	1.87E-02	4.50E-02
402.3	5.10E-02	4.12E-02	4.60E-03	4.11E-02	8.46E-04	1.80E-02	4.57E-02
403.5	5.16E-02	4.24E-02	2.95E-03	4.05E-02	9.65E-04	1.54E-02	4.45E-02
404.6	5.17E-02	4.37E-02	7.81E-04	4.00E-02	6.42E-04	1.24E-02	4.30E-02
405.8	5.14E-02	4.54E-02	-1.08E-03	3.97E-02	-6.14E-06	9.10E-03	4.18E-02
406.9	5.06E-02	4.73E-02	-2.79E-03	4.00E-02	1.53E-04	6.56E-03	4.10E-02
408.1	5.07E-02	4.84E-02	-4.20E-03	4.08E-02	4.90E-04	4.33E-03	4.13E-02
409.2	5.00E-02	4.94E-02	-5.88E-03	3.97E-02	1.73E-04	2.37E-03	3.95E-02
410.4	4.97E-02	4.92E-02	-6.59E-03	3.99E-02	3.26E-04	1.26E-03	3.91E-02
411.5	4.90E-02	4.98E-02	-7.39E-03	3.92E-02	5.38E-04	9.04E-04	3.82E-02
412.7	4.89E-02	5.00E-02	-7.37E-03	3.91E-02	8.25E-05	-5.77E-04	3.83E-02
413.8	4.76E-02	4.98E-02	-8.29E-03	3.73E-02	-5.31E-05	-2.59E-03	3.77E-02
415	4.75E-02	5.00E-02	-8.32E-03	3.72E-02	4.39E-04	-4.56E-03	3.70E-02
416.1	4.70E-02	5.02E-02	-8.94E-03	3.67E-02	7.27E-04	-4.83E-03	3.65E-02
417.3	4.72E-02	5.11E-02	-8.60E-03	3.74E-02	1.22E-03	-4.72E-03	3.66E-02
418.4	4.69E-02	5.17E-02	-8.35E-03	3.75E-02	9.87E-04	-4.32E-03	3.70E-02
419.6	4.67E-02	5.21E-02	-7.63E-03	3.72E-02	1.38E-03	-4.71E-03	3.71E-02
420.7	4.63E-02	5.18E-02	-7.24E-03	3.70E-02	1.04E-03	-4.88E-03	3.62E-02
421.9	4.61E-02	5.16E-02	-6.81E-03	3.64E-02	1.41E-03	-4.82E-03	3.57E-02
423	4.55E-02	5.07E-02	-7.07E-03	3.58E-02	6.72E-04	-4.88E-03	3.48E-02
424.2	4.54E-02	5.08E-02	-6.84E-03	3.52E-02	9.72E-04	-4.86E-03	3.51E-02
425.3	4.48E-02	5.01E-02	-7.18E-03	3.54E-02	3.55E-04	-4.35E-03	3.49E-02
426.5	4.44E-02	4.98E-02	-6.85E-03	3.62E-02	7.83E-04	-4.45E-03	3.45E-02
427.6	4.41E-02	4.89E-02	-6.99E-03	3.60E-02	1.21E-03	-4.45E-03	3.40E-02
428.8	4.34E-02	4.91E-02	-6.65E-03	3.55E-02	1.66E-03	-5.45E-03	3.36E-02
429.9	4.37E-02	4.95E-02	-5.77E-03	3.50E-02	1.54E-03	-5.37E-03	3.42E-02
431.1	4.35E-02	4.98E-02	-4.99E-03	3.54E-02	8.12E-04	-5.23E-03	3.45E-02
432.2	4.36E-02	4.90E-02	-4.31E-03	3.49E-02	-4.56E-06	-5.30E-03	3.44E-02
433.4	4.31E-02	4.80E-02	-4.74E-03	3.44E-02	-9.04E-04	-5.11E-03	3.40E-02
434.5	4.30E-02	4.81E-02	-3.98E-03	3.44E-02	-8.52E-04	-4.70E-03	3.37E-02
435.7	4.26E-02	4.78E-02	-3.92E-03	3.47E-02	-6.86E-04	-4.94E-03	3.32E-02
436.8	4.27E-02	4.84E-02	-3.27E-03	3.56E-02	6.94E-04	-5.37E-03	3.26E-02
438	4.30E-02	4.78E-02	-3.17E-03	3.53E-02	8.87E-04	-5.57E-03	3.28E-02
439.1	4.32E-02	4.81E-02	-2.53E-03	3.50E-02	8.77E-04	-5.66E-03	3.28E-02
440.3	4.27E-02	4.77E-02	-2.87E-03	3.37E-02	2.92E-04	-5.48E-03	3.25E-02
441.4	4.21E-02	4.80E-02	-2.84E-03	3.37E-02	4.30E-04	-5.35E-03	3.22E-02
442.6	4.19E-02	4.73E-02	-2.66E-03	3.39E-02	4.77E-04	-4.75E-03	3.20E-02
443.7	4.17E-02	4.66E-02	-2.45E-03	3.43E-02	5.09E-04	-4.87E-03	3.19E-02
444.9	4.19E-02	4.61E-02	-2.34E-03	3.40E-02	1.03E-03	-5.06E-03	3.17E-02
446	4.22E-02	4.60E-02	-2.45E-03	3.41E-02	1.08E-03	-4.27E-03	3.19E-02
447.2	4.28E-02	4.65E-02	-1.48E-03	3.41E-02	1.77E-03	-3.57E-03	3.26E-02
448.3	4.17E-02	4.57E-02	-7.09E-04	3.37E-02	7.37E-04	-3.82E-03	3.23E-02
449.5	4.06E-02	4.50E-02	-7.70E-04	3.26E-02	3.01E-04	-4.62E-03	3.11E-02
450.6	4.02E-02	4.44E-02	-3.00E-04	3.32E-02	2.78E-05	-4.41E-03	3.06E-02
451.8	4.02E-02	4.42E-02	-6.20E-04	3.28E-02	-1.33E-04	-4.35E-03	2.98E-02
452.9	4.07E-02	4.46E-02	3.49E-04	3.29E-02	8.80E-04	-3.67E-03	3.02E-02
454.1	4.00E-02	4.48E-02	2.40E-04	3.23E-02	1.14E-03	-3.35E-03	3.05E-02
455.2	4.06E-02	4.50E-02	3.04E-04	3.32E-02	1.46E-03	-3.19E-03	3.00E-02
456.4	3.99E-02	4.46E-02	1.27E-04	3.37E-02	1.02E-03	-3.06E-03	2.94E-02
457.5	4.01E-02	4.42E-02	6.59E-04	3.37E-02	5.66E-04	-3.11E-03	2.85E-02
458.7	3.90E-02	4.39E-02	1.31E-03	3.26E-02	6.68E-04	-3.00E-03	2.84E-02
459.8	3.91E-02	4.30E-02	1.73E-03	3.22E-02	1.12E-03	-2.67E-03	2.86E-02
461	3.75E-02	4.20E-02	1.43E-03	3.03E-02	1.49E-03	-3.43E-03	2.77E-02

Acid Spectroscopy Curves

462.1	3.70E-02	4.12E-02	1.75E-03	2.97E-02	1.66E-03	-2.96E-03	2.74E-02
463.3	3.62E-02	4.06E-02	2.34E-03	2.90E-02	9.57E-04	-4.27E-03	2.81E-02
464.4	3.68E-02	4.02E-02	2.67E-03	2.95E-02	6.71E-05	-4.03E-03	2.76E-02
465.6	3.67E-02	3.92E-02	1.32E-03	2.92E-02	-1.19E-03	-4.62E-03	2.74E-02
466.7	3.68E-02	4.00E-02	1.26E-03	2.88E-02	-1.22E-03	-4.07E-03	2.56E-02
467.9	3.66E-02	4.01E-02	1.64E-03	2.84E-02	-9.92E-04	-3.94E-03	2.60E-02
469	3.60E-02	4.02E-02	2.44E-03	2.86E-02	-4.23E-04	-3.17E-03	2.56E-02
470.2	3.53E-02	3.94E-02	2.81E-03	2.85E-02	-6.93E-06	-2.70E-03	2.62E-02
471.3	3.48E-02	3.84E-02	2.95E-03	2.76E-02	2.64E-04	-2.02E-03	2.59E-02
472.5	3.59E-02	3.76E-02	4.58E-03	2.75E-02	1.87E-04	-1.79E-03	2.68E-02
473.6	3.59E-02	3.69E-02	5.27E-03	2.71E-02	-2.43E-04	-1.23E-03	2.66E-02
474.8	3.52E-02	3.64E-02	5.07E-03	2.71E-02	-5.40E-05	-1.15E-03	2.68E-02
475.9	3.35E-02	3.51E-02	4.38E-03	2.61E-02	7.46E-05	-1.23E-03	2.65E-02
477.1	3.36E-02	3.45E-02	3.78E-03	2.55E-02	4.78E-05	-1.90E-03	2.65E-02
478.2	3.38E-02	3.35E-02	3.59E-03	2.55E-02	3.99E-04	-3.11E-03	2.57E-02
479.4	3.43E-02	3.31E-02	3.18E-03	2.50E-02	2.52E-04	-3.39E-03	2.54E-02
480.5	3.39E-02	3.25E-02	3.57E-03	2.45E-02	1.12E-03	-3.04E-03	2.55E-02
481.7	3.24E-02	3.20E-02	4.07E-03	2.33E-02	2.61E-04	-2.41E-03	2.64E-02
482.8	3.17E-02	3.28E-02	4.59E-03	2.30E-02	4.60E-04	-1.41E-03	2.61E-02
484	3.10E-02	3.25E-02	5.10E-03	2.29E-02	2.61E-04	-7.89E-04	2.54E-02
485.1	3.06E-02	3.23E-02	4.60E-03	2.16E-02	8.07E-04	-3.75E-04	2.41E-02
486.3	2.89E-02	3.04E-02	4.72E-03	2.08E-02	1.13E-03	-7.23E-04	2.30E-02
487.4	2.77E-02	2.91E-02	4.01E-03	1.91E-02	1.35E-03	-1.86E-03	2.30E-02
488.6	2.78E-02	2.86E-02	4.07E-03	1.94E-02	1.05E-03	-2.27E-03	2.27E-02
489.7	2.75E-02	2.83E-02	3.85E-03	1.86E-02	1.23E-03	-3.36E-03	2.28E-02
490.9	2.72E-02	2.76E-02	3.50E-03	1.78E-02	-1.13E-04	-3.68E-03	2.14E-02
492	2.63E-02	2.67E-02	4.01E-03	1.77E-02	-4.76E-04	-3.35E-03	2.15E-02
493.2	2.59E-02	2.68E-02	3.96E-03	1.77E-02	-1.04E-03	-2.88E-03	2.17E-02
494.3	2.48E-02	2.67E-02	4.15E-03	1.72E-02	-9.92E-05	-2.72E-03	2.21E-02
495.5	2.39E-02	2.68E-02	3.81E-03	1.52E-02	6.38E-04	-3.17E-03	2.16E-02
496.6	2.29E-02	2.64E-02	3.70E-03	1.45E-02	8.43E-04	-3.09E-03	2.07E-02
497.8	2.20E-02	2.54E-02	2.44E-03	1.39E-02	-3.95E-04	-3.01E-03	2.00E-02
498.9	2.12E-02	2.49E-02	2.16E-03	1.43E-02	-5.25E-04	-2.86E-03	2.02E-02
500.1	2.01E-02	2.39E-02	1.77E-03	1.31E-02	-8.58E-04	-2.96E-03	1.92E-02
501.2	1.90E-02	2.38E-02	2.04E-03	1.22E-02	5.66E-04	-3.04E-03	1.90E-02
502.4	1.77E-02	2.30E-02	1.91E-03	1.12E-02	-2.10E-04	-3.51E-03	1.81E-02
503.5	1.66E-02	2.30E-02	1.76E-03	1.05E-02	-4.99E-05	-3.33E-03	1.89E-02
504.6	1.60E-02	2.15E-02	1.78E-03	1.02E-02	-1.52E-03	-4.28E-03	1.78E-02
505.8	1.47E-02	2.07E-02	1.95E-03	9.98E-03	-1.23E-03	-4.35E-03	1.74E-02
506.9	1.39E-02	2.02E-02	1.90E-03	1.01E-02	-1.16E-03	-4.66E-03	1.72E-02
508.1	1.33E-02	2.04E-02	2.67E-03	1.02E-02	3.93E-04	-3.40E-03	1.78E-02
509.2	1.23E-02	2.02E-02	2.63E-03	9.45E-03	3.67E-04	-3.04E-03	1.77E-02
510.4	1.13E-02	1.96E-02	2.81E-03	9.50E-03	9.62E-04	-2.91E-03	1.70E-02
511.6	9.34E-03	1.92E-02	2.09E-03	8.87E-03	-3.99E-04	-3.37E-03	1.70E-02
512.6	8.48E-03	1.85E-02	2.39E-03	9.23E-03	-2.91E-04	-3.48E-03	1.62E-02
513.7	8.03E-03	1.86E-02	2.53E-03	8.27E-03	-9.23E-04	-3.60E-03	1.59E-02
514.7	7.57E-03	1.83E-02	2.84E-03	8.02E-03	-8.30E-04	-3.91E-03	1.49E-02
515.8	7.82E-03	1.84E-02	2.98E-03	7.76E-03	-1.37E-04	-3.98E-03	1.53E-02
516.9	6.94E-03	1.71E-02	2.96E-03	7.84E-03	1.75E-04	-4.19E-03	1.52E-02
517.9	7.24E-03	1.65E-02	2.13E-03	7.57E-03	7.59E-04	-4.37E-03	1.54E-02
519	6.41E-03	1.57E-02	1.44E-03	6.43E-03	1.55E-04	-4.70E-03	1.52E-02
520.1	6.44E-03	1.60E-02	5.89E-04	6.21E-03	-2.28E-05	-4.69E-03	1.54E-02
521.1	6.24E-03	1.70E-02	7.86E-04	5.85E-03	5.63E-05	-4.49E-03	1.52E-02
522.2	5.44E-03	1.68E-02	5.92E-04	5.65E-03	-4.69E-05	-4.61E-03	1.47E-02
523.3	5.36E-03	1.72E-02	8.90E-04	5.26E-03	4.55E-04	-4.84E-03	1.42E-02
524.3	5.01E-03	1.63E-02	3.04E-04	4.88E-03	4.99E-04	-4.96E-03	1.41E-02
525.4	5.13E-03	1.63E-02	-3.20E-04	4.52E-03	8.42E-04	-4.85E-03	1.38E-02
526.5	5.06E-03	1.52E-02	-1.23E-03	3.48E-03	-3.05E-05	-4.99E-03	1.37E-02
527.5	5.73E-03	1.47E-02	-1.01E-03	3.47E-03	2.18E-04	-4.35E-03	1.32E-02
528.6	6.71E-03	1.48E-02	-1.05E-03	2.98E-03	-3.87E-05	-4.20E-03	1.31E-02
529.7	6.75E-03	1.56E-02	-1.85E-03	2.88E-03	4.30E-04	-3.92E-03	1.27E-02
530.7	6.99E-03	1.61E-02	-2.98E-03	1.98E-03	-7.18E-04	-4.61E-03	1.22E-02
531.8	6.48E-03	1.59E-02	-3.66E-03	1.92E-03	-7.56E-04	-4.31E-03	1.23E-02
532.9	6.74E-03	1.57E-02	-3.55E-03	2.10E-03	-4.33E-04	-4.18E-03	1.22E-02
533.9	6.08E-03	1.59E-02	-3.75E-03	1.86E-03	9.00E-05	-3.71E-03	1.22E-02
535	6.39E-03	1.64E-02	-4.31E-03	1.81E-03	5.15E-05	-4.09E-03	1.14E-02
536.1	6.90E-03	1.63E-02	-4.93E-03	8.93E-04	-6.98E-04	-4.73E-03	1.10E-02
537.1	7.78E-03	1.63E-02	-5.08E-03	1.23E-03	-4.57E-04	-4.50E-03	1.12E-02
538.2	8.51E-03	1.65E-02	-5.16E-03	5.66E-04	-3.17E-04	-4.67E-03	1.15E-02
539.2	9.01E-03	1.77E-02	-5.15E-03	7.15E-04	-1.84E-04	-4.40E-03	1.19E-02
540.3	9.16E-03	1.76E-02	-4.94E-03	2.98E-04	-2.68E-04	-4.58E-03	1.19E-02
541.4	9.69E-03	1.75E-02	-5.44E-03	3.47E-04	-3.00E-05	-3.61E-03	1.21E-02

Acid Spectroscopy Curves

542.4	9.80E-03	1.72E-02	-5.88E-03	-8.57E-05	3.56E-04	-2.87E-03	1.22E-02
543.5	9.89E-03	1.71E-02	-6.33E-03	-3.24E-04	2.26E-04	-2.97E-03	1.19E-02
544.6	9.96E-03	1.72E-02	-6.58E-03	-3.64E-04	1.35E-04	-3.56E-03	1.18E-02
545.6	1.03E-02	1.62E-02	-6.39E-03	-3.00E-04	-9.85E-05	-3.81E-03	1.15E-02
546.7	1.07E-02	1.62E-02	-7.53E-03	-2.34E-04	2.51E-04	-4.32E-03	1.13E-02
547.8	1.07E-02	1.61E-02	-7.78E-03	-2.82E-04	1.09E-04	-3.81E-03	1.12E-02
548.8	1.13E-02	1.72E-02	-8.27E-03	-3.17E-04	1.78E-04	-4.16E-03	1.09E-02
549.9	1.12E-02	1.75E-02	-8.66E-03	-3.03E-04	3.87E-05	-4.67E-03	1.06E-02
551	1.12E-02	1.76E-02	-8.91E-03	-9.30E-04	6.69E-05	-5.01E-03	1.02E-02
552	1.04E-02	1.70E-02	-9.92E-03	-1.13E-03	2.51E-04	-5.02E-03	1.03E-02
553.1	1.09E-02	1.72E-02	-1.01E-02	-1.91E-03	1.79E-04	-3.92E-03	9.87E-03
554.2	1.16E-02	1.73E-02	-1.11E-02	-1.89E-03	1.08E-04	-4.34E-03	9.63E-03
555.2	1.21E-02	1.77E-02	-1.13E-02	-2.15E-03	-4.14E-04	-4.07E-03	9.18E-03
556.3	1.24E-02	1.78E-02	-1.17E-02	-1.55E-03	-4.69E-04	-3.94E-03	1.00E-02
557.4	1.24E-02	1.82E-02	-1.14E-02	-1.09E-03	-4.98E-04	-3.80E-03	1.07E-02
558.4	1.28E-02	1.83E-02	-1.11E-02	-7.33E-04	-3.94E-04	-3.31E-03	1.07E-02
559.5	1.28E-02	1.80E-02	-1.10E-02	-6.93E-04	-2.89E-04	-4.29E-03	1.05E-02
560.6	1.34E-02	1.80E-02	-1.14E-02	-7.23E-04	-2.57E-04	-4.10E-03	9.90E-03
561.6	1.33E-02	1.84E-02	-1.17E-02	-7.38E-04	-3.65E-04	-4.48E-03	1.05E-02
562.7	1.33E-02	1.84E-02	-1.16E-02	-1.32E-03	5.55E-06	-4.25E-03	1.01E-02
563.7	1.30E-02	1.83E-02	-1.18E-02	-2.20E-03	-1.71E-04	-4.41E-03	1.01E-02
564.8	1.31E-02	1.78E-02	-1.19E-02	-2.80E-03	-1.08E-04	-5.36E-03	8.97E-03
565.9	1.33E-02	1.79E-02	-1.23E-02	-2.86E-03	-5.17E-04	-5.10E-03	9.11E-03
566.9	1.37E-02	1.74E-02	-1.20E-02	-2.40E-03	-4.34E-04	-5.22E-03	8.98E-03
568	1.36E-02	1.77E-02	-1.21E-02	-2.41E-03	-4.15E-04	-4.74E-03	9.47E-03
569.1	1.37E-02	1.77E-02	-1.23E-02	-2.71E-03	1.98E-05	-4.72E-03	9.20E-03
570.1	1.40E-02	1.77E-02	-1.26E-02	-2.79E-03	6.67E-04	-4.73E-03	8.65E-03
571.2	1.43E-02	1.76E-02	-1.30E-02	-2.74E-03	1.03E-03	-4.50E-03	8.89E-03
572.3	1.40E-02	1.73E-02	-1.36E-02	-2.84E-03	6.47E-04	-4.85E-03	8.15E-03
573.3	1.35E-02	1.76E-02	-1.34E-02	-2.71E-03	4.32E-04	-4.75E-03	8.61E-03
574.4	1.34E-02	1.72E-02	-1.34E-02	-2.86E-03	6.60E-05	-5.25E-03	7.84E-03
575.5	1.36E-02	1.76E-02	-1.33E-02	-2.66E-03	-5.34E-06	-5.26E-03	8.17E-03
576.5	1.40E-02	1.79E-02	-1.35E-02	-3.14E-03	-2.00E-04	-5.64E-03	8.11E-03
577.6	1.45E-02	1.87E-02	-1.36E-02	-2.77E-03	-2.68E-05	-5.59E-03	8.35E-03
578.7	1.49E-02	1.87E-02	-1.30E-02	-2.53E-03	2.00E-04	-5.08E-03	8.34E-03
579.7	1.46E-02	1.82E-02	-1.33E-02	-3.01E-03	2.85E-04	-5.10E-03	7.75E-03
580.8	1.43E-02	1.76E-02	-1.35E-02	-3.62E-03	7.14E-04	-4.89E-03	7.28E-03
581.9	1.35E-02	1.71E-02	-1.42E-02	-4.16E-03	-1.47E-04	-6.07E-03	6.76E-03
582.9	1.31E-02	1.70E-02	-1.45E-02	-3.48E-03	-4.00E-04	-5.92E-03	6.85E-03
584	1.27E-02	1.71E-02	-1.45E-02	-3.32E-03	-5.89E-04	-6.08E-03	6.91E-03
585.1	1.30E-02	1.76E-02	-1.38E-02	-3.04E-03	6.61E-04	-5.15E-03	7.37E-03
586.1	1.32E-02	1.77E-02	-1.32E-02	-2.90E-03	7.21E-04	-5.37E-03	7.62E-03
587.2	1.34E-02	1.80E-02	-1.26E-02	-2.84E-03	8.75E-04	-4.96E-03	7.65E-03
588.3	1.39E-02	1.76E-02	-1.27E-02	-2.90E-03	7.93E-04	-5.38E-03	7.17E-03
589.3	1.44E-02	1.73E-02	-1.31E-02	-2.88E-03	6.33E-04	-5.45E-03	6.65E-03
590.4	1.46E-02	1.67E-02	-1.37E-02	-2.85E-03	7.94E-05	-5.80E-03	6.36E-03
591.5	1.48E-02	1.67E-02	-1.38E-02	-2.92E-03	-2.57E-04	-5.60E-03	6.72E-03
592.6	1.41E-02	1.66E-02	-1.37E-02	-3.45E-03	-3.00E-04	-5.87E-03	6.50E-03
593.6	1.38E-02	1.67E-02	-1.34E-02	-3.62E-03	2.93E-04	-5.98E-03	6.46E-03
594.7	1.33E-02	1.70E-02	-1.41E-02	-3.63E-03	2.03E-05	-6.08E-03	6.16E-03
595.8	1.36E-02	1.69E-02	-1.45E-02	-3.86E-03	-1.84E-04	-5.87E-03	6.59E-03
596.9	1.42E-02	1.68E-02	-1.44E-02	-3.66E-03	-6.91E-04	-5.96E-03	7.03E-03
598	1.41E-02	1.58E-02	-1.46E-02	-4.02E-03	-3.43E-04	-5.80E-03	6.98E-03
599	1.40E-02	1.57E-02	-1.46E-02	-4.00E-03	1.10E-04	-5.78E-03	6.77E-03
600.1	1.37E-02	1.53E-02	-1.49E-02	-4.27E-03	2.93E-04	-5.81E-03	6.29E-03
601.2	1.37E-02	1.56E-02	-1.47E-02	-4.70E-03	-7.80E-05	-6.19E-03	6.10E-03
602.3	1.33E-02	1.55E-02	-1.49E-02	-5.08E-03	-7.88E-04	-6.40E-03	5.48E-03
603.3	1.34E-02	1.55E-02	-1.50E-02	-5.50E-03	-7.07E-04	-6.80E-03	5.05E-03
604.4	1.34E-02	1.55E-02	-1.52E-02	-5.20E-03	-5.90E-04	-7.01E-03	4.62E-03
605.5	1.34E-02	1.53E-02	-1.52E-02	-5.20E-03	-4.84E-04	-7.42E-03	4.05E-03
606.6	1.27E-02	1.48E-02	-1.58E-02	-5.39E-03	-7.30E-04	-7.49E-03	3.42E-03
607.6	1.26E-02	1.43E-02	-1.59E-02	-5.99E-03	-9.42E-04	-7.41E-03	3.45E-03
608.7	1.29E-02	1.41E-02	-1.59E-02	-5.94E-03	-2.02E-04	-7.19E-03	3.78E-03
609.8	1.27E-02	1.43E-02	-1.60E-02	-5.72E-03	-9.58E-05	-7.29E-03	3.57E-03
610.9	1.26E-02	1.44E-02	-1.62E-02	-5.17E-03	-7.43E-05	-7.64E-03	3.36E-03
611.9	1.24E-02	1.45E-02	-1.58E-02	-5.17E-03	-3.71E-04	-7.73E-03	3.34E-03
613	1.28E-02	1.45E-02	-1.56E-02	-4.98E-03	-4.40E-04	-7.32E-03	3.90E-03
614.1	1.30E-02	1.46E-02	-1.53E-02	-5.01E-03	-3.17E-04	-6.84E-03	3.54E-03
615.2	1.34E-02	1.45E-02	-1.56E-02	-4.92E-03	-2.94E-04	-6.68E-03	3.62E-03
616.2	1.36E-02	1.47E-02	-1.58E-02	-5.35E-03	-4.80E-04	-6.72E-03	3.57E-03
617.3	1.38E-02	1.49E-02	-1.62E-02	-5.32E-03	-3.31E-04	-7.11E-03	3.79E-03
618.4	1.39E-02	1.52E-02	-1.68E-02	-5.15E-03	-6.53E-04	-7.08E-03	3.87E-03

Acid Spectroscopy Curves

619.5	1.42E-02	1.52E-02	-1.69E-02	-4.45E-03	-9.23E-05	-7.12E-03	4.06E-03
620.6	1.43E-02	1.52E-02	-1.75E-02	-4.36E-03	-5.35E-05	-7.27E-03	4.32E-03
621.6	1.44E-02	1.54E-02	-1.72E-02	-4.27E-03	3.69E-04	-6.81E-03	4.09E-03
622.7	1.41E-02	1.49E-02	-1.75E-02	-4.91E-03	-2.14E-04	-6.93E-03	3.57E-03
623.8	1.44E-02	1.47E-02	-1.73E-02	-5.27E-03	-4.53E-04	-6.67E-03	3.00E-03
624.9	1.42E-02	1.40E-02	-1.79E-02	-5.50E-03	-4.44E-04	-7.39E-03	2.96E-03
625.9	1.46E-02	1.42E-02	-1.80E-02	-5.51E-03	1.17E-05	-7.26E-03	2.69E-03
627	1.45E-02	1.45E-02	-1.80E-02	-5.48E-03	-8.35E-05	-7.10E-03	2.64E-03
628.1	1.44E-02	1.46E-02	-1.78E-02	-5.58E-03	-3.18E-04	-7.16E-03	2.26E-03
629.2	1.41E-02	1.42E-02	-1.77E-02	-5.68E-03	-1.26E-04	-7.24E-03	2.80E-03
630.2	1.45E-02	1.34E-02	-1.76E-02	-5.72E-03	0.00E+00	-7.15E-03	2.77E-03
631.3	1.48E-02	1.30E-02	-1.76E-02	-5.90E-03	-7.64E-05	-6.47E-03	2.73E-03
632.4	1.53E-02	1.32E-02	-1.76E-02	-5.58E-03	-3.25E-04	-6.34E-03	2.49E-03
633.5	1.53E-02	1.36E-02	-1.73E-02	-5.43E-03	-3.53E-05	-6.22E-03	2.31E-03
634.5	1.60E-02	1.33E-02	-1.70E-02	-5.23E-03	6.56E-05	-6.53E-03	2.40E-03
635.6	1.56E-02	1.30E-02	-1.72E-02	-5.35E-03	-3.04E-05	-6.79E-03	2.31E-03
636.7	1.51E-02	1.24E-02	-1.80E-02	-5.91E-03	-3.43E-04	-7.53E-03	2.42E-03
637.8	1.49E-02	1.22E-02	-1.86E-02	-6.14E-03	-5.61E-04	-7.53E-03	2.32E-03
638.8	1.48E-02	1.17E-02	-1.85E-02	-6.34E-03	-5.69E-04	-7.54E-03	1.56E-03
639.9	1.53E-02	1.14E-02	-1.84E-02	-6.17E-03	-7.36E-04	-7.46E-03	1.49E-03
641	1.48E-02	1.11E-02	-1.83E-02	-6.38E-03	-2.73E-04	-7.42E-03	1.23E-03
642.1	1.55E-02	1.11E-02	-1.83E-02	-5.97E-03	-2.58E-04	-7.44E-03	2.11E-03
643.1	1.54E-02	1.15E-02	-1.86E-02	-5.42E-03	-3.06E-04	-7.11E-03	2.06E-03
644.2	1.54E-02	1.17E-02	-1.89E-02	-5.11E-03	-5.07E-04	-7.56E-03	2.02E-03
645.3	1.47E-02	1.15E-02	-1.94E-02	-5.27E-03	-4.19E-04	-7.81E-03	1.41E-03
646.4	1.45E-02	1.06E-02	-1.95E-02	-5.51E-03	-2.86E-05	-8.05E-03	1.05E-03
647.5	1.49E-02	1.07E-02	-1.98E-02	-5.59E-03	9.32E-05	-7.83E-03	8.53E-04
648.5	1.51E-02	1.10E-02	-2.00E-02	-5.81E-03	-1.29E-04	-7.78E-03	6.27E-04
649.6	1.52E-02	1.17E-02	-1.98E-02	-5.26E-03	5.35E-05	-7.57E-03	8.78E-04
650.7	1.52E-02	1.13E-02	-1.98E-02	-4.84E-03	-1.88E-04	-7.58E-03	1.02E-03
651.8	1.49E-02	1.10E-02	-1.97E-02	-4.22E-03	-2.30E-04	-7.43E-03	9.10E-04
652.8	1.49E-02	1.09E-02	-1.96E-02	-5.06E-03	-4.32E-04	-7.47E-03	9.11E-04
653.9	1.47E-02	1.13E-02	-1.93E-02	-5.14E-03	-3.04E-04	-7.62E-03	1.12E-03
655	1.52E-02	1.15E-02	-1.87E-02	-5.22E-03	-2.06E-04	-7.46E-03	1.54E-03
656.1	1.48E-02	1.07E-02	-1.93E-02	-4.97E-03	-5.91E-04	-7.79E-03	1.09E-03
657.1	1.46E-02	1.07E-02	-1.90E-02	-4.99E-03	-4.96E-04	-7.68E-03	6.42E-04
658.2	1.45E-02	1.06E-02	-1.93E-02	-5.45E-03	-3.05E-04	-7.85E-03	4.39E-04
659.3	1.49E-02	1.11E-02	-1.88E-02	-5.31E-03	-1.80E-04	-7.52E-03	8.31E-04
660.4	1.50E-02	1.14E-02	-1.86E-02	-4.78E-03	2.96E-04	-7.15E-03	1.38E-03
661.4	1.48E-02	1.15E-02	-1.88E-02	-4.50E-03	9.80E-05	-7.21E-03	1.51E-03
662.5	1.43E-02	1.14E-02	-1.91E-02	-4.12E-03	5.09E-04	-7.47E-03	1.60E-03
663.6	1.39E-02	1.05E-02	-1.94E-02	-4.55E-03	-5.62E-05	-8.08E-03	1.01E-03
664.7	1.42E-02	1.07E-02	-1.91E-02	-4.07E-03	3.42E-04	-8.04E-03	8.02E-04
665.7	1.49E-02	1.10E-02	-1.87E-02	-3.84E-03	1.46E-04	-7.99E-03	4.59E-04
666.8	1.53E-02	1.15E-02	-1.89E-02	-3.40E-03	5.30E-05	-7.85E-03	6.21E-04
667.9	1.52E-02	1.13E-02	-1.93E-02	-3.60E-03	-3.48E-04	-8.13E-03	6.27E-04
669	1.48E-02	1.06E-02	-1.98E-02	-3.68E-03	-5.23E-04	-8.46E-03	9.27E-04
670.1	1.46E-02	1.02E-02	-1.99E-02	-4.24E-03	-4.30E-04	-9.05E-03	7.95E-04
671.1	1.49E-02	9.30E-03	-2.02E-02	-4.30E-03	-1.61E-04	-9.05E-03	3.13E-04
672.2	1.50E-02	8.83E-03	-2.04E-02	-4.52E-03	-1.85E-04	-9.66E-03	-2.63E-04
673.3	1.48E-02	8.63E-03	-2.02E-02	-4.28E-03	3.15E-04	-9.61E-03	-4.03E-04
674.3	1.41E-02	8.75E-03	-2.01E-02	-4.35E-03	-4.58E-05	-1.01E-02	-4.28E-04
675.4	1.40E-02	9.19E-03	-2.01E-02	-4.46E-03	1.10E-04	-9.77E-03	-1.86E-04
676.5	1.39E-02	8.97E-03	-2.05E-02	-4.42E-03	-3.47E-04	-1.00E-02	-4.95E-04
677.6	1.42E-02	9.38E-03	-2.05E-02	-4.03E-03	-3.59E-05	-9.81E-03	-2.52E-05
678.6	1.36E-02	8.53E-03	-2.05E-02	-4.35E-03	-6.53E-05	-9.64E-03	-2.36E-04
679.7	1.38E-02	8.09E-03	-2.09E-02	-4.60E-03	-1.73E-04	-9.46E-03	-2.56E-04
680.8	1.37E-02	7.79E-03	-2.08E-02	-5.15E-03	-3.12E-04	-9.40E-03	-3.97E-04
681.9	1.41E-02	8.07E-03	-2.05E-02	-5.22E-03	-3.38E-04	-9.16E-03	-3.46E-04
682.9	1.37E-02	8.50E-03	-2.02E-02	-5.24E-03	-4.45E-04	-9.25E-03	-2.67E-04
684	1.35E-02	8.73E-03	-1.97E-02	-4.96E-03	-8.66E-04	-9.44E-03	-9.90E-05
685.1	1.34E-02	9.43E-03	-1.93E-02	-4.64E-03	-7.47E-04	-9.28E-03	1.46E-04
686.2	1.36E-02	9.20E-03	-1.90E-02	-4.66E-03	-6.78E-04	-9.20E-03	-1.27E-04
687.2	1.35E-02	8.82E-03	-1.89E-02	-4.53E-03	-4.58E-04	-8.82E-03	-2.63E-04
688.3	1.31E-02	8.25E-03	-1.91E-02	-4.49E-03	-8.48E-04	-9.43E-03	-5.35E-04
689.4	1.33E-02	8.33E-03	-1.89E-02	-4.14E-03	-6.07E-04	-9.99E-03	2.33E-04
690.4	1.37E-02	8.54E-03	-1.80E-02	-3.96E-03	-1.20E-04	-9.78E-03	1.04E-04
691.5	1.41E-02	8.91E-03	-1.79E-02	-3.72E-03	2.60E-04	-9.97E-03	-3.11E-04
692.6	1.46E-02	9.23E-03	-1.74E-02	-3.72E-03	8.23E-05	-9.50E-03	-5.81E-04
693.7	1.46E-02	9.58E-03	-1.78E-02	-3.79E-03	2.47E-04	-9.82E-03	-3.22E-04
694.7	1.47E-02	8.99E-03	-1.75E-02	-4.13E-03	-5.31E-06	-1.01E-02	-8.75E-05
695.8	1.43E-02	8.76E-03	-1.72E-02	-4.64E-03	-3.43E-05	-1.01E-02	-2.35E-04

Acid Spectroscopy Curves

696.9	1.39E-02	8.32E-03	-1.71E-02	-5.00E-03	-3.56E-04	-1.02E-02	-5.06E-04
698	1.34E-02	8.83E-03	-1.65E-02	-4.65E-03	-6.51E-06	-9.62E-03	-1.06E-04
699	1.31E-02	8.74E-03	-1.67E-02	-4.40E-03	-3.90E-05	-1.01E-02	2.97E-04
700.1	1.30E-02	8.64E-03	-1.70E-02	-4.53E-03	8.40E-05	-1.06E-02	2.20E-05
701.2	1.36E-02	8.44E-03	-1.66E-02	-4.33E-03	-2.40E-04	-1.05E-02	8.67E-05
702.2	1.38E-02	9.06E-03	-1.65E-02	-4.26E-03	-1.19E-04	-1.01E-02	-2.29E-04
703.3	1.39E-02	9.32E-03	-1.62E-02	-3.96E-03	-1.57E-04	-9.81E-03	6.41E-04
704.4	1.29E-02	9.25E-03	-1.66E-02	-4.66E-03	7.31E-05	-1.02E-02	2.52E-04
705.5	1.29E-02	8.99E-03	-1.68E-02	-4.77E-03	2.19E-04	-1.06E-02	4.16E-04
706.6	1.27E-02	8.50E-03	-1.62E-02	-4.92E-03	1.29E-04	-1.05E-02	-1.38E-05
707.7	1.31E-02	8.74E-03	-1.68E-02	-4.75E-03	2.19E-04	-1.07E-02	1.93E-04
708.8	1.30E-02	8.59E-03	-1.64E-02	-4.49E-03	2.14E-04	-1.01E-02	6.79E-04
709.9	1.27E-02	8.91E-03	-1.70E-02	-4.60E-03	-1.86E-04	-1.06E-02	2.45E-04
711	1.25E-02	8.67E-03	-1.73E-02	-4.68E-03	-3.34E-04	-1.09E-02	-1.68E-04
712.1	1.23E-02	8.74E-03	-1.75E-02	-5.08E-03	-6.38E-04	-1.12E-02	-7.72E-04
713.2	1.24E-02	8.32E-03	-1.81E-02	-5.11E-03	-5.14E-04	-1.12E-02	-7.16E-04
714.3	1.27E-02	8.48E-03	-1.76E-02	-5.03E-03	-5.57E-04	-1.08E-02	-2.33E-04
715.4	1.26E-02	7.93E-03	-1.73E-02	-5.22E-03	-3.52E-04	-1.10E-02	-2.54E-04
716.5	1.29E-02	8.13E-03	-1.70E-02	-5.17E-03	-6.79E-05	-1.09E-02	-1.05E-04
717.6	1.34E-02	7.74E-03	-1.66E-02	-5.37E-03	-3.96E-04	-1.05E-02	-3.32E-04
718.8	1.38E-02	7.68E-03	-1.67E-02	-5.69E-03	-4.23E-04	-1.06E-02	-6.39E-04
719.9	1.38E-02	7.84E-03	-1.63E-02	-5.79E-03	-6.41E-04	-1.03E-02	-4.81E-04
721	1.30E-02	8.03E-03	-1.69E-02	-5.79E-03	-1.64E-04	-1.12E-02	-7.79E-04
722.1	1.29E-02	7.85E-03	-1.67E-02	-5.15E-03	-4.75E-04	-1.09E-02	-2.12E-04
723.2	1.27E-02	7.43E-03	-1.65E-02	-5.27E-03	-4.88E-04	-1.11E-02	-2.51E-04
724.3	1.26E-02	7.30E-03	-1.64E-02	-5.28E-03	-5.76E-04	-1.06E-02	-8.51E-05
725.4	1.28E-02	7.79E-03	-1.63E-02	-5.42E-03	-1.91E-04	-1.05E-02	-1.01E-04
726.5	1.28E-02	7.78E-03	-1.70E-02	-5.45E-03	-4.97E-04	-1.11E-02	-6.99E-04
727.6	1.39E-02	8.07E-03	-1.61E-02	-5.39E-03	-6.27E-04	-1.10E-02	-2.89E-04
728.7	1.38E-02	8.01E-03	-1.63E-02	-5.93E-03	-1.01E-03	-1.17E-02	-4.33E-04
729.8	1.42E-02	7.84E-03	-1.55E-02	-5.68E-03	-5.25E-04	-1.12E-02	4.29E-04
731	1.35E-02	7.40E-03	-1.62E-02	-6.15E-03	-3.99E-04	-1.15E-02	2.48E-04
732.1	1.38E-02	7.31E-03	-1.59E-02	-5.65E-03	-7.39E-05	-1.11E-02	2.50E-04
733.2	1.37E-02	7.64E-03	-1.57E-02	-6.22E-03	-1.06E-04	-1.11E-02	-6.93E-05
734.3	1.42E-02	7.96E-03	-1.58E-02	-5.78E-03	2.61E-05	-1.10E-02	-1.56E-05
735.4	1.42E-02	8.53E-03	-1.61E-02	-5.59E-03	4.28E-04	-1.07E-02	8.51E-05
736.5	1.44E-02	8.07E-03	-1.66E-02	-5.43E-03	8.88E-04	-1.09E-02	5.65E-05
737.6	1.40E-02	7.51E-03	-1.60E-02	-5.74E-03	9.06E-04	-1.08E-02	2.12E-05
738.7	1.40E-02	6.91E-03	-1.58E-02	-6.18E-03	4.55E-04	-1.12E-02	1.88E-05
739.8	1.40E-02	7.08E-03	-1.52E-02	-6.33E-03	-2.02E-04	-1.13E-02	1.22E-05
740.9	1.43E-02	7.56E-03	-1.57E-02	-6.12E-03	-2.54E-04	-1.15E-02	4.38E-05
742.1	1.48E-02	7.57E-03	-1.57E-02	-5.94E-03	-3.15E-04	-1.12E-02	-1.30E-04
743.2	1.47E-02	7.75E-03	-1.63E-02	-5.73E-03	-4.16E-04	-1.11E-02	-3.91E-04
744.3	1.50E-02	7.92E-03	-1.59E-02	-5.32E-03	-4.07E-04	-1.11E-02	-3.50E-04
745.4	1.49E-02	8.43E-03	-1.56E-02	-4.94E-03	-4.93E-04	-1.10E-02	-8.07E-05
746.5	1.49E-02	8.12E-03	-1.53E-02	-4.84E-03	-5.21E-04	-1.07E-02	4.61E-04
747.6	1.50E-02	8.40E-03	-1.53E-02	-5.49E-03	-7.39E-04	-1.05E-02	4.28E-04
748.7	1.53E-02	8.44E-03	-1.53E-02	-6.15E-03	-5.55E-04	-1.05E-02	2.82E-04
749.8	1.63E-02	9.08E-03	-1.49E-02	-6.23E-03	1.11E-04	-1.03E-02	5.51E-04
750.9	1.59E-02	8.72E-03	-1.50E-02	-5.90E-03	2.88E-04	-1.05E-02	2.79E-04
752	1.59E-02	8.15E-03	-1.51E-02	-6.23E-03	1.62E-04	-1.08E-02	1.68E-04
753.1	1.56E-02	7.72E-03	-1.50E-02	-5.99E-03	-2.94E-04	-1.10E-02	-1.27E-04
754.3	1.58E-02	7.76E-03	-1.45E-02	-5.92E-03	-4.35E-04	-1.02E-02	5.84E-04
755.4	1.56E-02	7.69E-03	-1.45E-02	-5.35E-03	-2.99E-04	-9.86E-03	6.19E-04
756.5	1.53E-02	7.54E-03	-1.50E-02	-5.44E-03	-4.61E-04	-1.01E-02	6.38E-04
757.6	1.56E-02	7.47E-03	-1.46E-02	-5.28E-03	-2.50E-04	-1.05E-02	2.69E-04
758.7	1.59E-02	7.87E-03	-1.42E-02	-5.32E-03	3.51E-04	-9.93E-03	5.15E-04
759.8	1.59E-02	8.26E-03	-1.41E-02	-5.84E-03	2.57E-04	-1.00E-02	4.03E-04
760.9	1.62E-02	7.39E-03	-1.49E-02	-6.37E-03	-1.74E-04	-1.04E-02	-1.06E-05
762	1.64E-02	7.24E-03	-1.49E-02	-6.17E-03	-8.63E-04	-1.06E-02	1.19E-04
763.1	1.66E-02	7.31E-03	-1.43E-02	-5.87E-03	-5.31E-04	-1.05E-02	2.05E-04
764.2	1.67E-02	8.16E-03	-1.38E-02	-5.21E-03	-5.09E-05	-9.76E-03	9.92E-04
765.3	1.69E-02	8.08E-03	-1.34E-02	-5.04E-03	1.24E-04	-9.74E-03	6.87E-04
766.5	1.73E-02	8.50E-03	-1.33E-02	-4.56E-03	3.00E-04	-9.89E-03	1.33E-03
767.6	1.67E-02	8.32E-03	-1.35E-02	-4.72E-03	-6.40E-05	-1.03E-02	1.24E-03
768.7	1.64E-02	7.88E-03	-1.46E-02	-5.10E-03	-1.84E-04	-1.09E-02	1.47E-03
769.8	1.62E-02	7.41E-03	-1.50E-02	-5.21E-03	-6.61E-04	-1.08E-02	1.24E-03
770.9	1.71E-02	7.41E-03	-1.51E-02	-4.95E-03	-3.95E-04	-1.08E-02	1.30E-03
772	1.80E-02	7.77E-03	-1.45E-02	-4.40E-03	-2.81E-05	-1.06E-02	1.64E-03
773.1	1.91E-02	7.52E-03	-1.40E-02	-4.29E-03	2.00E-04	-1.00E-02	1.80E-03
774.2	1.88E-02	7.89E-03	-1.40E-02	-4.83E-03	2.91E-04	-9.95E-03	2.03E-03
775.3	1.84E-02	7.94E-03	-1.39E-02	-5.39E-03	-2.46E-04	-9.60E-03	1.41E-03

Acid Spectroscopy Curves

776.4	1.68E-02	7.89E-03	-1.41E-02	-5.69E-03	-4.73E-04	-1.02E-02	9.12E-04
777.6	1.65E-02	7.76E-03	-1.37E-02	-5.10E-03	-2.43E-04	-1.02E-02	5.58E-04
778.7	1.64E-02	7.24E-03	-1.39E-02	-5.10E-03	2.84E-04	-1.01E-02	8.09E-04
779.8	1.74E-02	6.67E-03	-1.45E-02	-5.43E-03	4.52E-04	-1.05E-02	6.60E-04
780.9	1.75E-02	5.94E-03	-1.53E-02	-6.13E-03	-2.44E-04	-1.08E-02	6.54E-04
782	1.78E-02	6.70E-03	-1.51E-02	-5.51E-03	-8.68E-04	-1.13E-02	8.54E-04
783.1	1.79E-02	7.52E-03	-1.54E-02	-5.45E-03	-1.05E-03	-1.10E-02	1.17E-03
784.2	1.88E-02	8.26E-03	-1.50E-02	-4.84E-03	-8.60E-04	-1.07E-02	1.55E-03
785.3	1.86E-02	8.03E-03	-1.50E-02	-4.96E-03	-2.78E-04	-1.02E-02	1.03E-03
786.4	1.86E-02	7.58E-03	-1.38E-02	-4.35E-03	-2.22E-04	-1.00E-02	1.21E-03
787.5	1.84E-02	7.38E-03	-1.33E-02	-4.42E-03	1.98E-05	-1.03E-02	7.65E-04
788.6	1.92E-02	7.37E-03	-1.29E-02	-4.36E-03	-4.79E-05	-1.02E-02	1.85E-03
789.8	1.86E-02	7.30E-03	-1.38E-02	-4.60E-03	3.18E-05	-1.04E-02	1.29E-03
790.9	1.85E-02	7.57E-03	-1.44E-02	-4.72E-03	-2.85E-04	-1.02E-02	1.52E-03
792	1.83E-02	7.63E-03	-1.46E-02	-5.01E-03	-9.28E-04	-1.05E-02	7.40E-04
793.1	1.92E-02	7.90E-03	-1.35E-02	-4.58E-03	-6.87E-04	-1.02E-02	1.17E-03
794.2	1.91E-02	7.16E-03	-1.34E-02	-4.23E-03	-7.43E-04	-1.01E-02	7.12E-04
795.3	1.88E-02	6.83E-03	-1.36E-02	-4.10E-03	-4.07E-04	-1.02E-02	8.41E-04
796.4	1.83E-02	7.21E-03	-1.39E-02	-4.22E-03	-8.31E-04	-9.69E-03	9.09E-04
797.5	1.77E-02	7.69E-03	-1.30E-02	-3.64E-03	-4.82E-04	-9.09E-03	1.24E-03
798.6	1.79E-02	8.27E-03	-1.25E-02	-3.78E-03	-8.06E-05	-8.58E-03	1.20E-03
799.7	1.78E-02	8.58E-03	-1.19E-02	-3.90E-03	-6.66E-05	-8.70E-03	1.25E-03
800.8	1.86E-02	8.89E-03	-1.21E-02	-4.45E-03	1.42E-05	-9.03E-03	1.43E-03
802	1.90E-02	8.86E-03	-1.20E-02	-4.17E-03	-1.40E-05	-9.46E-03	1.62E-03
803.1	2.00E-02	8.13E-03	-1.28E-02	-3.84E-03	-1.62E-04	-9.60E-03	1.73E-03
804.2	2.01E-02	7.91E-03	-1.24E-02	-3.23E-03	-6.97E-04	-9.31E-03	1.96E-03
805.3	2.01E-02	7.63E-03	-1.26E-02	-2.80E-03	-7.19E-04	-9.10E-03	2.66E-03
806.4	2.00E-02	8.32E-03	-1.19E-02	-2.33E-03	-3.96E-04	-8.60E-03	3.16E-03
807.5	2.04E-02	8.99E-03	-1.15E-02	-2.23E-03	1.39E-04	-8.51E-03	3.38E-03
808.6	2.05E-02	9.26E-03	-1.15E-02	-2.65E-03	-8.28E-06	-8.50E-03	2.95E-03
809.7	2.03E-02	8.56E-03	-1.22E-02	-3.14E-03	-4.45E-05	-8.79E-03	2.60E-03
810.8	1.99E-02	7.80E-03	-1.23E-02	-3.57E-03	-5.11E-04	-8.85E-03	2.64E-03
811.9	1.99E-02	7.93E-03	-1.21E-02	-3.17E-03	-9.17E-04	-8.71E-03	2.75E-03
813.1	2.01E-02	8.12E-03	-1.21E-02	-2.85E-03	-4.52E-04	-8.66E-03	2.81E-03
814.2	2.04E-02	8.61E-03	-1.23E-02	-2.08E-03	-4.96E-05	-8.55E-03	3.07E-03
815.3	2.04E-02	8.30E-03	-1.22E-02	-2.14E-03	4.58E-04	-8.57E-03	2.93E-03
816.4	2.08E-02	7.95E-03	-1.22E-02	-2.32E-03	-3.32E-04	-9.26E-03	2.88E-03
817.5	2.09E-02	7.29E-03	-1.28E-02	-2.94E-03	-4.66E-04	-9.90E-03	2.40E-03
818.6	2.16E-02	7.71E-03	-1.25E-02	-2.28E-03	-4.63E-04	-9.38E-03	2.93E-03
819.7	2.08E-02	7.90E-03	-1.29E-02	-3.06E-03	-1.60E-04	-8.92E-03	2.57E-03
820.8	2.02E-02	7.70E-03	-1.38E-02	-3.40E-03	-3.75E-04	-8.85E-03	2.19E-03
821.9	2.01E-02	7.68E-03	-1.39E-02	-3.23E-03	-4.74E-04	-8.81E-03	2.43E-03
823	2.07E-02	7.98E-03	-1.36E-02	-2.70E-03	-3.39E-04	-8.72E-03	2.63E-03
824.1	2.13E-02	8.50E-03	-1.32E-02	-2.85E-03	-7.50E-05	-8.48E-03	3.61E-03
825.3	2.15E-02	8.26E-03	-1.34E-02	-3.32E-03	4.40E-04	-8.62E-03	3.39E-03
826.4	2.20E-02	8.61E-03	-1.26E-02	-2.76E-03	3.71E-04	-8.23E-03	4.08E-03
827.5	2.18E-02	8.61E-03	-1.23E-02	-2.32E-03	6.23E-04	-8.63E-03	3.16E-03
828.6	2.19E-02	8.91E-03	-1.27E-02	-2.48E-03	2.61E-04	-8.86E-03	3.11E-03
829.7	2.18E-02	9.06E-03	-1.36E-02	-2.96E-03	1.81E-04	-8.67E-03	2.64E-03
830.8	2.27E-02	9.58E-03	-1.36E-02	-2.37E-03	2.49E-04	-7.86E-03	3.40E-03
831.9	2.25E-02	9.13E-03	-1.37E-02	-2.53E-03	-1.67E-04	-8.18E-03	3.61E-03
833	2.21E-02	8.81E-03	-1.28E-02	-2.14E-03	2.96E-04	-8.40E-03	3.68E-03
834	2.16E-02	7.86E-03	-1.29E-02	-3.05E-03	-1.73E-05	-8.83E-03	3.58E-03
835.1	2.16E-02	8.18E-03	-1.30E-02	-2.56E-03	-1.72E-04	-8.37E-03	3.26E-03
836.1	2.17E-02	8.65E-03	-1.28E-02	-2.57E-03	-4.89E-05	-8.37E-03	4.12E-03
837.2	2.07E-02	8.40E-03	-1.35E-02	-3.15E-03	-4.92E-04	-8.37E-03	3.70E-03
838.2	2.13E-02	8.40E-03	-1.35E-02	-3.46E-03	-3.84E-04	-8.59E-03	4.41E-03
839.3	2.11E-02	7.79E-03	-1.42E-02	-4.45E-03	-7.30E-04	-8.71E-03	4.18E-03
840.3	2.20E-02	8.81E-03	-1.30E-02	-3.90E-03	-9.63E-05	-7.98E-03	5.17E-03
841.4	2.10E-02	8.43E-03	-1.34E-02	-4.38E-03	-2.25E-04	-8.30E-03	4.43E-03
842.4	2.09E-02	8.98E-03	-1.31E-02	-3.61E-03	-3.37E-05	-8.40E-03	4.43E-03
843.5	2.09E-02	8.54E-03	-1.33E-02	-3.21E-03	5.09E-05	-8.83E-03	4.24E-03
844.5	2.13E-02	8.70E-03	-1.32E-02	-3.00E-03	-9.38E-05	-9.16E-03	4.52E-03
845.6	2.13E-02	8.51E-03	-1.31E-02	-2.35E-03	-9.35E-04	-8.96E-03	4.60E-03
846.6	2.11E-02	8.27E-03	-1.27E-02	-2.44E-03	-1.69E-03	-9.13E-03	4.34E-03
847.7	2.04E-02	7.93E-03	-1.23E-02	-2.84E-03	-1.75E-03	-8.36E-03	4.30E-03
848.7	2.10E-02	7.60E-03	-1.25E-02	-3.07E-03	-8.82E-04	-8.13E-03	4.58E-03
849.8	2.14E-02	8.31E-03	-1.25E-02	-2.81E-03	4.83E-05	-7.42E-03	5.58E-03
850.8	2.21E-02	8.48E-03	-1.27E-02	-2.46E-03	1.09E-03	-7.27E-03	5.61E-03
851.9	2.21E-02	8.61E-03	-1.27E-02	-3.18E-03	3.53E-04	-7.08E-03	5.38E-03
852.9	2.20E-02	8.09E-03	-1.27E-02	-3.95E-03	-4.81E-05	-7.84E-03	5.01E-03
854	2.24E-02	8.27E-03	-1.29E-02	-3.90E-03	-1.24E-04	-7.84E-03	5.03E-03

Acid Spectroscopy Curves

855	2.26E-02	8.73E-03	-1.19E-02	-3.47E-03	1.01E-03	-7.72E-03	5.76E-03
856.1	2.27E-02	9.48E-03	-1.17E-02	-2.80E-03	5.35E-04	-7.35E-03	6.12E-03
857.1	2.27E-02	9.04E-03	-1.11E-02	-3.01E-03	3.10E-04	-7.34E-03	6.25E-03
858.2	2.26E-02	8.76E-03	-1.23E-02	-2.70E-03	-1.04E-03	-6.83E-03	6.03E-03
859.2	2.29E-02	8.45E-03	-1.23E-02	-2.44E-03	-3.97E-04	-6.56E-03	5.87E-03
860.3	2.23E-02	8.56E-03	-1.28E-02	-2.36E-03	-8.58E-04	-6.86E-03	5.82E-03
861.4	2.22E-02	8.40E-03	-1.24E-02	-2.24E-03	2.90E-05	-7.06E-03	5.97E-03
862.4	2.25E-02	8.57E-03	-1.22E-02	-2.48E-03	1.18E-04	-6.51E-03	5.86E-03
863.5	2.34E-02	9.15E-03	-1.22E-02	-1.75E-03	7.55E-04	-5.87E-03	6.75E-03
864.5	2.35E-02	8.99E-03	-1.16E-02	-2.32E-03	3.60E-04	-5.78E-03	6.32E-03
865.6	2.30E-02	8.69E-03	-1.13E-02	-2.35E-03	1.62E-04	-6.18E-03	6.76E-03
866.6	2.24E-02	8.68E-03	-1.05E-02	-2.86E-03	-6.18E-04	-6.34E-03	6.57E-03
867.7	2.21E-02	9.00E-03	-1.16E-02	-3.12E-03	-7.19E-04	-6.84E-03	6.91E-03
868.7	2.31E-02	8.97E-03	-1.13E-02	-3.58E-03	-1.07E-04	-6.64E-03	6.69E-03
869.8	2.30E-02	9.44E-03	-1.09E-02	-3.96E-03	2.41E-04	-6.75E-03	6.89E-03
870.8	2.38E-02	9.15E-03	-1.10E-02	-3.84E-03	5.16E-04	-6.62E-03	7.20E-03
871.9	2.28E-02	8.73E-03	-1.12E-02	-3.80E-03	-3.83E-04	-6.58E-03	7.31E-03
872.9	2.32E-02	8.36E-03	-1.12E-02	-4.50E-03	1.73E-04	-6.16E-03	7.58E-03
874	2.43E-02	8.96E-03	-9.27E-03	-3.82E-03	8.48E-04	-5.10E-03	7.99E-03
875	2.45E-02	8.95E-03	-9.26E-03	-3.58E-03	1.05E-03	-5.62E-03	7.82E-03
876.1	2.41E-02	7.92E-03	-9.13E-03	-2.91E-03	3.54E-04	-5.56E-03	7.49E-03
877.1	2.32E-02	7.69E-03	-9.94E-03	-3.94E-03	-2.97E-04	-6.08E-03	7.24E-03
878.2	2.34E-02	8.49E-03	-9.61E-03	-3.96E-03	-3.65E-04	-5.40E-03	7.39E-03
879.2	2.36E-02	9.13E-03	-9.16E-03	-3.89E-03	-9.53E-04	-5.20E-03	7.53E-03
880.3	2.34E-02	9.29E-03	-9.21E-03	-3.33E-03	-1.02E-03	-4.82E-03	7.23E-03
881.3	2.39E-02	9.47E-03	-7.70E-03	-2.75E-03	-2.69E-04	-3.79E-03	7.93E-03
882.4	2.52E-02	1.01E-02	-6.49E-03	-2.01E-03	6.71E-04	-2.94E-03	8.16E-03
883.4	2.43E-02	9.56E-03	-5.58E-03	-2.19E-03	1.09E-03	-3.74E-03	7.97E-03
884.5	2.54E-02	9.20E-03	-5.78E-03	-2.73E-03	7.92E-04	-3.80E-03	7.82E-03
885.5	2.47E-02	9.17E-03	-6.60E-03	-3.20E-03	5.59E-04	-4.04E-03	7.04E-03
886.6	2.64E-02	1.01E-02	-5.04E-03	-3.31E-03	8.05E-04	-1.95E-03	7.85E-03
887.6	2.49E-02	9.62E-03	-6.75E-03	-4.20E-03	-2.51E-05	-3.07E-03	7.11E-03
888.7	2.46E-02	9.48E-03	-5.63E-03	-4.45E-03	8.10E-04	-2.54E-03	8.15E-03
889.7	2.47E-02	9.52E-03	-6.04E-03	-4.60E-03	1.10E-04	-2.29E-03	8.24E-03
890.8	2.49E-02	1.02E-02	-4.44E-03	-4.71E-03	1.97E-04	-1.66E-03	8.20E-03
891.9	2.56E-02	1.04E-02	-3.16E-03	-4.58E-03	-8.09E-05	-6.93E-04	8.50E-03
892.9	2.51E-02	9.70E-03	-3.61E-03	-4.87E-03	2.59E-04	-1.82E-03	8.02E-03
894	2.52E-02	9.96E-03	-2.95E-03	-4.23E-03	7.11E-04	-8.28E-05	8.29E-03
895	2.53E-02	1.00E-02	-3.70E-03	-4.84E-03	-3.78E-04	-7.86E-04	7.51E-03
896.1	2.49E-02	1.13E-02	-2.81E-03	-4.29E-03	-6.29E-04	-2.66E-04	7.48E-03
897.1	2.45E-02	1.16E-02	-1.48E-03	-4.09E-03	-8.60E-04	-3.78E-04	8.12E-03
898.2	2.40E-02	1.14E-02	-2.22E-03	-3.79E-03	-7.03E-04	-1.28E-04	8.79E-03
899.2	2.40E-02	1.19E-02	-9.98E-04	-3.05E-03	-1.11E-03	1.27E-03	9.93E-03
900.3	2.48E-02	1.18E-02	-4.36E-04	-2.50E-03	-5.06E-04	1.80E-03	1.06E-02
901.3	2.44E-02	1.21E-02	1.40E-03	-1.89E-03	-2.20E-05	2.53E-03	1.05E-02
902.4	2.43E-02	1.22E-02	2.25E-03	-1.54E-03	3.08E-04	2.65E-03	1.07E-02
903.4	2.39E-02	1.26E-02	2.24E-03	-1.37E-03	-9.92E-05	3.28E-03	1.10E-02
904.5	2.32E-02	1.39E-02	4.34E-03	2.91E-04	7.28E-04	4.94E-03	1.25E-02
905.5	2.29E-02	1.37E-02	4.91E-03	1.58E-03	1.24E-03	5.84E-03	1.30E-02
906.6	2.19E-02	1.39E-02	5.62E-03	2.77E-03	1.70E-03	6.08E-03	1.29E-02
907.6	2.13E-02	1.47E-02	6.32E-03	3.03E-03	3.51E-04	6.30E-03	1.31E-02
908.7	2.09E-02	1.44E-02	6.51E-03	2.44E-03	4.83E-04	6.71E-03	1.29E-02
909.7	2.03E-02	1.51E-02	7.94E-03	2.66E-03	-2.64E-04	7.53E-03	1.35E-02
910.8	1.99E-02	1.42E-02	7.92E-03	3.26E-03	9.56E-05	8.04E-03	1.42E-02
911.8	1.85E-02	1.38E-02	7.50E-03	4.52E-03	-1.18E-03	7.24E-03	1.42E-02
912.9	1.73E-02	1.51E-02	8.68E-03	6.41E-03	-1.09E-03	7.69E-03	1.45E-02
913.9	1.65E-02	1.48E-02	8.52E-03	7.21E-03	-1.16E-05	7.38E-03	1.39E-02
915	1.64E-02	1.65E-02	1.09E-02	8.34E-03	1.52E-03	8.99E-03	1.43E-02
916	1.60E-02	1.57E-02	1.07E-02	8.53E-03	1.58E-03	9.27E-03	1.53E-02
917.1	1.43E-02	1.53E-02	1.08E-02	8.65E-03	5.27E-04	9.40E-03	1.54E-02
918.1	1.26E-02	1.49E-02	1.06E-02	9.46E-03	-1.93E-04	9.26E-03	1.52E-02
919.2	1.19E-02	1.45E-02	1.09E-02	9.45E-03	9.26E-04	9.27E-03	1.47E-02
920.3	1.12E-02	1.55E-02	1.20E-02	1.11E-02	1.71E-03	9.91E-03	1.48E-02
921.3	1.01E-02	1.55E-02	1.28E-02	1.12E-02	1.65E-03	1.02E-02	1.58E-02
922.4	8.92E-03	1.46E-02	1.31E-02	1.14E-02	4.36E-04	9.96E-03	1.51E-02
923.4	8.43E-03	1.47E-02	1.43E-02	1.17E-02	4.59E-04	1.07E-02	1.53E-02
924.5	7.55E-03	1.39E-02	1.36E-02	1.17E-02	5.05E-04	1.07E-02	1.49E-02
925.5	6.60E-03	1.38E-02	1.31E-02	1.30E-02	7.26E-04	1.02E-02	1.54E-02
926.6	5.24E-03	1.31E-02	1.22E-02	1.24E-02	5.41E-05	9.19E-03	1.50E-02
927.6	4.89E-03	1.21E-02	1.20E-02	1.22E-02	-5.29E-04	9.19E-03	1.41E-02
928.7	4.12E-03	1.17E-02	1.21E-02	1.09E-02	-7.85E-04	8.66E-03	1.35E-02
929.7	4.12E-03	1.10E-02	1.18E-02	1.00E-02	-9.74E-04	8.05E-03	1.31E-02

Acid Spectroscopy Curves

930.8	3.07E-03	1.07E-02	1.09E-02	9.77E-03	-4.64E-04	7.17E-03	1.25E-02
931.8	3.15E-03	9.78E-03	1.08E-02	9.49E-03	-3.29E-04	7.09E-03	1.20E-02
932.9	2.43E-03	9.55E-03	1.03E-02	9.52E-03	3.01E-05	7.00E-03	1.13E-02
933.9	2.21E-03	8.61E-03	9.88E-03	8.43E-03	-1.78E-04	7.19E-03	1.19E-02
935	7.34E-04	8.34E-03	8.55E-03	8.43E-03	-9.69E-05	6.80E-03	1.18E-02
936	-2.54E-04	6.68E-03	7.63E-03	7.32E-03	-2.11E-04	6.64E-03	1.16E-02
937.1	3.73E-05	6.26E-03	7.54E-03	7.49E-03	6.40E-04	5.96E-03	1.09E-02
938.1	6.33E-06	5.60E-03	7.18E-03	6.45E-03	8.37E-04	6.37E-03	1.10E-02
939.2	-3.02E-04	5.87E-03	6.62E-03	5.86E-03	1.25E-03	6.08E-03	1.08E-02
940.3	-2.12E-03	4.36E-03	4.77E-03	3.95E-03	8.71E-04	5.70E-03	9.86E-03
941.3	-3.15E-03	2.96E-03	3.99E-03	2.70E-03	5.85E-04	5.14E-03	9.55E-03
942.4	-4.33E-03	1.06E-03	3.20E-03	2.20E-03	4.77E-04	5.11E-03	8.98E-03
943.4	-4.67E-03	5.98E-04	2.18E-03	1.74E-03	1.51E-05	4.62E-03	8.54E-03
944.5	-5.07E-03	5.54E-04	1.77E-03	1.68E-03	9.51E-04	3.82E-03	7.60E-03
945.5	-4.21E-03	5.39E-05	1.17E-03	8.76E-04	1.47E-03	3.07E-03	6.95E-03
946.6	-3.36E-03	8.42E-04	1.68E-03	9.39E-04	2.43E-03	3.27E-03	7.08E-03
947.6	-3.97E-03	-9.69E-04	7.94E-04	2.43E-04	1.32E-03	3.73E-03	5.72E-03
948.7	-4.35E-03	-9.04E-04	-2.48E-04	-6.16E-04	1.24E-03	3.23E-03	5.62E-03
949.7	-5.78E-03	-2.75E-03	-6.03E-04	-1.11E-03	5.12E-04	2.72E-03	4.79E-03

Control Solution Spectroscopy Curves

Wavelength (nm)	Control 1	Control 2	Control 3	Control 4	Control 5	Control 6
380.5	-8.24E-03	2.46E-02	3.45E-02	-4.47E-02	1.68E-02	-7.72E-03
381.6	-3.59E-03	4.20E-02	3.77E-02	-4.69E-02	2.52E-02	5.94E-03
382.8	3.84E-03	5.38E-02	4.38E-02	-3.74E-02	3.60E-02	1.45E-02
383.9	9.76E-03	6.92E-02	5.32E-02	-3.93E-02	4.59E-02	2.44E-02
385.1	3.56E-03	6.29E-02	5.10E-02	-4.02E-02	4.91E-02	2.04E-02
386.2	-2.54E-03	6.28E-02	4.97E-02	-4.58E-02	4.83E-02	2.38E-02
387.4	-6.11E-03	6.29E-02	4.75E-02	-4.53E-02	4.61E-02	2.24E-02
388.5	-5.54E-03	6.35E-02	4.99E-02	-3.71E-02	4.36E-02	2.40E-02
389.7	-3.87E-03	5.62E-02	4.67E-02	-3.30E-02	3.90E-02	2.42E-02
390.8	-1.17E-03	5.23E-02	4.67E-02	-2.65E-02	3.75E-02	2.60E-02
392	2.05E-03	5.19E-02	4.64E-02	-2.17E-02	3.28E-02	2.64E-02
393.1	4.42E-03	5.38E-02	4.57E-02	-1.48E-02	2.84E-02	2.61E-02
394.3	9.03E-03	5.45E-02	4.67E-02	-6.96E-03	2.50E-02	2.74E-02
395.4	1.29E-02	5.46E-02	4.65E-02	1.54E-03	2.19E-02	2.78E-02
396.6	1.67E-02	5.41E-02	4.90E-02	1.10E-02	1.98E-02	2.82E-02
397.7	2.25E-02	5.66E-02	5.07E-02	1.79E-02	1.88E-02	3.22E-02
398.9	2.81E-02	5.83E-02	5.26E-02	2.28E-02	1.81E-02	3.54E-02
400	3.33E-02	5.94E-02	5.34E-02	2.52E-02	2.00E-02	3.96E-02
401.2	3.39E-02	5.78E-02	5.23E-02	2.46E-02	2.03E-02	4.03E-02
402.3	3.37E-02	5.60E-02	5.13E-02	2.50E-02	2.22E-02	4.35E-02
403.5	3.23E-02	5.52E-02	5.02E-02	2.36E-02	2.24E-02	4.61E-02
404.6	3.13E-02	5.32E-02	5.00E-02	2.19E-02	2.30E-02	4.92E-02
405.8	3.11E-02	5.09E-02	4.93E-02	1.81E-02	2.41E-02	5.11E-02
406.9	3.14E-02	4.88E-02	4.82E-02	1.68E-02	2.55E-02	5.33E-02
408.1	3.20E-02	4.86E-02	4.65E-02	1.70E-02	2.75E-02	5.56E-02
409.2	3.23E-02	4.86E-02	4.75E-02	1.73E-02	2.79E-02	5.82E-02
410.4	3.25E-02	4.82E-02	4.68E-02	1.69E-02	2.75E-02	6.03E-02
411.5	3.27E-02	4.74E-02	4.74E-02	1.68E-02	2.72E-02	6.20E-02
412.7	3.28E-02	4.76E-02	4.74E-02	1.77E-02	2.88E-02	6.41E-02
413.8	3.30E-02	4.84E-02	4.91E-02	1.85E-02	3.11E-02	6.56E-02
415	3.33E-02	4.95E-02	4.84E-02	1.87E-02	3.23E-02	6.72E-02
416.1	3.37E-02	4.83E-02	4.87E-02	1.94E-02	3.29E-02	6.88E-02
417.3	3.37E-02	4.83E-02	4.81E-02	1.97E-02	3.32E-02	6.99E-02
418.4	3.38E-02	4.76E-02	4.97E-02	2.03E-02	3.44E-02	7.16E-02
419.6	3.31E-02	4.82E-02	4.80E-02	1.94E-02	3.52E-02	7.11E-02
420.7	3.25E-02	4.73E-02	4.80E-02	1.90E-02	3.52E-02	7.18E-02
421.9	3.17E-02	4.69E-02	4.72E-02	1.88E-02	3.49E-02	7.19E-02
423	3.22E-02	4.71E-02	4.79E-02	2.03E-02	3.43E-02	7.33E-02
424.2	3.26E-02	4.65E-02	4.74E-02	2.15E-02	3.46E-02	7.30E-02
425.3	3.18E-02	4.57E-02	4.69E-02	2.19E-02	3.46E-02	7.24E-02
426.5	3.21E-02	4.59E-02	4.69E-02	2.28E-02	3.49E-02	7.30E-02
427.6	3.20E-02	4.75E-02	4.71E-02	2.37E-02	3.54E-02	7.50E-02
428.8	3.38E-02	4.96E-02	4.76E-02	2.60E-02	3.69E-02	7.65E-02
429.9	3.34E-02	5.02E-02	4.80E-02	2.66E-02	3.70E-02	7.60E-02
431.1	3.33E-02	4.90E-02	4.81E-02	2.79E-02	3.70E-02	7.52E-02
432.2	3.23E-02	4.92E-02	4.91E-02	2.88E-02	3.59E-02	7.57E-02
433.4	3.24E-02	4.89E-02	4.89E-02	2.94E-02	3.63E-02	7.56E-02
434.5	3.27E-02	5.00E-02	4.99E-02	3.05E-02	3.68E-02	7.49E-02
435.7	3.24E-02	4.94E-02	4.93E-02	2.96E-02	3.78E-02	7.37E-02
436.8	3.09E-02	4.90E-02	4.91E-02	3.03E-02	3.82E-02	7.35E-02
438	3.00E-02	4.78E-02	4.85E-02	3.07E-02	3.75E-02	7.27E-02
439.1	2.94E-02	4.61E-02	4.71E-02	3.12E-02	3.58E-02	7.15E-02
440.3	2.91E-02	4.53E-02	4.68E-02	3.16E-02	3.52E-02	7.05E-02
441.4	2.79E-02	4.46E-02	4.53E-02	3.04E-02	3.48E-02	7.04E-02
442.6	2.65E-02	4.47E-02	4.46E-02	3.04E-02	3.47E-02	6.95E-02
443.7	2.51E-02	4.43E-02	4.39E-02	2.89E-02	3.32E-02	6.72E-02
444.9	2.32E-02	4.26E-02	4.23E-02	2.93E-02	3.27E-02	6.54E-02
446	2.08E-02	4.16E-02	4.17E-02	2.92E-02	3.18E-02	6.40E-02
447.2	1.91E-02	4.06E-02	3.98E-02	2.86E-02	3.12E-02	6.34E-02
448.3	1.77E-02	4.02E-02	3.91E-02	2.64E-02	2.96E-02	6.06E-02
449.5	1.66E-02	3.85E-02	3.85E-02	2.53E-02	3.00E-02	5.98E-02
450.6	1.52E-02	3.61E-02	3.79E-02	2.65E-02	2.97E-02	5.85E-02

Control Solution Spectroscopy Curves

451.8	1.43E-02	3.47E-02	3.74E-02	2.70E-02	2.96E-02	5.89E-02
452.9	1.34E-02	3.34E-02	3.62E-02	2.70E-02	2.76E-02	5.71E-02
454.1	1.22E-02	3.35E-02	3.56E-02	2.69E-02	2.66E-02	5.60E-02
455.2	1.16E-02	3.34E-02	3.56E-02	2.73E-02	2.64E-02	5.48E-02
456.4	1.12E-02	3.39E-02	3.60E-02	2.85E-02	2.61E-02	5.28E-02
457.5	1.11E-02	3.41E-02	3.55E-02	2.84E-02	2.68E-02	5.25E-02
458.7	1.08E-02	3.36E-02	3.57E-02	2.90E-02	2.60E-02	5.12E-02
459.8	1.05E-02	3.30E-02	3.51E-02	2.85E-02	2.57E-02	5.01E-02
461	9.71E-03	3.27E-02	3.55E-02	2.80E-02	2.50E-02	4.82E-02
462.1	9.20E-03	3.30E-02	3.53E-02	2.87E-02	2.56E-02	4.73E-02
463.3	9.41E-03	3.40E-02	3.56E-02	2.96E-02	2.66E-02	4.81E-02
464.4	9.95E-03	3.49E-02	3.52E-02	3.12E-02	2.71E-02	4.91E-02
465.6	1.02E-02	3.49E-02	3.61E-02	3.27E-02	2.88E-02	4.94E-02
466.7	1.03E-02	3.58E-02	3.72E-02	3.38E-02	3.03E-02	4.96E-02
467.9	9.90E-03	3.49E-02	3.74E-02	3.47E-02	3.10E-02	4.79E-02
469	8.94E-03	3.69E-02	3.67E-02	3.51E-02	3.03E-02	4.68E-02
470.2	7.40E-03	3.64E-02	3.60E-02	3.49E-02	2.82E-02	4.44E-02
471.3	6.82E-03	3.79E-02	3.59E-02	3.53E-02	2.87E-02	4.31E-02
472.5	8.25E-03	3.67E-02	3.63E-02	3.59E-02	2.86E-02	4.29E-02
473.6	9.92E-03	3.83E-02	3.71E-02	3.85E-02	3.07E-02	4.38E-02
474.8	1.05E-02	3.80E-02	3.66E-02	3.80E-02	3.07E-02	4.47E-02
475.9	8.79E-03	3.91E-02	3.63E-02	3.78E-02	3.01E-02	4.32E-02
477.1	7.42E-03	3.80E-02	3.64E-02	3.65E-02	2.94E-02	4.12E-02
478.2	6.66E-03	3.71E-02	3.79E-02	3.68E-02	2.73E-02	3.90E-02
479.4	6.25E-03	3.59E-02	3.58E-02	3.59E-02	2.62E-02	3.75E-02
480.5	6.02E-03	3.47E-02	3.30E-02	3.51E-02	2.35E-02	3.54E-02
481.7	5.66E-03	3.40E-02	2.96E-02	3.42E-02	2.24E-02	3.33E-02
482.8	5.02E-03	3.25E-02	3.03E-02	3.36E-02	2.03E-02	3.09E-02
484	4.01E-03	3.21E-02	3.03E-02	3.39E-02	1.97E-02	2.98E-02
485.1	3.29E-03	3.15E-02	3.11E-02	3.35E-02	1.94E-02	2.77E-02
486.3	2.93E-03	3.09E-02	3.12E-02	3.47E-02	2.04E-02	2.80E-02
487.4	2.99E-03	3.09E-02	3.15E-02	3.52E-02	1.97E-02	2.70E-02
488.6	1.93E-03	3.07E-02	3.02E-02	3.54E-02	1.91E-02	2.58E-02
489.7	1.51E-03	3.11E-02	2.96E-02	3.45E-02	1.73E-02	2.37E-02
490.9	6.69E-04	3.03E-02	2.83E-02	3.49E-02	1.73E-02	2.17E-02
492	9.94E-04	3.13E-02	2.81E-02	3.55E-02	1.64E-02	2.13E-02
493.2	8.22E-04	3.04E-02	2.71E-02	3.58E-02	1.69E-02	2.00E-02
494.3	6.86E-04	3.01E-02	2.66E-02	3.61E-02	1.61E-02	1.90E-02
495.5	7.30E-04	2.77E-02	2.49E-02	3.57E-02	1.46E-02	1.66E-02
496.6	3.72E-04	2.76E-02	2.49E-02	3.68E-02	1.34E-02	1.51E-02
497.8	-1.03E-03	2.58E-02	2.43E-02	3.59E-02	1.17E-02	1.37E-02
498.9	-2.27E-03	2.62E-02	2.48E-02	3.79E-02	1.03E-02	1.29E-02
500.1	-1.58E-03	2.50E-02	2.39E-02	3.79E-02	9.68E-03	1.22E-02
501.2	-3.46E-04	2.60E-02	2.36E-02	3.86E-02	9.80E-03	1.10E-02
502.4	-1.45E-04	2.52E-02	2.34E-02	3.81E-02	1.05E-02	9.57E-03
503.5	-1.47E-03	2.55E-02	2.36E-02	3.87E-02	9.68E-03	8.17E-03
504.6	-8.09E-04	2.50E-02	2.45E-02	4.05E-02	1.01E-02	7.28E-03
505.8	-5.64E-04	2.51E-02	2.59E-02	4.10E-02	9.63E-03	6.92E-03
506.9	3.10E-04	2.50E-02	2.59E-02	4.21E-02	9.47E-03	5.43E-03
508.1	9.96E-04	2.48E-02	2.67E-02	4.30E-02	8.39E-03	4.83E-03
509.2	3.69E-03	2.56E-02	2.69E-02	4.58E-02	8.01E-03	3.67E-03
510.4	5.41E-03	2.55E-02	2.79E-02	4.66E-02	8.66E-03	4.54E-03
511.6	5.46E-03	2.61E-02	2.80E-02	4.67E-02	8.31E-03	3.98E-03
512.6	4.09E-03	2.56E-02	2.88E-02	4.60E-02	8.27E-03	3.71E-03
513.7	4.20E-03	2.61E-02	2.97E-02	4.71E-02	8.03E-03	1.62E-03
514.7	4.11E-03	2.50E-02	2.92E-02	4.82E-02	7.45E-03	-5.07E-04
515.8	5.23E-03	2.50E-02	2.88E-02	4.91E-02	7.19E-03	-1.39E-03
516.9	5.96E-03	2.59E-02	2.87E-02	4.99E-02	6.56E-03	-6.08E-04
517.9	6.54E-03	2.65E-02	2.84E-02	4.97E-02	5.19E-03	-8.30E-04
519	6.43E-03	2.70E-02	2.86E-02	4.97E-02	4.54E-03	-8.46E-04
520.1	5.62E-03	2.55E-02	2.76E-02	4.93E-02	3.49E-03	-1.94E-03
521.1	5.49E-03	2.50E-02	2.77E-02	4.96E-02	4.36E-03	-1.50E-03
522.2	5.94E-03	2.53E-02	2.86E-02	5.00E-02	4.32E-03	-1.34E-03

Control Solution Spectroscopy Curves

523.3	6.59E-03	2.64E-02	3.06E-02	5.06E-02	4.57E-03	-1.18E-03
524.3	6.59E-03	2.74E-02	3.23E-02	5.13E-02	4.28E-03	-1.39E-03
525.4	5.61E-03	2.74E-02	3.22E-02	5.09E-02	4.13E-03	-1.81E-03
526.5	4.06E-03	2.72E-02	3.13E-02	4.98E-02	3.87E-03	-1.65E-03
527.5	3.44E-03	2.77E-02	3.03E-02	4.75E-02	3.85E-03	-1.30E-03
528.6	2.55E-03	2.78E-02	2.99E-02	4.64E-02	3.74E-03	-1.17E-03
529.7	2.08E-03	2.79E-02	3.00E-02	4.54E-02	3.84E-03	-1.07E-03
530.7	1.34E-03	2.78E-02	3.10E-02	4.55E-02	4.39E-03	-8.20E-04
531.8	1.24E-03	2.85E-02	3.21E-02	4.46E-02	4.53E-03	-9.70E-04
532.9	3.26E-04	2.93E-02	3.16E-02	4.30E-02	3.86E-03	-1.75E-03
533.9	3.59E-04	2.98E-02	3.18E-02	4.22E-02	4.08E-03	-1.46E-03
535	-2.79E-04	2.92E-02	3.12E-02	4.14E-02	4.78E-03	-6.65E-04
536.1	1.09E-04	2.89E-02	3.27E-02	4.12E-02	5.31E-03	1.42E-05
537.1	-9.53E-04	2.90E-02	3.24E-02	3.97E-02	4.05E-03	-6.98E-04
538.2	-1.82E-03	2.97E-02	3.33E-02	3.84E-02	3.66E-03	-8.02E-04
539.2	-2.82E-03	3.03E-02	3.29E-02	3.76E-02	3.39E-03	-1.84E-04
540.3	-4.05E-03	2.96E-02	3.26E-02	3.65E-02	2.78E-03	-4.17E-04
541.4	-4.21E-03	2.96E-02	3.24E-02	3.63E-02	2.37E-03	-9.94E-04
542.4	-4.83E-03	2.98E-02	3.24E-02	3.51E-02	2.11E-03	-1.79E-03
543.5	-4.59E-03	3.15E-02	3.30E-02	3.57E-02	3.00E-03	-1.31E-03
544.6	-4.61E-03	3.22E-02	3.33E-02	3.56E-02	2.97E-03	-7.83E-04
545.6	-4.55E-03	3.26E-02	3.26E-02	3.60E-02	3.28E-03	-2.95E-04
546.7	-4.76E-03	3.21E-02	3.24E-02	3.44E-02	2.67E-03	-8.55E-04
547.8	-6.01E-03	3.14E-02	3.17E-02	3.37E-02	2.63E-03	-1.02E-03
548.8	-7.32E-03	3.16E-02	3.22E-02	3.29E-02	2.07E-03	-1.37E-03
549.9	-8.40E-03	3.14E-02	3.12E-02	3.27E-02	2.29E-03	-2.00E-03
551	-8.13E-03	3.25E-02	3.21E-02	3.23E-02	1.34E-03	-2.63E-03
552	-7.57E-03	3.26E-02	3.23E-02	3.23E-02	1.31E-03	-2.90E-03
553.1	-7.75E-03	3.19E-02	3.30E-02	3.30E-02	1.46E-03	-2.31E-03
554.2	-7.76E-03	3.16E-02	3.24E-02	3.28E-02	2.02E-03	-2.76E-03
555.2	-7.99E-03	3.13E-02	3.26E-02	3.28E-02	1.93E-03	-2.71E-03
556.3	-8.03E-03	3.19E-02	3.27E-02	3.11E-02	1.69E-03	-3.29E-03
557.4	-8.91E-03	3.21E-02	3.27E-02	3.11E-02	1.85E-03	-3.24E-03
558.4	-8.87E-03	3.30E-02	3.34E-02	3.08E-02	3.58E-03	-3.24E-03
559.5	-8.76E-03	3.44E-02	3.44E-02	3.10E-02	3.79E-03	-2.73E-03
560.6	-8.75E-03	3.39E-02	3.51E-02	3.02E-02	3.97E-03	-2.36E-03
561.6	-8.92E-03	3.41E-02	3.55E-02	3.08E-02	3.10E-03	-2.39E-03
562.7	-8.91E-03	3.37E-02	3.60E-02	3.14E-02	3.78E-03	-2.06E-03
563.7	-9.33E-03	3.45E-02	3.59E-02	3.14E-02	4.11E-03	-2.30E-03
564.8	-9.31E-03	3.41E-02	3.53E-02	3.02E-02	3.87E-03	-3.04E-03
565.9	-8.91E-03	3.45E-02	3.49E-02	3.04E-02	4.52E-03	-2.96E-03
566.9	-8.01E-03	3.49E-02	3.52E-02	3.12E-02	4.82E-03	-2.52E-03
568	-8.72E-03	3.54E-02	3.48E-02	3.11E-02	4.94E-03	-2.75E-03
569.1	-9.42E-03	3.57E-02	3.51E-02	3.05E-02	4.70E-03	-3.26E-03
570.1	-9.68E-03	3.52E-02	3.51E-02	2.96E-02	4.08E-03	-4.10E-03
571.2	-9.57E-03	3.51E-02	3.56E-02	2.96E-02	3.20E-03	-4.39E-03
572.3	-8.83E-03	3.58E-02	3.55E-02	2.92E-02	2.75E-03	-4.13E-03
573.3	-9.00E-03	3.56E-02	3.63E-02	2.92E-02	3.31E-03	-3.34E-03
574.4	-8.68E-03	3.53E-02	3.58E-02	2.90E-02	3.99E-03	-3.44E-03
575.5	-8.15E-03	3.44E-02	3.59E-02	2.93E-02	4.08E-03	-4.30E-03
576.5	-7.88E-03	3.55E-02	3.54E-02	2.92E-02	3.85E-03	-4.93E-03
577.6	-7.75E-03	3.63E-02	3.57E-02	2.91E-02	4.25E-03	-3.84E-03
578.7	-8.07E-03	3.70E-02	3.65E-02	2.91E-02	4.78E-03	-3.56E-03
579.7	-7.90E-03	3.70E-02	3.65E-02	2.96E-02	4.44E-03	-3.86E-03
580.8	-7.82E-03	3.71E-02	3.78E-02	2.95E-02	4.23E-03	-4.63E-03
581.9	-8.65E-03	3.70E-02	3.77E-02	2.86E-02	3.66E-03	-4.44E-03
582.9	-8.62E-03	3.76E-02	3.82E-02	2.82E-02	4.98E-03	-3.99E-03
584	-8.85E-03	3.76E-02	3.78E-02	2.81E-02	5.43E-03	-4.32E-03
585.1	-8.70E-03	3.77E-02	3.81E-02	2.79E-02	5.54E-03	-4.82E-03
586.1	-8.83E-03	3.72E-02	3.88E-02	2.72E-02	4.88E-03	-5.15E-03
587.2	-8.43E-03	3.81E-02	3.92E-02	2.81E-02	4.95E-03	-4.68E-03
588.3	-7.66E-03	3.79E-02	3.93E-02	2.87E-02	5.11E-03	-4.71E-03
589.3	-7.57E-03	3.82E-02	3.88E-02	2.86E-02	4.47E-03	-4.93E-03

Control Solution Spectroscopy Curves

590.4	-7.52E-03	3.76E-02	3.87E-02	2.80E-02	4.73E-03	-4.75E-03
591.5	-7.32E-03	3.85E-02	3.96E-02	2.81E-02	5.10E-03	-4.03E-03
592.6	-7.45E-03	3.85E-02	4.07E-02	2.93E-02	6.45E-03	-3.43E-03
593.6	-6.94E-03	3.94E-02	4.11E-02	3.00E-02	6.60E-03	-3.27E-03
594.7	-7.58E-03	4.00E-02	4.09E-02	3.00E-02	6.39E-03	-3.12E-03
595.8	-6.93E-03	4.08E-02	4.01E-02	2.97E-02	5.91E-03	-3.69E-03
596.9	-7.48E-03	4.02E-02	3.96E-02	2.92E-02	5.25E-03	-4.44E-03
598	-7.38E-03	4.04E-02	3.94E-02	2.95E-02	5.20E-03	-4.92E-03
599	-7.68E-03	4.08E-02	3.96E-02	2.99E-02	5.37E-03	-4.29E-03
600.1	-7.46E-03	4.16E-02	4.00E-02	3.06E-02	6.03E-03	-3.77E-03
601.2	-7.06E-03	4.09E-02	3.99E-02	3.07E-02	6.23E-03	-3.55E-03
602.3	-7.06E-03	4.03E-02	4.02E-02	3.04E-02	6.48E-03	-3.82E-03
603.3	-6.73E-03	4.00E-02	4.10E-02	2.99E-02	7.17E-03	-3.98E-03
604.4	-6.40E-03	4.07E-02	4.10E-02	2.98E-02	7.61E-03	-3.90E-03
605.5	-5.67E-03	4.21E-02	4.20E-02	3.00E-02	7.66E-03	-3.44E-03
606.6	-5.15E-03	4.31E-02	4.22E-02	3.07E-02	8.02E-03	-2.44E-03
607.6	-4.71E-03	4.39E-02	4.30E-02	3.04E-02	8.22E-03	-2.04E-03
608.7	-4.13E-03	4.40E-02	4.26E-02	3.03E-02	8.73E-03	-1.67E-03
609.8	-3.59E-03	4.39E-02	4.24E-02	2.95E-02	8.54E-03	-1.51E-03
610.9	-3.12E-03	4.43E-02	4.31E-02	2.89E-02	9.05E-03	-1.21E-03
611.9	-3.57E-03	4.51E-02	4.30E-02	2.87E-02	7.86E-03	-1.62E-03
613	-4.43E-03	4.48E-02	4.25E-02	2.82E-02	7.19E-03	-2.43E-03
614.1	-5.02E-03	4.40E-02	4.15E-02	2.86E-02	6.45E-03	-2.88E-03
615.2	-4.64E-03	4.31E-02	4.12E-02	2.89E-02	6.88E-03	-2.51E-03
616.2	-4.23E-03	4.39E-02	4.18E-02	2.92E-02	6.60E-03	-2.16E-03
617.3	-4.77E-03	4.35E-02	4.26E-02	2.89E-02	7.25E-03	-2.38E-03
618.4	-5.18E-03	4.30E-02	4.29E-02	2.79E-02	7.76E-03	-2.41E-03
619.5	-4.97E-03	4.28E-02	4.23E-02	2.84E-02	8.78E-03	-1.74E-03
620.6	-3.68E-03	4.35E-02	4.14E-02	2.89E-02	8.42E-03	-9.98E-04
621.6	-4.09E-03	4.40E-02	4.14E-02	2.90E-02	8.17E-03	-8.59E-04
622.7	-4.28E-03	4.35E-02	4.24E-02	2.81E-02	8.23E-03	-1.10E-03
623.8	-5.71E-03	4.29E-02	4.29E-02	2.72E-02	8.91E-03	-1.22E-03
624.9	-5.40E-03	4.23E-02	4.25E-02	2.75E-02	8.81E-03	-9.89E-04
625.9	-4.95E-03	4.21E-02	4.23E-02	2.77E-02	8.43E-03	-1.13E-03
627	-4.73E-03	4.19E-02	4.10E-02	2.81E-02	7.70E-03	-1.31E-03
628.1	-5.12E-03	4.18E-02	4.14E-02	2.78E-02	8.06E-03	-2.09E-03
629.2	-6.12E-03	4.25E-02	4.07E-02	2.66E-02	7.92E-03	-2.50E-03
630.2	-5.95E-03	4.33E-02	4.21E-02	2.66E-02	8.43E-03	-2.49E-03
631.3	-5.23E-03	4.36E-02	4.17E-02	2.68E-02	8.39E-03	-2.18E-03
632.4	-4.64E-03	4.41E-02	4.31E-02	2.81E-02	9.30E-03	-1.46E-03
633.5	-3.98E-03	4.35E-02	4.32E-02	2.89E-02	9.69E-03	-2.75E-04
634.5	-3.33E-03	4.44E-02	4.38E-02	2.92E-02	1.10E-02	7.92E-04
635.6	-2.69E-03	4.51E-02	4.37E-02	2.98E-02	1.10E-02	1.51E-03
636.7	-2.27E-03	4.53E-02	4.29E-02	2.96E-02	1.15E-02	1.39E-03
637.8	-2.36E-03	4.48E-02	4.31E-02	2.97E-02	1.12E-02	9.14E-04
638.8	-1.92E-03	4.46E-02	4.29E-02	2.97E-02	1.21E-02	1.17E-03
639.9	-1.35E-03	4.45E-02	4.37E-02	2.98E-02	1.24E-02	1.03E-03
641	-1.24E-03	4.51E-02	4.36E-02	2.98E-02	1.28E-02	1.26E-03
642.1	-1.21E-03	4.55E-02	4.36E-02	2.98E-02	1.27E-02	8.94E-04
643.1	-8.53E-04	4.60E-02	4.35E-02	2.98E-02	1.30E-02	1.24E-03
644.2	-1.95E-04	4.66E-02	4.38E-02	2.98E-02	1.30E-02	1.44E-03
645.3	1.70E-04	4.59E-02	4.41E-02	3.01E-02	1.35E-02	2.00E-03
646.4	7.76E-04	4.64E-02	4.52E-02	3.09E-02	1.36E-02	2.53E-03
647.5	2.30E-03	4.72E-02	4.59E-02	3.21E-02	1.40E-02	3.11E-03
648.5	3.45E-03	4.83E-02	4.64E-02	3.29E-02	1.50E-02	4.37E-03
649.6	4.68E-03	4.94E-02	4.67E-02	3.36E-02	1.62E-02	5.74E-03
650.7	5.46E-03	5.01E-02	4.72E-02	3.45E-02	1.79E-02	7.57E-03
651.8	6.63E-03	5.07E-02	4.82E-02	3.42E-02	1.94E-02	8.26E-03
652.8	7.48E-03	5.18E-02	4.96E-02	3.51E-02	2.12E-02	9.26E-03
653.9	9.05E-03	5.27E-02	5.10E-02	3.55E-02	2.27E-02	9.83E-03
655	1.08E-02	5.44E-02	5.23E-02	3.76E-02	2.35E-02	1.08E-02
656.1	1.25E-02	5.58E-02	5.31E-02	3.87E-02	2.42E-02	1.19E-02
657.1	1.39E-02	5.57E-02	5.40E-02	3.99E-02	2.51E-02	1.31E-02

Control Solution Spectroscopy Curves

658.2	1.46E-02	5.71E-02	5.48E-02	4.01E-02	2.70E-02	1.47E-02
659.3	1.63E-02	5.86E-02	5.58E-02	4.10E-02	2.83E-02	1.61E-02
660.4	1.62E-02	6.07E-02	5.62E-02	4.12E-02	2.90E-02	1.65E-02
661.4	1.71E-02	6.06E-02	5.67E-02	4.17E-02	2.94E-02	1.63E-02
662.5	1.62E-02	6.08E-02	5.61E-02	4.10E-02	2.97E-02	1.62E-02
663.6	1.67E-02	6.12E-02	5.63E-02	4.21E-02	3.03E-02	1.70E-02
664.7	1.58E-02	6.01E-02	5.46E-02	4.11E-02	2.94E-02	1.61E-02
665.7	1.48E-02	5.90E-02	5.43E-02	4.05E-02	2.84E-02	1.51E-02
666.8	1.34E-02	5.69E-02	5.19E-02	3.80E-02	2.56E-02	1.29E-02
667.9	1.20E-02	5.58E-02	5.15E-02	3.67E-02	2.42E-02	1.14E-02
669	1.06E-02	5.41E-02	5.00E-02	3.53E-02	2.31E-02	9.32E-03
670.1	8.99E-03	5.26E-02	4.91E-02	3.44E-02	2.23E-02	7.97E-03
671.1	7.25E-03	5.10E-02	4.77E-02	3.35E-02	2.09E-02	7.12E-03
672.2	5.59E-03	4.96E-02	4.57E-02	3.23E-02	1.90E-02	5.58E-03
673.3	3.09E-03	4.81E-02	4.43E-02	3.07E-02	1.73E-02	4.36E-03
674.3	1.84E-03	4.65E-02	4.25E-02	2.89E-02	1.53E-02	2.27E-03
675.4	5.51E-04	4.45E-02	4.09E-02	2.69E-02	1.37E-02	1.15E-03
676.5	-3.06E-04	4.27E-02	3.92E-02	2.57E-02	1.21E-02	5.68E-05
677.6	-2.04E-03	4.12E-02	3.71E-02	2.50E-02	1.12E-02	-1.13E-03
678.6	-3.47E-03	4.05E-02	3.59E-02	2.49E-02	1.04E-02	-1.40E-03
679.7	-4.81E-03	3.93E-02	3.47E-02	2.35E-02	1.00E-02	-2.62E-03
680.8	-4.95E-03	4.01E-02	3.55E-02	2.34E-02	9.22E-03	-1.44E-03
681.9	-5.52E-03	3.90E-02	3.49E-02	2.22E-02	7.90E-03	-2.38E-03
682.9	-6.11E-03	3.86E-02	3.44E-02	2.22E-02	7.33E-03	-2.17E-03
684	-6.87E-03	3.70E-02	3.35E-02	2.09E-02	6.56E-03	-3.29E-03
685.1	-8.07E-03	3.63E-02	3.29E-02	2.04E-02	6.12E-03	-3.53E-03
686.2	-7.80E-03	3.59E-02	3.19E-02	1.93E-02	5.52E-03	-4.26E-03
687.2	-8.66E-03	3.58E-02	3.07E-02	1.92E-02	5.22E-03	-4.79E-03
688.3	-8.93E-03	3.58E-02	3.03E-02	1.94E-02	5.15E-03	-5.34E-03
689.4	-9.61E-03	3.59E-02	2.98E-02	2.00E-02	4.92E-03	-4.73E-03
690.4	-9.29E-03	3.51E-02	2.99E-02	2.02E-02	5.22E-03	-4.39E-03
691.5	-8.56E-03	3.44E-02	3.03E-02	2.01E-02	5.39E-03	-3.96E-03
692.6	-8.73E-03	3.45E-02	3.03E-02	1.99E-02	6.16E-03	-4.63E-03
693.7	-9.72E-03	3.47E-02	3.01E-02	1.88E-02	4.75E-03	-4.95E-03
694.7	-1.01E-02	3.52E-02	2.95E-02	1.90E-02	4.97E-03	-5.40E-03
695.8	-9.76E-03	3.50E-02	2.97E-02	1.92E-02	4.81E-03	-4.78E-03
696.9	-9.59E-03	3.47E-02	2.93E-02	1.93E-02	5.77E-03	-5.04E-03
698	-9.86E-03	3.41E-02	2.88E-02	1.95E-02	5.71E-03	-4.56E-03
699	-9.78E-03	3.43E-02	2.88E-02	1.96E-02	5.40E-03	-4.58E-03
700.1	-9.64E-03	3.37E-02	2.80E-02	1.99E-02	5.60E-03	-3.86E-03
701.2	-9.26E-03	3.42E-02	2.81E-02	1.93E-02	6.02E-03	-3.84E-03
702.2	-9.76E-03	3.36E-02	2.71E-02	1.90E-02	5.85E-03	-3.58E-03
703.3	-9.57E-03	3.41E-02	2.75E-02	1.99E-02	5.09E-03	-3.36E-03
704.4	-9.88E-03	3.32E-02	2.64E-02	1.99E-02	4.07E-03	-3.80E-03
705.5	-9.60E-03	3.28E-02	2.64E-02	1.95E-02	4.09E-03	-4.77E-03
706.6	-9.43E-03	3.27E-02	2.61E-02	1.88E-02	4.61E-03	-4.84E-03
707.7	-9.73E-03	3.22E-02	2.58E-02	1.92E-02	4.58E-03	-5.17E-03
708.8	-9.70E-03	3.20E-02	2.60E-02	1.94E-02	4.57E-03	-5.05E-03
709.9	-9.32E-03	3.13E-02	2.53E-02	1.93E-02	3.61E-03	-5.84E-03
711	-8.63E-03	3.17E-02	2.60E-02	1.88E-02	3.31E-03	-6.26E-03
712.1	-9.17E-03	3.15E-02	2.52E-02	1.88E-02	3.22E-03	-5.83E-03
713.2	-9.98E-03	3.15E-02	2.55E-02	1.89E-02	4.06E-03	-5.32E-03
714.3	-9.94E-03	3.14E-02	2.51E-02	2.01E-02	5.14E-03	-3.92E-03
715.4	-9.27E-03	3.11E-02	2.58E-02	2.00E-02	4.76E-03	-4.36E-03
716.5	-9.41E-03	3.10E-02	2.55E-02	1.96E-02	4.46E-03	-5.07E-03
717.6	-9.71E-03	3.11E-02	2.56E-02	1.85E-02	3.72E-03	-5.40E-03
718.8	-9.70E-03	3.11E-02	2.44E-02	1.84E-02	3.44E-03	-5.65E-03
719.9	-9.17E-03	3.10E-02	2.47E-02	1.96E-02	3.33E-03	-5.03E-03
721	-9.27E-03	3.04E-02	2.37E-02	1.96E-02	3.40E-03	-5.49E-03
722.1	-9.27E-03	3.10E-02	2.44E-02	2.03E-02	4.69E-03	-4.74E-03
723.2	-9.62E-03	3.13E-02	2.39E-02	1.97E-02	5.55E-03	-4.98E-03
724.3	-1.03E-02	3.15E-02	2.45E-02	1.98E-02	5.72E-03	-4.91E-03
725.4	-1.14E-02	3.06E-02	2.36E-02	2.01E-02	4.98E-03	-5.54E-03

Control Solution Spectroscopy Curves

726.5	-1.15E-02	3.02E-02	2.36E-02	1.96E-02	4.52E-03	-5.72E-03
727.6	-1.09E-02	3.07E-02	2.32E-02	2.06E-02	4.85E-03	-4.61E-03
728.7	-1.07E-02	3.10E-02	2.38E-02	1.95E-02	5.27E-03	-4.37E-03
729.8	-1.06E-02	3.08E-02	2.33E-02	2.02E-02	5.27E-03	-3.78E-03
731	-1.11E-02	3.05E-02	2.31E-02	1.99E-02	4.52E-03	-4.79E-03
732.1	-1.01E-02	3.10E-02	2.34E-02	2.07E-02	4.42E-03	-3.82E-03
733.2	-1.01E-02	3.07E-02	2.39E-02	2.03E-02	3.63E-03	-4.15E-03
734.3	-9.42E-03	3.05E-02	2.35E-02	2.03E-02	3.70E-03	-3.87E-03
735.4	-1.03E-02	2.93E-02	2.26E-02	1.98E-02	2.85E-03	-4.72E-03
736.5	-9.84E-03	2.88E-02	2.20E-02	2.00E-02	4.00E-03	-4.69E-03
737.6	-1.04E-02	2.92E-02	2.22E-02	1.98E-02	4.50E-03	-4.29E-03
738.7	-1.05E-02	2.97E-02	2.26E-02	1.97E-02	3.75E-03	-5.16E-03
739.8	-1.14E-02	2.97E-02	2.20E-02	1.99E-02	2.22E-03	-5.77E-03
740.9	-1.15E-02	2.89E-02	2.12E-02	1.95E-02	1.35E-03	-7.13E-03
742.1	-1.12E-02	2.88E-02	2.07E-02	1.96E-02	2.32E-03	-6.67E-03
743.2	-1.08E-02	2.88E-02	2.02E-02	1.94E-02	2.92E-03	-7.02E-03
744.3	-1.07E-02	2.91E-02	2.00E-02	1.99E-02	3.37E-03	-5.89E-03
745.4	-1.16E-02	2.81E-02	1.92E-02	1.95E-02	2.47E-03	-6.25E-03
746.5	-1.18E-02	2.79E-02	2.01E-02	1.89E-02	2.66E-03	-5.89E-03
747.6	-1.16E-02	2.73E-02	2.08E-02	1.81E-02	2.56E-03	-6.95E-03
748.7	-1.10E-02	2.76E-02	2.17E-02	1.85E-02	3.64E-03	-6.45E-03
749.8	-1.08E-02	2.79E-02	2.19E-02	1.88E-02	3.67E-03	-5.59E-03
750.9	-1.18E-02	2.72E-02	2.14E-02	1.84E-02	3.46E-03	-5.37E-03
752	-1.27E-02	2.67E-02	2.01E-02	1.82E-02	3.26E-03	-5.38E-03
753.1	-1.34E-02	2.61E-02	2.02E-02	1.78E-02	3.04E-03	-5.99E-03
754.3	-1.32E-02	2.70E-02	2.08E-02	1.81E-02	3.09E-03	-5.08E-03
755.4	-1.24E-02	2.82E-02	2.20E-02	1.83E-02	3.42E-03	-4.58E-03
756.5	-1.10E-02	2.91E-02	2.20E-02	1.83E-02	3.83E-03	-4.19E-03
757.6	-1.05E-02	2.86E-02	2.14E-02	1.79E-02	3.44E-03	-4.61E-03
758.7	-1.04E-02	2.80E-02	2.15E-02	1.74E-02	2.24E-03	-4.45E-03
759.8	-1.15E-02	2.75E-02	2.12E-02	1.72E-02	2.21E-03	-4.50E-03
760.9	-1.17E-02	2.76E-02	2.17E-02	1.70E-02	2.22E-03	-4.34E-03
762	-1.10E-02	2.79E-02	2.19E-02	1.72E-02	3.26E-03	-4.56E-03
763.1	-1.08E-02	2.79E-02	2.20E-02	1.75E-02	3.09E-03	-4.51E-03
764.2	-1.12E-02	2.78E-02	2.07E-02	1.75E-02	3.32E-03	-4.31E-03
765.3	-1.24E-02	2.78E-02	2.03E-02	1.78E-02	3.47E-03	-4.21E-03
766.5	-1.27E-02	2.75E-02	2.03E-02	1.83E-02	3.50E-03	-4.09E-03
767.6	-1.28E-02	2.72E-02	2.09E-02	1.95E-02	3.47E-03	-4.56E-03
768.7	-1.32E-02	2.71E-02	2.15E-02	2.04E-02	3.38E-03	-4.25E-03
769.8	-1.30E-02	2.75E-02	2.14E-02	2.15E-02	3.71E-03	-3.99E-03
770.9	-1.28E-02	2.78E-02	2.06E-02	2.21E-02	4.04E-03	-3.48E-03
772	-1.13E-02	2.73E-02	1.98E-02	2.34E-02	4.31E-03	-3.38E-03
773.1	-1.07E-02	2.74E-02	1.96E-02	2.44E-02	4.19E-03	-3.16E-03
774.2	-1.06E-02	2.75E-02	2.00E-02	2.50E-02	4.16E-03	-2.97E-03
775.3	-1.12E-02	2.81E-02	2.06E-02	2.41E-02	4.37E-03	-2.82E-03
776.4	-1.09E-02	2.85E-02	2.01E-02	2.35E-02	4.14E-03	-2.78E-03
777.6	-1.08E-02	2.84E-02	2.00E-02	2.20E-02	3.48E-03	-3.38E-03
778.7	-1.12E-02	2.83E-02	1.91E-02	2.03E-02	2.41E-03	-4.50E-03
779.8	-1.13E-02	2.81E-02	1.88E-02	1.80E-02	2.25E-03	-5.25E-03
780.9	-1.12E-02	2.79E-02	1.88E-02	1.70E-02	3.00E-03	-5.53E-03
782	-1.08E-02	2.81E-02	1.87E-02	1.77E-02	3.44E-03	-5.21E-03
783.1	-1.16E-02	2.71E-02	1.82E-02	1.88E-02	3.30E-03	-5.43E-03
784.2	-1.22E-02	2.72E-02	1.81E-02	1.95E-02	3.29E-03	-4.49E-03
785.3	-1.25E-02	2.62E-02	1.85E-02	1.90E-02	3.27E-03	-3.89E-03
786.4	-1.17E-02	2.64E-02	1.88E-02	1.84E-02	3.74E-03	-2.74E-03
787.5	-1.21E-02	2.60E-02	1.85E-02	1.77E-02	3.06E-03	-3.22E-03
788.6	-1.29E-02	2.64E-02	1.78E-02	1.82E-02	2.53E-03	-3.58E-03
789.8	-1.39E-02	2.56E-02	1.71E-02	1.78E-02	1.33E-03	-5.58E-03
790.9	-1.31E-02	2.51E-02	1.67E-02	1.79E-02	8.83E-04	-6.67E-03
792	-1.19E-02	2.54E-02	1.63E-02	1.78E-02	1.13E-03	-6.38E-03
793.1	-1.15E-02	2.57E-02	1.71E-02	1.76E-02	2.00E-03	-5.07E-03
794.2	-1.26E-02	2.59E-02	1.71E-02	1.73E-02	2.73E-03	-4.06E-03
795.3	-1.33E-02	2.52E-02	1.77E-02	1.71E-02	2.71E-03	-4.61E-03

Control Solution Spectroscopy Curves

796.4	-1.30E-02	2.53E-02	1.74E-02	1.77E-02	2.94E-03	-3.79E-03
797.5	-1.17E-02	2.52E-02	1.75E-02	1.83E-02	2.54E-03	-2.67E-03
798.6	-1.07E-02	2.46E-02	1.77E-02	1.79E-02	2.80E-03	-2.17E-03
799.7	-1.05E-02	2.47E-02	1.82E-02	1.82E-02	3.55E-03	-1.71E-03
800.8	-1.07E-02	2.51E-02	1.84E-02	1.84E-02	4.18E-03	-2.56E-03
802	-1.17E-02	2.63E-02	1.89E-02	1.89E-02	4.54E-03	-2.01E-03
803.1	-1.17E-02	2.65E-02	1.91E-02	1.82E-02	4.19E-03	-1.05E-03
804.2	-1.15E-02	2.71E-02	1.94E-02	1.81E-02	4.56E-03	3.26E-04
805.3	-1.04E-02	2.67E-02	1.96E-02	1.83E-02	4.30E-03	8.95E-04
806.4	-1.08E-02	2.66E-02	1.92E-02	1.87E-02	3.55E-03	6.22E-05
807.5	-1.01E-02	2.70E-02	1.99E-02	1.95E-02	3.24E-03	4.24E-04
808.6	-1.07E-02	2.70E-02	1.90E-02	1.89E-02	3.49E-03	3.84E-04
809.7	-1.11E-02	2.70E-02	1.86E-02	1.92E-02	3.26E-03	5.00E-04
810.8	-1.16E-02	2.62E-02	1.81E-02	1.82E-02	3.16E-03	6.85E-05
811.9	-1.12E-02	2.53E-02	1.77E-02	1.89E-02	2.30E-03	9.71E-05
813.1	-1.18E-02	2.42E-02	1.75E-02	1.85E-02	2.36E-03	-6.25E-04
814.2	-1.20E-02	2.33E-02	1.67E-02	1.82E-02	1.66E-03	-6.46E-04
815.3	-1.23E-02	2.41E-02	1.69E-02	1.77E-02	2.43E-03	-8.25E-04
816.4	-1.10E-02	2.40E-02	1.75E-02	1.89E-02	3.14E-03	-5.38E-04
817.5	-1.06E-02	2.36E-02	1.78E-02	1.96E-02	2.50E-03	-1.12E-03
818.6	-1.18E-02	2.30E-02	1.76E-02	1.95E-02	1.75E-03	-2.18E-03
819.7	-1.18E-02	2.36E-02	1.71E-02	1.90E-02	9.78E-04	-2.59E-03
820.8	-1.18E-02	2.34E-02	1.74E-02	1.93E-02	2.63E-03	-2.43E-03
821.9	-1.12E-02	2.29E-02	1.71E-02	1.98E-02	2.36E-03	-1.32E-03
823	-1.13E-02	2.27E-02	1.72E-02	1.96E-02	2.70E-03	-1.86E-03
824.1	-1.19E-02	2.35E-02	1.64E-02	1.96E-02	2.36E-03	-2.12E-03
825.3	-1.13E-02	2.40E-02	1.64E-02	1.96E-02	3.00E-03	-2.18E-03
826.4	-1.16E-02	2.39E-02	1.57E-02	1.90E-02	2.58E-03	-2.36E-03
827.5	-1.10E-02	2.40E-02	1.58E-02	1.88E-02	2.16E-03	-2.93E-03
828.6	-1.14E-02	2.41E-02	1.59E-02	1.91E-02	1.20E-03	-3.09E-03
829.7	-1.15E-02	2.31E-02	1.56E-02	1.86E-02	4.89E-04	-3.09E-03
830.8	-1.17E-02	2.35E-02	1.56E-02	1.86E-02	7.64E-04	-2.55E-03
831.9	-1.06E-02	2.41E-02	1.59E-02	1.88E-02	2.29E-03	-2.58E-03
833	-1.04E-02	2.51E-02	1.60E-02	1.94E-02	3.35E-03	-1.70E-03
834	-9.92E-03	2.56E-02	1.65E-02	2.04E-02	3.64E-03	-1.30E-03
835.1	-1.13E-02	2.49E-02	1.52E-02	2.04E-02	2.70E-03	-1.64E-03
836.1	-1.14E-02	2.49E-02	1.58E-02	2.11E-02	3.12E-03	-1.66E-03
837.2	-1.17E-02	2.36E-02	1.58E-02	1.98E-02	2.43E-03	-2.41E-03
838.2	-1.05E-02	2.25E-02	1.66E-02	1.94E-02	3.19E-03	-2.35E-03
839.3	-9.94E-03	2.31E-02	1.69E-02	1.96E-02	2.15E-03	-2.15E-03
840.3	-9.71E-03	2.40E-02	1.65E-02	2.02E-02	3.08E-03	-2.04E-03
841.4	-1.07E-02	2.44E-02	1.61E-02	2.00E-02	2.46E-03	-2.08E-03
842.4	-1.19E-02	2.36E-02	1.53E-02	1.92E-02	2.65E-03	-1.62E-03
843.5	-1.33E-02	2.30E-02	1.49E-02	1.92E-02	1.41E-03	-1.10E-03
844.5	-1.20E-02	2.44E-02	1.58E-02	2.02E-02	2.69E-03	-2.68E-04
845.6	-1.05E-02	2.54E-02	1.85E-02	2.21E-02	4.55E-03	5.55E-04
846.6	-9.02E-03	2.57E-02	1.89E-02	2.20E-02	5.92E-03	5.39E-04
847.7	-1.05E-02	2.59E-02	1.85E-02	2.21E-02	5.51E-03	1.03E-03
848.7	-1.08E-02	2.64E-02	1.64E-02	2.12E-02	4.47E-03	1.38E-03
849.8	-1.18E-02	2.67E-02	1.73E-02	2.13E-02	3.49E-03	1.79E-03
850.8	-1.15E-02	2.57E-02	1.76E-02	2.12E-02	3.88E-03	1.82E-03
851.9	-1.11E-02	2.60E-02	1.85E-02	2.07E-02	4.45E-03	1.88E-03
852.9	-1.08E-02	2.60E-02	1.85E-02	2.11E-02	5.58E-03	2.70E-03
854	-1.05E-02	2.61E-02	1.81E-02	2.11E-02	4.34E-03	1.92E-03
855	-1.14E-02	2.56E-02	1.72E-02	2.16E-02	3.03E-03	9.38E-04
856.1	-1.09E-02	2.63E-02	1.71E-02	2.22E-02	2.29E-03	3.31E-04
857.1	-1.04E-02	2.70E-02	1.78E-02	2.22E-02	3.18E-03	9.58E-04
858.2	-1.05E-02	2.63E-02	1.84E-02	2.31E-02	3.79E-03	1.61E-03
859.2	-1.11E-02	2.71E-02	1.82E-02	2.25E-02	4.08E-03	2.16E-03
860.3	-1.20E-02	2.73E-02	1.71E-02	2.33E-02	3.37E-03	1.17E-03
861.4	-1.13E-02	2.80E-02	1.61E-02	2.28E-02	3.12E-03	1.03E-03
862.4	-1.11E-02	2.72E-02	1.44E-02	2.31E-02	2.44E-03	-2.91E-05
863.5	-1.09E-02	2.69E-02	1.55E-02	2.27E-02	2.81E-03	1.00E-03

Control Solution Spectroscopy Curves

864.5	-1.06E-02	2.70E-02	1.54E-02	2.35E-02	2.80E-03	1.34E-03
865.6	-9.27E-03	2.69E-02	1.69E-02	2.46E-02	3.36E-03	2.75E-03
866.6	-7.57E-03	2.70E-02	1.71E-02	2.53E-02	2.88E-03	3.12E-03
867.7	-7.93E-03	2.64E-02	1.78E-02	2.50E-02	2.56E-03	2.37E-03
868.7	-8.01E-03	2.64E-02	1.80E-02	2.53E-02	1.22E-03	2.22E-03
869.8	-8.18E-03	2.75E-02	1.74E-02	2.60E-02	1.03E-03	3.47E-03
870.8	-7.86E-03	2.81E-02	1.85E-02	2.63E-02	6.51E-04	4.56E-03
871.9	-8.43E-03	2.77E-02	1.82E-02	2.63E-02	3.93E-04	5.33E-03
872.9	-9.93E-03	2.64E-02	1.80E-02	2.69E-02	-2.87E-04	3.25E-03
874	-9.76E-03	2.70E-02	1.76E-02	2.79E-02	5.99E-05	4.05E-03
875	-9.46E-03	2.77E-02	1.77E-02	2.83E-02	9.41E-04	3.77E-03
876.1	-8.07E-03	2.82E-02	1.78E-02	2.74E-02	3.90E-04	6.15E-03
877.1	-7.94E-03	2.81E-02	1.75E-02	2.73E-02	7.38E-04	6.20E-03
878.2	-8.85E-03	2.82E-02	1.68E-02	2.79E-02	-4.63E-04	5.70E-03
879.2	-8.85E-03	2.93E-02	1.73E-02	2.89E-02	1.64E-05	6.01E-03
880.3	-1.00E-02	2.93E-02	1.70E-02	2.94E-02	-1.04E-03	7.09E-03
881.3	-8.70E-03	3.05E-02	1.82E-02	3.01E-02	-6.37E-04	9.58E-03
882.4	-9.18E-03	3.00E-02	1.80E-02	2.99E-02	-1.34E-03	1.03E-02
883.4	-9.01E-03	2.93E-02	1.86E-02	2.91E-02	-1.86E-03	1.08E-02
884.5	-1.03E-02	2.94E-02	1.79E-02	2.94E-02	-2.08E-03	1.26E-02
885.5	-1.14E-02	2.82E-02	1.64E-02	2.99E-02	-2.60E-03	1.23E-02
886.6	-1.05E-02	3.05E-02	1.68E-02	3.22E-02	-2.78E-03	1.38E-02
887.6	-1.02E-02	2.97E-02	1.67E-02	3.19E-02	-3.25E-03	1.25E-02
888.7	-1.01E-02	3.06E-02	1.71E-02	3.30E-02	-3.07E-03	1.38E-02
889.7	-1.04E-02	3.14E-02	1.63E-02	3.39E-02	-1.89E-03	1.52E-02
890.8	-1.07E-02	3.14E-02	1.53E-02	3.48E-02	-3.00E-03	1.62E-02
891.9	-1.02E-02	3.13E-02	1.55E-02	3.57E-02	-2.27E-03	1.86E-02
892.9	-1.10E-02	3.06E-02	1.57E-02	3.55E-02	-2.46E-03	1.81E-02
894	-1.08E-02	2.93E-02	1.70E-02	3.58E-02	-1.26E-03	1.92E-02
895	-1.06E-02	2.99E-02	1.56E-02	3.59E-02	-4.18E-03	1.71E-02
896.1	-1.05E-02	2.72E-02	1.38E-02	3.49E-02	-6.20E-03	1.78E-02
897.1	-1.00E-02	2.77E-02	1.32E-02	3.51E-02	-7.03E-03	1.83E-02
898.2	-9.71E-03	2.62E-02	1.43E-02	3.54E-02	-5.87E-03	2.14E-02
899.2	-9.57E-03	2.57E-02	1.51E-02	3.61E-02	-5.15E-03	2.32E-02
900.3	-8.86E-03	2.64E-02	1.47E-02	3.74E-02	-5.03E-03	2.47E-02
901.3	-7.83E-03	2.54E-02	1.49E-02	3.74E-02	-3.71E-03	2.50E-02
902.4	-7.43E-03	2.65E-02	1.43E-02	3.77E-02	-4.06E-03	2.51E-02
903.4	-7.10E-03	2.46E-02	1.35E-02	3.74E-02	-4.14E-03	2.58E-02
904.5	-8.11E-03	2.49E-02	1.23E-02	3.86E-02	-4.12E-03	2.73E-02
905.5	-7.42E-03	2.53E-02	1.26E-02	4.04E-02	-4.15E-03	2.85E-02
906.6	-8.34E-03	2.55E-02	1.23E-02	4.12E-02	-4.16E-03	3.00E-02
907.6	-7.99E-03	2.66E-02	1.33E-02	4.13E-02	-4.68E-03	3.15E-02
908.7	-7.54E-03	2.68E-02	1.33E-02	4.27E-02	-4.85E-03	3.43E-02
909.7	-6.45E-03	2.81E-02	1.32E-02	4.44E-02	-3.14E-03	3.58E-02
910.8	-5.46E-03	2.77E-02	1.38E-02	4.60E-02	-3.09E-03	3.72E-02
911.8	-4.77E-03	2.57E-02	1.33E-02	4.60E-02	-3.63E-03	3.66E-02
912.9	-3.24E-03	2.57E-02	1.54E-02	4.81E-02	-2.40E-03	3.76E-02
913.9	-2.07E-03	2.40E-02	1.53E-02	4.84E-02	-3.49E-03	3.67E-02
915	-1.63E-03	2.41E-02	1.56E-02	4.89E-02	-1.05E-03	3.87E-02
916	-1.09E-03	2.34E-02	1.38E-02	4.91E-02	-9.88E-04	4.02E-02
917.1	-3.66E-04	2.27E-02	1.24E-02	4.94E-02	-7.49E-04	4.25E-02
918.1	9.31E-04	2.33E-02	1.22E-02	5.06E-02	-5.20E-04	4.28E-02
919.2	1.49E-03	2.29E-02	1.19E-02	5.06E-02	-1.43E-03	4.30E-02
920.3	1.77E-03	2.19E-02	1.19E-02	5.12E-02	1.06E-03	4.37E-02
921.3	2.34E-03	2.27E-02	1.28E-02	5.19E-02	1.28E-03	4.43E-02
922.4	3.44E-03	2.13E-02	1.27E-02	5.18E-02	2.52E-03	4.47E-02
923.4	4.54E-03	2.19E-02	1.27E-02	5.25E-02	2.20E-03	4.57E-02
924.5	4.93E-03	2.01E-02	1.15E-02	5.24E-02	1.38E-03	4.70E-02
925.5	4.28E-03	1.97E-02	1.16E-02	5.15E-02	7.77E-04	4.75E-02
926.6	4.45E-03	1.96E-02	1.22E-02	5.18E-02	1.46E-03	4.83E-02
927.6	5.13E-03	1.95E-02	1.18E-02	5.20E-02	1.99E-03	4.79E-02
928.7	7.66E-03	2.07E-02	1.28E-02	5.30E-02	3.40E-03	4.94E-02
929.7	8.32E-03	2.15E-02	1.38E-02	5.25E-02	3.65E-03	4.95E-02

Control Solution Spectroscopy Curves

930.8	8.87E-03	2.07E-02	1.41E-02	5.19E-02	3.62E-03	4.93E-02
931.8	6.99E-03	1.88E-02	1.24E-02	5.08E-02	2.41E-03	4.87E-02
932.9	7.65E-03	1.82E-02	1.09E-02	5.16E-02	2.73E-03	4.87E-02
933.9	7.78E-03	1.80E-02	1.05E-02	5.06E-02	3.51E-03	4.85E-02
935	9.56E-03	1.98E-02	1.14E-02	5.19E-02	3.72E-03	4.89E-02
936	1.05E-02	2.02E-02	1.10E-02	5.06E-02	3.35E-03	4.80E-02
937.1	1.16E-02	2.12E-02	1.11E-02	5.00E-02	2.62E-03	4.86E-02
938.1	1.26E-02	2.00E-02	1.12E-02	4.89E-02	4.06E-03	4.78E-02
939.2	1.34E-02	1.99E-02	1.23E-02	4.95E-02	3.72E-03	4.76E-02
940.3	1.39E-02	2.03E-02	1.35E-02	5.12E-02	4.50E-03	4.87E-02
941.3	1.35E-02	2.09E-02	1.37E-02	5.14E-02	3.42E-03	4.89E-02
942.4	1.32E-02	2.14E-02	1.30E-02	5.00E-02	2.79E-03	4.79E-02
943.4	1.45E-02	2.19E-02	1.34E-02	5.01E-02	3.96E-03	4.74E-02
944.5	1.56E-02	2.24E-02	1.43E-02	5.08E-02	4.25E-03	4.76E-02
945.5	1.63E-02	2.24E-02	1.44E-02	5.17E-02	4.71E-03	4.80E-02
946.6	1.61E-02	2.19E-02	1.46E-02	5.13E-02	3.56E-03	4.70E-02
947.6	1.66E-02	2.17E-02	1.54E-02	5.08E-02	2.98E-03	4.47E-02
948.7	1.84E-02	2.14E-02	1.64E-02	5.07E-02	4.41E-03	4.49E-02
949.7	1.93E-02	2.10E-02	1.67E-02	5.06E-02	4.39E-03	4.37E-02

5pH Spectroscopy Curves

Wavelength (nm)	Sample 1	Sample 2	Sample 3
380.5	1.00E-01	1.54E-01	1.30E-01
381.6	9.94E-02	1.45E-01	1.26E-01
382.8	9.76E-02	1.36E-01	1.21E-01
383.9	9.72E-02	1.33E-01	1.20E-01
385.1	9.71E-02	1.35E-01	1.20E-01
386.2	9.72E-02	1.34E-01	1.19E-01
387.4	9.68E-02	1.34E-01	1.17E-01
388.5	9.71E-02	1.34E-01	1.19E-01
389.7	9.96E-02	1.36E-01	1.21E-01
390.8	1.05E-01	1.39E-01	1.28E-01
392	1.14E-01	1.47E-01	1.35E-01
393.1	1.20E-01	1.52E-01	1.46E-01
394.3	1.24E-01	1.56E-01	1.54E-01
395.4	1.20E-01	1.55E-01	1.58E-01
396.6	1.17E-01	1.54E-01	1.59E-01
397.7	1.11E-01	1.51E-01	1.60E-01
398.9	1.06E-01	1.48E-01	1.62E-01
400	1.02E-01	1.46E-01	1.63E-01
401.2	1.00E-01	1.46E-01	1.64E-01
402.3	1.00E-01	1.47E-01	1.67E-01
403.5	1.03E-01	1.48E-01	1.72E-01
404.6	1.06E-01	1.50E-01	1.79E-01
405.8	1.09E-01	1.53E-01	1.86E-01
406.9	1.12E-01	1.57E-01	1.93E-01
408.1	1.16E-01	1.60E-01	2.00E-01
409.2	1.19E-01	1.63E-01	2.05E-01
410.4	1.21E-01	1.65E-01	2.09E-01
411.5	1.23E-01	1.66E-01	2.12E-01
412.7	1.23E-01	1.68E-01	2.14E-01
413.8	1.23E-01	1.69E-01	2.18E-01
415	1.25E-01	1.71E-01	2.20E-01
416.1	1.27E-01	1.72E-01	2.23E-01
417.3	1.29E-01	1.73E-01	2.24E-01
418.4	1.29E-01	1.73E-01	2.24E-01
419.6	1.28E-01	1.75E-01	2.24E-01
420.7	1.27E-01	1.75E-01	2.24E-01
421.9	1.27E-01	1.74E-01	2.24E-01
423	1.27E-01	1.74E-01	2.23E-01
424.2	1.27E-01	1.74E-01	2.23E-01
425.3	1.27E-01	1.75E-01	2.23E-01
426.5	1.26E-01	1.75E-01	2.23E-01
427.6	1.26E-01	1.75E-01	2.22E-01
428.8	1.25E-01	1.75E-01	2.21E-01

5pH Spectroscopy Curves

429.9	1.25E-01	1.75E-01	2.20E-01
431.1	1.23E-01	1.75E-01	2.19E-01
432.2	1.23E-01	1.75E-01	2.17E-01
433.4	1.22E-01	1.75E-01	2.15E-01
434.5	1.20E-01	1.74E-01	2.13E-01
435.7	1.18E-01	1.73E-01	2.11E-01
436.8	1.18E-01	1.72E-01	2.10E-01
438	1.17E-01	1.71E-01	2.09E-01
439.1	1.16E-01	1.70E-01	2.07E-01
440.3	1.16E-01	1.69E-01	2.05E-01
441.4	1.15E-01	1.68E-01	2.03E-01
442.6	1.13E-01	1.66E-01	2.00E-01
443.7	1.10E-01	1.63E-01	1.97E-01
444.9	1.06E-01	1.60E-01	1.93E-01
446	1.03E-01	1.58E-01	1.90E-01
447.2	9.98E-02	1.55E-01	1.86E-01
448.3	9.74E-02	1.53E-01	1.84E-01
449.5	9.65E-02	1.51E-01	1.81E-01
450.6	9.48E-02	1.50E-01	1.79E-01
451.8	9.40E-02	1.49E-01	1.76E-01
452.9	9.21E-02	1.48E-01	1.73E-01
454.1	9.00E-02	1.46E-01	1.69E-01
455.2	8.78E-02	1.43E-01	1.66E-01
456.4	8.51E-02	1.41E-01	1.62E-01
457.5	8.39E-02	1.40E-01	1.61E-01
458.7	8.23E-02	1.39E-01	1.59E-01
459.8	8.11E-02	1.38E-01	1.56E-01
461	7.99E-02	1.38E-01	1.53E-01
462.1	7.84E-02	1.37E-01	1.50E-01
463.3	7.66E-02	1.37E-01	1.48E-01
464.4	7.60E-02	1.37E-01	1.46E-01
465.6	7.57E-02	1.37E-01	1.46E-01
466.7	7.71E-02	1.37E-01	1.44E-01
467.9	7.62E-02	1.38E-01	1.43E-01
469	7.48E-02	1.37E-01	1.41E-01
470.2	7.22E-02	1.36E-01	1.38E-01
471.3	6.98E-02	1.35E-01	1.34E-01
472.5	6.72E-02	1.33E-01	1.30E-01
473.6	6.53E-02	1.31E-01	1.27E-01
474.8	6.32E-02	1.29E-01	1.25E-01
475.9	6.18E-02	1.27E-01	1.23E-01
477.1	5.99E-02	1.25E-01	1.20E-01
478.2	5.81E-02	1.23E-01	1.17E-01
479.4	5.62E-02	1.21E-01	1.15E-01

5pH Spectroscopy Curves

480.5	5.37E-02	1.19E-01	1.12E-01
481.7	5.14E-02	1.17E-01	1.09E-01
482.8	4.86E-02	1.14E-01	1.05E-01
484	4.70E-02	1.11E-01	1.03E-01
485.1	4.51E-02	1.09E-01	1.01E-01
486.3	4.38E-02	1.08E-01	9.78E-02
487.4	4.19E-02	1.06E-01	9.43E-02
488.6	4.05E-02	1.04E-01	9.05E-02
489.7	3.91E-02	1.02E-01	8.76E-02
490.9	3.83E-02	1.01E-01	8.55E-02
492	3.69E-02	9.93E-02	8.38E-02
493.2	3.52E-02	9.78E-02	8.15E-02
494.3	3.32E-02	9.55E-02	7.87E-02
495.5	3.21E-02	9.45E-02	7.63E-02
496.6	3.08E-02	9.26E-02	7.48E-02
497.8	3.00E-02	9.08E-02	7.26E-02
498.9	2.81E-02	8.82E-02	7.07E-02
500.1	2.70E-02	8.70E-02	6.80E-02
501.2	2.54E-02	8.62E-02	6.57E-02
502.4	2.51E-02	8.60E-02	6.46E-02
503.5	2.46E-02	8.57E-02	6.27E-02
504.6	2.39E-02	8.42E-02	6.11E-02
505.8	2.35E-02	8.36E-02	5.90E-02
506.9	2.32E-02	8.26E-02	5.80E-02
508.1	2.31E-02	8.26E-02	5.71E-02
509.2	2.20E-02	8.23E-02	5.57E-02
510.4	2.12E-02	8.14E-02	5.40E-02
511.6	2.09E-02	8.07E-02	5.31E-02
512.6	2.10E-02	7.99E-02	5.19E-02
513.7	2.02E-02	7.92E-02	5.06E-02
514.7	1.94E-02	7.89E-02	4.95E-02
515.8	1.81E-02	7.85E-02	4.88E-02
516.9	1.83E-02	7.85E-02	4.82E-02
517.9	1.76E-02	7.76E-02	4.70E-02
519	1.75E-02	7.63E-02	4.60E-02
520.1	1.67E-02	7.57E-02	4.61E-02
521.1	1.69E-02	7.58E-02	4.60E-02
522.2	1.75E-02	7.70E-02	4.64E-02
523.3	1.72E-02	7.67E-02	4.62E-02
524.3	1.64E-02	7.58E-02	4.59E-02
525.4	1.50E-02	7.45E-02	4.54E-02
526.5	1.43E-02	7.34E-02	4.52E-02
527.5	1.39E-02	7.31E-02	4.52E-02
528.6	1.37E-02	7.25E-02	4.55E-02

5pH Spectroscopy Curves

529.7	1.34E-02	7.27E-02	4.54E-02
530.7	1.32E-02	7.29E-02	4.59E-02
531.8	1.37E-02	7.38E-02	4.59E-02
532.9	1.34E-02	7.33E-02	4.60E-02
533.9	1.31E-02	7.35E-02	4.56E-02
535	1.20E-02	7.26E-02	4.59E-02
536.1	1.26E-02	7.39E-02	4.67E-02
537.1	1.32E-02	7.38E-02	4.75E-02
538.2	1.38E-02	7.41E-02	4.74E-02
539.2	1.39E-02	7.27E-02	4.67E-02
540.3	1.28E-02	7.21E-02	4.72E-02
541.4	1.24E-02	7.17E-02	4.75E-02
542.4	1.21E-02	7.21E-02	4.87E-02
543.5	1.20E-02	7.22E-02	4.92E-02
544.6	1.19E-02	7.23E-02	4.94E-02
545.6	1.16E-02	7.22E-02	4.94E-02
546.7	1.21E-02	7.21E-02	4.98E-02
547.8	1.18E-02	7.20E-02	4.98E-02
548.8	1.18E-02	7.28E-02	5.01E-02
549.9	1.15E-02	7.24E-02	4.96E-02
551	1.16E-02	7.23E-02	5.01E-02
552	1.15E-02	7.15E-02	5.00E-02
553.1	1.11E-02	7.16E-02	4.98E-02
554.2	1.08E-02	7.15E-02	4.97E-02
555.2	1.07E-02	7.14E-02	4.98E-02
556.3	1.06E-02	7.14E-02	4.98E-02
557.4	1.10E-02	7.20E-02	5.06E-02
558.4	1.05E-02	7.18E-02	5.07E-02
559.5	1.04E-02	7.09E-02	5.09E-02
560.6	1.03E-02	7.06E-02	5.08E-02
561.6	1.08E-02	7.11E-02	5.08E-02
562.7	1.09E-02	7.18E-02	5.11E-02
563.7	1.11E-02	7.20E-02	5.11E-02
564.8	1.07E-02	7.18E-02	5.10E-02
565.9	1.08E-02	7.16E-02	5.12E-02
566.9	1.09E-02	7.14E-02	5.17E-02
568	1.07E-02	7.08E-02	5.16E-02
569.1	1.03E-02	7.01E-02	5.13E-02
570.1	9.53E-03	6.96E-02	5.12E-02
571.2	9.98E-03	7.00E-02	5.17E-02
572.3	9.80E-03	7.08E-02	5.23E-02
573.3	1.05E-02	7.06E-02	5.18E-02
574.4	1.11E-02	7.03E-02	5.20E-02
575.5	1.13E-02	6.94E-02	5.17E-02

5pH Spectroscopy Curves

576.5	1.08E-02	6.96E-02	5.27E-02
577.6	1.00E-02	6.96E-02	5.31E-02
578.7	1.07E-02	7.03E-02	5.37E-02
579.7	1.08E-02	6.95E-02	5.24E-02
580.8	1.15E-02	6.98E-02	5.18E-02
581.9	1.09E-02	6.91E-02	5.12E-02
582.9	1.11E-02	6.94E-02	5.18E-02
584	1.02E-02	6.86E-02	5.14E-02
585.1	1.03E-02	6.89E-02	5.14E-02
586.1	9.97E-03	6.91E-02	5.16E-02
587.2	1.06E-02	6.89E-02	5.14E-02
588.3	1.02E-02	6.81E-02	5.10E-02
589.3	9.76E-03	6.76E-02	5.03E-02
590.4	9.79E-03	6.75E-02	5.00E-02
591.5	9.78E-03	6.77E-02	5.02E-02
592.6	1.07E-02	6.78E-02	5.06E-02
593.6	1.11E-02	6.81E-02	5.12E-02
594.7	1.14E-02	6.82E-02	5.16E-02
595.8	1.11E-02	6.78E-02	5.18E-02
596.9	1.02E-02	6.75E-02	5.19E-02
598	1.06E-02	6.74E-02	5.18E-02
599	1.06E-02	6.74E-02	5.17E-02
600.1	1.08E-02	6.71E-02	5.21E-02
601.2	1.06E-02	6.71E-02	5.23E-02
602.3	1.10E-02	6.83E-02	5.31E-02
603.3	1.14E-02	6.90E-02	5.31E-02
604.4	1.13E-02	6.95E-02	5.27E-02
605.5	1.09E-02	6.85E-02	5.21E-02
606.6	1.12E-02	6.83E-02	5.22E-02
607.6	1.11E-02	6.82E-02	5.30E-02
608.7	1.13E-02	6.83E-02	5.32E-02
609.8	1.15E-02	6.83E-02	5.31E-02
610.9	1.18E-02	6.83E-02	5.30E-02
611.9	1.21E-02	6.86E-02	5.30E-02
613	1.19E-02	6.87E-02	5.26E-02
614.1	1.22E-02	6.90E-02	5.24E-02
615.2	1.24E-02	6.87E-02	5.25E-02
616.2	1.28E-02	6.93E-02	5.28E-02
617.3	1.26E-02	6.89E-02	5.21E-02
618.4	1.23E-02	6.92E-02	5.16E-02
619.5	1.23E-02	6.87E-02	5.08E-02
620.6	1.33E-02	6.88E-02	5.07E-02
621.6	1.37E-02	6.87E-02	5.07E-02
622.7	1.32E-02	6.89E-02	5.06E-02

5pH Spectroscopy Curves

623.8	1.25E-02	6.82E-02	5.02E-02
624.9	1.24E-02	6.79E-02	5.01E-02
625.9	1.29E-02	6.74E-02	5.02E-02
627	1.29E-02	6.78E-02	5.06E-02
628.1	1.28E-02	6.81E-02	5.08E-02
629.2	1.26E-02	6.84E-02	5.14E-02
630.2	1.26E-02	6.82E-02	5.14E-02
631.3	1.26E-02	6.78E-02	5.12E-02
632.4	1.26E-02	6.77E-02	5.09E-02
633.5	1.29E-02	6.81E-02	5.11E-02
634.5	1.32E-02	6.83E-02	5.12E-02
635.6	1.38E-02	6.87E-02	5.15E-02
636.7	1.44E-02	6.94E-02	5.19E-02
637.8	1.51E-02	7.03E-02	5.24E-02
638.8	1.50E-02	7.08E-02	5.29E-02
639.9	1.52E-02	7.14E-02	5.34E-02
641	1.54E-02	7.17E-02	5.39E-02
642.1	1.56E-02	7.21E-02	5.39E-02
643.1	1.61E-02	7.22E-02	5.38E-02
644.2	1.63E-02	7.26E-02	5.39E-02
645.3	1.71E-02	7.32E-02	5.44E-02
646.4	1.77E-02	7.38E-02	5.48E-02
647.5	1.82E-02	7.49E-02	5.50E-02
648.5	1.90E-02	7.61E-02	5.50E-02
649.6	1.98E-02	7.76E-02	5.54E-02
650.7	2.10E-02	7.87E-02	5.65E-02
651.8	2.20E-02	8.01E-02	5.75E-02
652.8	2.31E-02	8.19E-02	5.87E-02
653.9	2.43E-02	8.37E-02	5.96E-02
655	2.51E-02	8.53E-02	6.06E-02
656.1	2.60E-02	8.67E-02	6.13E-02
657.1	2.69E-02	8.81E-02	6.18E-02
658.2	2.77E-02	8.94E-02	6.23E-02
659.3	2.81E-02	9.07E-02	6.27E-02
660.4	2.81E-02	9.16E-02	6.28E-02
661.4	2.86E-02	9.26E-02	6.33E-02
662.5	2.91E-02	9.20E-02	6.31E-02
663.6	2.96E-02	9.19E-02	6.33E-02
664.7	2.90E-02	9.09E-02	6.22E-02
665.7	2.81E-02	8.99E-02	6.09E-02
666.8	2.77E-02	8.83E-02	5.96E-02
667.9	2.69E-02	8.59E-02	5.81E-02
669	2.58E-02	8.37E-02	5.68E-02
670.1	2.45E-02	8.14E-02	5.53E-02

5pH Spectroscopy Curves

671.1	2.32E-02	7.94E-02	5.37E-02
672.2	2.26E-02	7.71E-02	5.27E-02
673.3	2.11E-02	7.45E-02	5.09E-02
674.3	2.02E-02	7.33E-02	4.98E-02
675.4	1.90E-02	7.17E-02	4.82E-02
676.5	1.88E-02	7.07E-02	4.73E-02
677.6	1.79E-02	6.89E-02	4.61E-02
678.6	1.74E-02	6.78E-02	4.58E-02
679.7	1.67E-02	6.61E-02	4.52E-02
680.8	1.61E-02	6.51E-02	4.45E-02
681.9	1.52E-02	6.39E-02	4.38E-02
682.9	1.46E-02	6.34E-02	4.29E-02
684	1.44E-02	6.26E-02	4.26E-02
685.1	1.42E-02	6.23E-02	4.19E-02
686.2	1.38E-02	6.19E-02	4.12E-02
687.2	1.38E-02	6.23E-02	4.15E-02
688.3	1.39E-02	6.19E-02	4.14E-02
689.4	1.38E-02	6.16E-02	4.12E-02
690.4	1.32E-02	6.07E-02	4.00E-02
691.5	1.35E-02	6.07E-02	3.95E-02
692.6	1.31E-02	6.05E-02	3.96E-02
693.7	1.28E-02	6.00E-02	3.92E-02
694.7	1.24E-02	5.95E-02	3.85E-02
695.8	1.19E-02	5.96E-02	3.81E-02
696.9	1.24E-02	5.96E-02	3.77E-02
698	1.26E-02	5.98E-02	3.79E-02
699	1.31E-02	5.94E-02	3.87E-02
700.1	1.28E-02	5.93E-02	3.87E-02
701.2	1.20E-02	5.86E-02	3.84E-02
702.2	1.18E-02	5.89E-02	3.74E-02
703.3	1.19E-02	5.86E-02	3.75E-02
704.4	1.23E-02	5.87E-02	3.79E-02
705.5	1.26E-02	5.85E-02	3.73E-02
706.6	1.15E-02	5.83E-02	3.67E-02
707.7	1.17E-02	5.84E-02	3.60E-02
708.8	1.14E-02	5.84E-02	3.64E-02
709.9	1.24E-02	5.84E-02	3.65E-02
711	1.24E-02	5.81E-02	3.60E-02
712.1	1.20E-02	5.81E-02	3.59E-02
713.2	1.20E-02	5.85E-02	3.58E-02
714.3	1.18E-02	5.89E-02	3.65E-02
715.4	1.23E-02	5.94E-02	3.67E-02
716.5	1.15E-02	5.94E-02	3.61E-02
717.6	1.13E-02	5.92E-02	3.62E-02

5pH Spectroscopy Curves

718.8	1.11E-02	5.89E-02	3.61E-02
719.9	1.12E-02	5.89E-02	3.69E-02
721	1.13E-02	5.92E-02	3.64E-02
722.1	1.13E-02	5.94E-02	3.69E-02
723.2	1.15E-02	5.96E-02	3.71E-02
724.3	1.15E-02	5.94E-02	3.73E-02
725.4	1.11E-02	5.92E-02	3.73E-02
726.5	1.14E-02	5.93E-02	3.75E-02
727.6	1.17E-02	5.98E-02	3.80E-02
728.7	1.20E-02	6.01E-02	3.76E-02
729.8	1.13E-02	5.95E-02	3.76E-02
731	1.10E-02	5.91E-02	3.71E-02
732.1	1.13E-02	5.91E-02	3.74E-02
733.2	1.23E-02	5.99E-02	3.75E-02
734.3	1.28E-02	6.00E-02	3.77E-02
735.4	1.27E-02	6.02E-02	3.76E-02
736.5	1.27E-02	5.96E-02	3.68E-02
737.6	1.23E-02	6.01E-02	3.66E-02
738.7	1.27E-02	6.03E-02	3.68E-02
739.8	1.28E-02	6.07E-02	3.70E-02
740.9	1.32E-02	6.08E-02	3.72E-02
742.1	1.34E-02	6.10E-02	3.74E-02
743.2	1.39E-02	6.17E-02	3.77E-02
744.3	1.44E-02	6.25E-02	3.78E-02
745.4	1.42E-02	6.26E-02	3.77E-02
746.5	1.41E-02	6.22E-02	3.74E-02
747.6	1.37E-02	6.22E-02	3.72E-02
748.7	1.44E-02	6.29E-02	3.72E-02
749.8	1.45E-02	6.37E-02	3.76E-02
750.9	1.53E-02	6.36E-02	3.76E-02
752	1.48E-02	6.30E-02	3.77E-02
753.1	1.52E-02	6.30E-02	3.81E-02
754.3	1.48E-02	6.32E-02	3.83E-02
755.4	1.47E-02	6.35E-02	3.80E-02
756.5	1.44E-02	6.37E-02	3.78E-02
757.6	1.46E-02	6.36E-02	3.78E-02
758.7	1.50E-02	6.35E-02	3.78E-02
759.8	1.49E-02	6.36E-02	3.77E-02
760.9	1.50E-02	6.39E-02	3.80E-02
762	1.49E-02	6.44E-02	3.87E-02
763.1	1.49E-02	6.47E-02	3.90E-02
764.2	1.51E-02	6.48E-02	3.93E-02
765.3	1.55E-02	6.53E-02	3.95E-02
766.5	1.62E-02	6.60E-02	3.96E-02

5pH Spectroscopy Curves

767.6	1.65E-02	6.67E-02	3.97E-02
768.7	1.63E-02	6.61E-02	3.96E-02
769.8	1.55E-02	6.56E-02	3.94E-02
770.9	1.55E-02	6.52E-02	3.90E-02
772	1.56E-02	6.55E-02	3.87E-02
773.1	1.59E-02	6.59E-02	3.87E-02
774.2	1.59E-02	6.63E-02	3.82E-02
775.3	1.63E-02	6.75E-02	3.81E-02
776.4	1.69E-02	6.74E-02	3.84E-02
777.6	1.73E-02	6.79E-02	3.96E-02
778.7	1.73E-02	6.71E-02	3.99E-02
779.8	1.76E-02	6.73E-02	3.98E-02
780.9	1.71E-02	6.68E-02	3.90E-02
782	1.71E-02	6.66E-02	3.87E-02
783.1	1.70E-02	6.68E-02	3.84E-02
784.2	1.72E-02	6.70E-02	3.80E-02
785.3	1.75E-02	6.74E-02	3.80E-02
786.4	1.74E-02	6.68E-02	3.82E-02
787.5	1.74E-02	6.63E-02	3.83E-02
788.6	1.68E-02	6.61E-02	3.85E-02
789.8	1.75E-02	6.67E-02	3.77E-02
790.9	1.79E-02	6.75E-02	3.78E-02
792	1.84E-02	6.78E-02	3.75E-02
793.1	1.77E-02	6.81E-02	3.76E-02
794.2	1.82E-02	6.76E-02	3.80E-02
795.3	1.85E-02	6.74E-02	3.79E-02
796.4	1.88E-02	6.78E-02	3.85E-02
797.5	1.88E-02	6.80E-02	3.92E-02
798.6	1.87E-02	6.83E-02	3.97E-02
799.7	1.87E-02	6.76E-02	4.01E-02
800.8	1.84E-02	6.72E-02	3.97E-02
802	1.81E-02	6.64E-02	3.90E-02
803.1	1.76E-02	6.59E-02	3.88E-02
804.2	1.78E-02	6.60E-02	3.87E-02
805.3	1.88E-02	6.67E-02	3.95E-02
806.4	1.92E-02	6.66E-02	3.94E-02
807.5	1.84E-02	6.65E-02	3.92E-02
808.6	1.87E-02	6.65E-02	3.91E-02
809.7	1.87E-02	6.65E-02	3.90E-02
810.8	1.94E-02	6.72E-02	3.92E-02
811.9	1.87E-02	6.74E-02	3.91E-02
813.1	1.94E-02	6.80E-02	3.94E-02
814.2	1.95E-02	6.77E-02	3.89E-02
815.3	2.00E-02	6.71E-02	3.85E-02

5pH Spectroscopy Curves

816.4	2.01E-02	6.68E-02	3.88E-02
817.5	2.05E-02	6.71E-02	3.92E-02
818.6	2.01E-02	6.78E-02	3.92E-02
819.7	2.02E-02	6.87E-02	3.93E-02
820.8	2.00E-02	6.86E-02	3.89E-02
821.9	2.06E-02	6.83E-02	3.95E-02
823	2.07E-02	6.77E-02	3.88E-02
824.1	2.12E-02	6.84E-02	3.97E-02
825.3	2.13E-02	6.89E-02	3.97E-02
826.4	2.09E-02	6.89E-02	4.00E-02
827.5	2.06E-02	6.84E-02	3.94E-02
828.6	2.04E-02	6.83E-02	3.98E-02
829.7	2.08E-02	6.85E-02	3.97E-02
830.8	2.08E-02	6.81E-02	3.95E-02
831.9	2.03E-02	6.76E-02	3.87E-02
833	2.04E-02	6.75E-02	3.85E-02
834	2.04E-02	6.76E-02	3.83E-02
835.1	2.13E-02	6.82E-02	3.88E-02
836.1	2.08E-02	6.80E-02	3.95E-02
837.2	2.10E-02	6.75E-02	3.91E-02
838.2	2.10E-02	6.70E-02	3.94E-02
839.3	2.17E-02	6.64E-02	3.89E-02
840.3	2.15E-02	6.71E-02	4.00E-02
841.4	2.11E-02	6.72E-02	3.99E-02
842.4	2.05E-02	6.81E-02	4.01E-02
843.5	2.06E-02	6.75E-02	3.99E-02
844.5	2.10E-02	6.76E-02	3.99E-02
845.6	2.04E-02	6.72E-02	4.01E-02
846.6	2.04E-02	6.74E-02	4.01E-02
847.7	2.00E-02	6.74E-02	4.07E-02
848.7	1.98E-02	6.71E-02	4.05E-02
849.8	2.01E-02	6.67E-02	4.09E-02
850.8	1.90E-02	6.62E-02	4.03E-02
851.9	1.91E-02	6.64E-02	4.06E-02
852.9	1.82E-02	6.64E-02	4.02E-02
854	1.85E-02	6.63E-02	3.97E-02
855	1.88E-02	6.62E-02	3.95E-02
856.1	1.84E-02	6.60E-02	3.94E-02
857.1	1.86E-02	6.54E-02	3.90E-02
858.2	1.75E-02	6.42E-02	3.87E-02
859.2	1.72E-02	6.39E-02	3.77E-02
860.3	1.77E-02	6.41E-02	3.75E-02
861.4	1.78E-02	6.47E-02	3.70E-02
862.4	1.78E-02	6.44E-02	3.73E-02

5pH Spectroscopy Curves

863.5	1.61E-02	6.41E-02	3.68E-02
864.5	1.61E-02	6.32E-02	3.63E-02
865.6	1.64E-02	6.34E-02	3.63E-02
866.6	1.70E-02	6.32E-02	3.65E-02
867.7	1.74E-02	6.39E-02	3.71E-02
868.7	1.66E-02	6.36E-02	3.66E-02
869.8	1.69E-02	6.39E-02	3.70E-02
870.8	1.59E-02	6.38E-02	3.64E-02
871.9	1.59E-02	6.38E-02	3.62E-02
872.9	1.51E-02	6.30E-02	3.51E-02
874	1.55E-02	6.31E-02	3.49E-02
875	1.60E-02	6.32E-02	3.48E-02
876.1	1.48E-02	6.32E-02	3.40E-02
877.1	1.49E-02	6.30E-02	3.41E-02
878.2	1.35E-02	6.23E-02	3.30E-02
879.2	1.37E-02	6.26E-02	3.31E-02
880.3	1.40E-02	6.28E-02	3.26E-02
881.3	1.43E-02	6.46E-02	3.37E-02
882.4	1.53E-02	6.55E-02	3.40E-02
883.4	1.50E-02	6.59E-02	3.41E-02
884.5	1.45E-02	6.51E-02	3.30E-02
885.5	1.43E-02	6.53E-02	3.34E-02
886.6	1.39E-02	6.58E-02	3.37E-02
887.6	1.47E-02	6.58E-02	3.36E-02
888.7	1.40E-02	6.62E-02	3.42E-02
889.7	1.44E-02	6.60E-02	3.46E-02
890.8	1.42E-02	6.71E-02	3.55E-02
891.9	1.53E-02	6.71E-02	3.54E-02
892.9	1.60E-02	6.82E-02	3.52E-02
894	1.58E-02	6.82E-02	3.53E-02
895	1.56E-02	6.80E-02	3.48E-02
896.1	1.50E-02	6.75E-02	3.44E-02
897.1	1.47E-02	6.75E-02	3.48E-02
898.2	1.58E-02	6.81E-02	3.50E-02
899.2	1.63E-02	6.93E-02	3.57E-02
900.3	1.65E-02	6.94E-02	3.59E-02
901.3	1.65E-02	7.01E-02	3.59E-02
902.4	1.61E-02	7.05E-02	3.71E-02
903.4	1.85E-02	7.22E-02	3.80E-02
904.5	1.91E-02	7.27E-02	3.95E-02
905.5	2.09E-02	7.22E-02	3.85E-02
906.6	2.16E-02	7.27E-02	3.84E-02
907.6	2.14E-02	7.31E-02	3.88E-02
908.7	2.23E-02	7.44E-02	4.21E-02

5pH Spectroscopy Curves

909.7	2.21E-02	7.56E-02	4.37E-02
910.8	2.40E-02	7.63E-02	4.50E-02
911.8	2.60E-02	7.74E-02	4.44E-02
912.9	2.82E-02	7.85E-02	4.61E-02
913.9	3.04E-02	8.01E-02	4.76E-02
915	3.14E-02	8.17E-02	4.94E-02
916	3.17E-02	8.35E-02	5.05E-02
917.1	3.36E-02	8.38E-02	5.14E-02
918.1	3.36E-02	8.49E-02	5.18E-02
919.2	3.59E-02	8.52E-02	5.37E-02
920.3	3.63E-02	8.65E-02	5.48E-02
921.3	3.81E-02	8.80E-02	5.66E-02
922.4	3.96E-02	9.01E-02	5.74E-02
923.4	4.04E-02	9.04E-02	5.85E-02
924.5	4.10E-02	9.00E-02	5.89E-02
925.5	4.13E-02	8.88E-02	5.92E-02
926.6	4.25E-02	8.99E-02	5.99E-02
927.6	4.42E-02	9.03E-02	6.20E-02
928.7	4.51E-02	9.01E-02	6.25E-02
929.7	4.58E-02	9.11E-02	6.42E-02
930.8	4.65E-02	9.19E-02	6.37E-02
931.8	4.70E-02	9.24E-02	6.39E-02
932.9	4.77E-02	9.33E-02	6.51E-02
933.9	4.76E-02	9.25E-02	6.50E-02
935	4.74E-02	9.23E-02	6.54E-02
936	4.88E-02	9.29E-02	6.55E-02
937.1	4.98E-02	9.37E-02	6.59E-02
938.1	5.19E-02	9.56E-02	6.70E-02
939.2	5.22E-02	9.57E-02	6.73E-02
940.3	5.28E-02	9.61E-02	6.84E-02
941.3	5.37E-02	9.72E-02	6.97E-02
942.4	5.45E-02	9.75E-02	6.96E-02
943.4	5.61E-02	9.89E-02	7.05E-02
944.5	5.71E-02	9.97E-02	7.12E-02
945.5	5.80E-02	1.00E-01	7.18E-02
946.6	5.79E-02	1.01E-01	7.28E-02
947.6	5.91E-02	1.02E-01	7.26E-02
948.7	5.97E-02	1.02E-01	7.22E-02
949.7	6.11E-02	1.03E-01	7.18E-02

5.5pH Spectroscopy Curves

Wavelength (nm)	Sample 1	Sample 2	Sample 3
380.5	4.39E-03	4.39E-03	-4.35E-03
381.6	4.21E-03	6.82E-03	1.13E-03
382.8	1.97E-03	5.65E-03	1.83E-03
383.9	6.54E-05	6.39E-03	-3.97E-03
385.1	-1.58E-03	3.70E-03	-7.14E-03
386.2	-4.60E-03	4.54E-03	-6.24E-03
387.4	-1.40E-03	1.09E-02	-2.26E-04
388.5	-1.85E-03	1.36E-02	2.81E-03
389.7	2.11E-03	1.81E-02	9.35E-03
390.8	9.71E-04	2.08E-02	1.21E-02
392	3.92E-03	2.55E-02	1.89E-02
393.1	6.06E-03	3.04E-02	2.71E-02
394.3	8.17E-03	3.46E-02	3.49E-02
395.4	7.37E-03	3.91E-02	4.11E-02
396.6	5.17E-03	4.06E-02	4.49E-02
397.7	4.89E-03	4.34E-02	5.10E-02
398.9	5.16E-03	4.34E-02	5.45E-02
400	7.57E-03	4.61E-02	5.90E-02
401.2	1.03E-02	4.53E-02	6.00E-02
402.3	1.50E-02	4.70E-02	6.17E-02
403.5	1.89E-02	4.71E-02	6.19E-02
404.6	2.31E-02	4.95E-02	6.45E-02
405.8	2.77E-02	5.08E-02	6.64E-02
406.9	3.24E-02	5.26E-02	6.98E-02
408.1	3.58E-02	5.40E-02	7.03E-02
409.2	3.78E-02	5.46E-02	7.20E-02
410.4	3.84E-02	5.48E-02	7.30E-02
411.5	3.97E-02	5.56E-02	7.60E-02
412.7	4.04E-02	5.70E-02	7.77E-02
413.8	4.25E-02	5.75E-02	7.92E-02
415	4.29E-02	5.79E-02	7.90E-02
416.1	4.48E-02	5.91E-02	7.95E-02
417.3	4.55E-02	6.08E-02	7.95E-02
418.4	4.69E-02	6.19E-02	8.02E-02
419.6	4.74E-02	6.21E-02	8.05E-02
420.7	4.82E-02	6.30E-02	8.10E-02
421.9	4.85E-02	6.29E-02	8.12E-02
423	4.88E-02	6.37E-02	8.27E-02
424.2	4.88E-02	6.35E-02	8.22E-02
425.3	4.90E-02	6.41E-02	8.31E-02
426.5	4.99E-02	6.46E-02	8.38E-02
427.6	5.08E-02	6.45E-02	8.48E-02
428.8	5.19E-02	6.46E-02	8.52E-02

5.5pH Spectroscopy Curves

429.9	5.17E-02	6.51E-02	8.45E-02
431.1	5.22E-02	6.61E-02	8.50E-02
432.2	5.23E-02	6.64E-02	8.45E-02
433.4	5.31E-02	6.56E-02	8.40E-02
434.5	5.24E-02	6.52E-02	8.30E-02
435.7	5.21E-02	6.51E-02	8.18E-02
436.8	5.10E-02	6.51E-02	8.06E-02
438	5.11E-02	6.52E-02	8.02E-02
439.1	5.11E-02	6.45E-02	8.01E-02
440.3	5.02E-02	6.38E-02	7.91E-02
441.4	4.99E-02	6.24E-02	7.80E-02
442.6	4.88E-02	6.17E-02	7.66E-02
443.7	4.80E-02	5.99E-02	7.57E-02
444.9	4.64E-02	5.91E-02	7.44E-02
446	4.54E-02	5.75E-02	7.37E-02
447.2	4.42E-02	5.66E-02	7.21E-02
448.3	4.29E-02	5.52E-02	7.09E-02
449.5	4.19E-02	5.44E-02	6.85E-02
450.6	4.13E-02	5.33E-02	6.85E-02
451.8	4.08E-02	5.17E-02	6.65E-02
452.9	3.96E-02	5.00E-02	6.62E-02
454.1	3.92E-02	4.88E-02	6.36E-02
455.2	3.87E-02	4.82E-02	6.43E-02
456.4	3.82E-02	4.71E-02	6.44E-02
457.5	3.73E-02	4.56E-02	6.41E-02
458.7	3.70E-02	4.49E-02	6.17E-02
459.8	3.79E-02	4.49E-02	5.97E-02
461	3.73E-02	4.40E-02	5.74E-02
462.1	3.73E-02	4.30E-02	5.71E-02
463.3	3.60E-02	4.25E-02	5.65E-02
464.4	3.62E-02	4.25E-02	5.74E-02
465.6	3.59E-02	4.22E-02	5.64E-02
466.7	3.56E-02	4.30E-02	5.61E-02
467.9	3.62E-02	4.47E-02	5.59E-02
469	3.60E-02	4.59E-02	5.45E-02
470.2	3.61E-02	4.65E-02	5.31E-02
471.3	3.51E-02	4.66E-02	5.14E-02
472.5	3.42E-02	4.59E-02	5.12E-02
473.6	3.27E-02	4.41E-02	5.01E-02
474.8	3.18E-02	4.23E-02	5.05E-02
475.9	3.12E-02	4.09E-02	4.90E-02
477.1	3.11E-02	4.03E-02	4.85E-02
478.2	3.03E-02	3.93E-02	4.61E-02
479.4	3.03E-02	3.75E-02	4.54E-02

5.5pH Spectroscopy Curves

480.5	2.81E-02	3.51E-02	4.29E-02
481.7	2.65E-02	3.29E-02	4.18E-02
482.8	2.52E-02	3.19E-02	4.00E-02
484	2.48E-02	3.01E-02	3.86E-02
485.1	2.45E-02	2.82E-02	3.77E-02
486.3	2.34E-02	2.63E-02	3.69E-02
487.4	2.24E-02	2.55E-02	3.64E-02
488.6	2.05E-02	2.44E-02	3.40E-02
489.7	1.86E-02	2.17E-02	3.16E-02
490.9	1.74E-02	1.87E-02	2.95E-02
492	1.72E-02	1.77E-02	2.92E-02
493.2	1.63E-02	1.61E-02	2.85E-02
494.3	1.67E-02	1.65E-02	2.84E-02
495.5	1.65E-02	1.55E-02	2.76E-02
496.6	1.72E-02	1.50E-02	2.75E-02
497.8	1.60E-02	1.32E-02	2.61E-02
498.9	1.52E-02	1.23E-02	2.51E-02
500.1	1.41E-02	1.06E-02	2.43E-02
501.2	1.37E-02	1.01E-02	2.31E-02
502.4	1.33E-02	9.13E-03	2.15E-02
503.5	1.31E-02	1.07E-02	1.99E-02
504.6	1.31E-02	1.03E-02	2.02E-02
505.8	1.15E-02	9.96E-03	2.01E-02
506.9	1.05E-02	8.19E-03	1.88E-02
508.1	9.70E-03	6.70E-03	1.69E-02
509.2	1.05E-02	6.38E-03	1.64E-02
510.4	1.16E-02	6.94E-03	1.68E-02
511.6	1.18E-02	8.14E-03	1.63E-02
512.6	1.18E-02	8.03E-03	1.57E-02
513.7	1.07E-02	6.41E-03	1.39E-02
514.7	1.12E-02	5.07E-03	1.38E-02
515.8	1.02E-02	4.31E-03	1.27E-02
516.9	1.02E-02	4.11E-03	1.24E-02
517.9	9.18E-03	4.75E-03	1.24E-02
519	9.25E-03	4.81E-03	1.20E-02
520.1	9.15E-03	6.13E-03	1.27E-02
521.1	9.36E-03	6.00E-03	1.20E-02
522.2	1.02E-02	6.68E-03	1.25E-02
523.3	9.71E-03	6.17E-03	1.17E-02
524.3	9.86E-03	6.22E-03	1.16E-02
525.4	9.22E-03	5.69E-03	1.11E-02
526.5	9.49E-03	5.01E-03	1.12E-02
527.5	9.56E-03	4.74E-03	1.12E-02
528.6	9.79E-03	4.47E-03	1.11E-02

5.5pH Spectroscopy Curves

529.7	1.06E-02	4.16E-03	1.08E-02
530.7	9.88E-03	2.98E-03	1.05E-02
531.8	9.58E-03	2.65E-03	1.06E-02
532.9	7.91E-03	2.57E-03	1.02E-02
533.9	8.21E-03	2.68E-03	1.04E-02
535	7.57E-03	2.25E-03	1.06E-02
536.1	8.21E-03	1.96E-03	1.15E-02
537.1	8.78E-03	2.00E-03	1.22E-02
538.2	8.53E-03	1.33E-03	1.24E-02
539.2	9.28E-03	1.59E-03	1.30E-02
540.3	9.00E-03	1.97E-03	1.24E-02
541.4	9.35E-03	1.84E-03	1.21E-02
542.4	7.75E-03	4.68E-04	1.14E-02
543.5	7.86E-03	-1.30E-04	1.12E-02
544.6	7.23E-03	2.85E-04	1.20E-02
545.6	7.59E-03	1.09E-03	1.22E-02
546.7	5.92E-03	-9.93E-05	1.27E-02
547.8	6.86E-03	-9.50E-04	1.18E-02
548.8	6.48E-03	-1.07E-03	1.11E-02
549.9	6.40E-03	-6.44E-04	1.09E-02
551	6.00E-03	-2.08E-04	1.11E-02
552	5.44E-03	-5.94E-04	1.12E-02
553.1	5.96E-03	-1.24E-03	1.07E-02
554.2	5.53E-03	-1.86E-03	1.05E-02
555.2	5.94E-03	-2.37E-03	1.08E-02
556.3	6.24E-03	-1.71E-03	1.20E-02
557.4	6.60E-03	-1.82E-03	1.21E-02
558.4	7.70E-03	-1.19E-03	1.26E-02
559.5	8.07E-03	-8.53E-04	1.30E-02
560.6	7.82E-03	-6.95E-04	1.36E-02
561.6	7.53E-03	-9.61E-04	1.51E-02
562.7	7.61E-03	-1.28E-03	1.52E-02
563.7	7.67E-03	-1.56E-03	1.54E-02
564.8	7.10E-03	-1.93E-03	1.39E-02
565.9	5.32E-03	-2.49E-03	1.28E-02
566.9	5.09E-03	-2.57E-03	1.18E-02
568	4.93E-03	-1.82E-03	1.22E-02
569.1	5.32E-03	-1.30E-03	1.23E-02
570.1	5.20E-03	-4.65E-04	1.27E-02
571.2	5.12E-03	-7.36E-04	1.30E-02
572.3	5.96E-03	-3.19E-04	1.30E-02
573.3	6.50E-03	-7.80E-04	1.34E-02
574.4	6.86E-03	-5.59E-04	1.32E-02
575.5	6.71E-03	-5.55E-04	1.37E-02

5.5pH Spectroscopy Curves

576.5	6.36E-03	-1.44E-04	1.39E-02
577.6	5.80E-03	-1.91E-04	1.41E-02
578.7	5.64E-03	1.55E-05	1.40E-02
579.7	5.45E-03	1.28E-04	1.29E-02
580.8	5.66E-03	1.05E-03	1.35E-02
581.9	4.86E-03	8.22E-04	1.32E-02
582.9	5.81E-03	1.23E-03	1.44E-02
584	6.07E-03	8.22E-04	1.30E-02
585.1	6.85E-03	1.52E-03	1.32E-02
586.1	5.55E-03	7.46E-04	1.29E-02
587.2	5.35E-03	6.01E-04	1.34E-02
588.3	4.85E-03	-1.77E-04	1.33E-02
589.3	5.75E-03	6.47E-04	1.37E-02
590.4	5.65E-03	2.27E-04	1.41E-02
591.5	5.94E-03	-3.72E-04	1.46E-02
592.6	5.64E-03	-2.73E-04	1.42E-02
593.6	6.17E-03	6.79E-04	1.45E-02
594.7	6.65E-03	1.26E-03	1.39E-02
595.8	6.32E-03	1.05E-03	1.42E-02
596.9	5.98E-03	7.62E-04	1.35E-02
598	5.09E-03	4.76E-04	1.32E-02
599	6.02E-03	4.20E-04	1.32E-02
600.1	5.63E-03	1.15E-04	1.31E-02
601.2	6.22E-03	2.56E-04	1.47E-02
602.3	5.71E-03	4.32E-04	1.45E-02
603.3	6.45E-03	3.20E-04	1.48E-02
604.4	7.13E-03	1.17E-03	1.41E-02
605.5	7.25E-03	7.25E-04	1.49E-02
606.6	7.53E-03	1.32E-03	1.51E-02
607.6	6.70E-03	7.34E-04	1.39E-02
608.7	6.83E-03	1.25E-03	1.40E-02
609.8	6.45E-03	1.14E-03	1.40E-02
610.9	7.63E-03	1.76E-03	1.54E-02
611.9	7.22E-03	1.54E-03	1.48E-02
613	7.44E-03	2.03E-03	1.50E-02
614.1	6.54E-03	2.14E-03	1.44E-02
615.2	6.75E-03	3.32E-03	1.46E-02
616.2	6.44E-03	2.44E-03	1.43E-02
617.3	6.31E-03	2.92E-03	1.47E-02
618.4	6.21E-03	2.51E-03	1.42E-02
619.5	6.61E-03	3.10E-03	1.42E-02
620.6	6.26E-03	2.55E-03	1.38E-02
621.6	6.10E-03	1.77E-03	1.37E-02
622.7	6.20E-03	2.27E-03	1.39E-02

5.5pH Spectroscopy Curves

623.8	6.81E-03	2.66E-03	1.40E-02
624.9	6.62E-03	3.05E-03	1.37E-02
625.9	5.39E-03	3.00E-03	1.30E-02
627	5.50E-03	2.83E-03	1.23E-02
628.1	6.04E-03	3.00E-03	1.28E-02
629.2	6.68E-03	2.46E-03	1.34E-02
630.2	6.70E-03	3.23E-03	1.41E-02
631.3	6.28E-03	3.18E-03	1.44E-02
632.4	5.37E-03	2.90E-03	1.42E-02
633.5	5.27E-03	2.77E-03	1.39E-02
634.5	5.80E-03	3.12E-03	1.39E-02
635.6	6.71E-03	3.57E-03	1.36E-02
636.7	6.57E-03	3.14E-03	1.42E-02
637.8	6.39E-03	3.02E-03	1.50E-02
638.8	6.78E-03	3.22E-03	1.59E-02
639.9	6.88E-03	3.37E-03	1.63E-02
641	7.51E-03	3.80E-03	1.58E-02
642.1	7.87E-03	4.52E-03	1.66E-02
643.1	7.86E-03	5.45E-03	1.68E-02
644.2	8.27E-03	6.60E-03	1.80E-02
645.3	8.40E-03	7.67E-03	1.80E-02
646.4	1.01E-02	8.54E-03	1.91E-02
647.5	1.04E-02	9.85E-03	2.02E-02
648.5	1.15E-02	1.06E-02	2.09E-02
649.6	1.12E-02	1.13E-02	2.09E-02
650.7	1.24E-02	1.18E-02	2.06E-02
651.8	1.32E-02	1.34E-02	2.15E-02
652.8	1.51E-02	1.53E-02	2.27E-02
653.9	1.52E-02	1.61E-02	2.32E-02
655	1.59E-02	1.75E-02	2.35E-02
656.1	1.57E-02	1.89E-02	2.41E-02
657.1	1.68E-02	2.11E-02	2.58E-02
658.2	1.77E-02	2.24E-02	2.68E-02
659.3	1.92E-02	2.42E-02	2.73E-02
660.4	2.01E-02	2.52E-02	2.77E-02
661.4	2.05E-02	2.56E-02	2.86E-02
662.5	2.06E-02	2.53E-02	2.87E-02
663.6	2.17E-02	2.53E-02	2.88E-02
664.7	2.17E-02	2.55E-02	2.80E-02
665.7	2.02E-02	2.42E-02	2.74E-02
666.8	1.81E-02	2.28E-02	2.65E-02
667.9	1.66E-02	2.06E-02	2.56E-02
669	1.66E-02	2.00E-02	2.49E-02
670.1	1.51E-02	1.80E-02	2.28E-02

5.5pH Spectroscopy Curves

671.1	1.43E-02	1.66E-02	2.16E-02
672.2	1.28E-02	1.47E-02	2.04E-02
673.3	1.21E-02	1.31E-02	1.99E-02
674.3	1.00E-02	1.10E-02	1.82E-02
675.4	8.48E-03	8.97E-03	1.73E-02
676.5	6.98E-03	7.45E-03	1.56E-02
677.6	7.00E-03	6.29E-03	1.48E-02
678.6	6.67E-03	5.09E-03	1.35E-02
679.7	6.56E-03	4.06E-03	1.36E-02
680.8	5.73E-03	3.32E-03	1.35E-02
681.9	5.02E-03	3.36E-03	1.29E-02
682.9	4.96E-03	2.93E-03	1.17E-02
684	5.43E-03	2.49E-03	1.11E-02
685.1	5.44E-03	1.55E-03	1.09E-02
686.2	4.55E-03	1.23E-03	1.02E-02
687.2	4.20E-03	1.28E-03	9.31E-03
688.3	4.20E-03	1.31E-03	9.22E-03
689.4	4.69E-03	1.58E-03	9.97E-03
690.4	4.01E-03	1.11E-03	1.09E-02
691.5	4.17E-03	1.30E-03	1.12E-02
692.6	4.73E-03	1.75E-03	1.11E-02
693.7	4.83E-03	2.28E-03	1.10E-02
694.7	4.24E-03	1.77E-03	1.01E-02
695.8	3.90E-03	1.35E-03	1.01E-02
696.9	3.88E-03	1.77E-03	9.80E-03
698	4.25E-03	1.90E-03	9.88E-03
699	4.36E-03	1.61E-03	9.64E-03
700.1	4.29E-03	1.08E-03	9.02E-03
701.2	5.10E-03	1.89E-03	9.85E-03
702.2	4.93E-03	2.72E-03	1.00E-02
703.3	5.32E-03	2.49E-03	1.00E-02
704.4	4.59E-03	2.15E-03	9.54E-03
705.5	4.39E-03	1.30E-03	9.00E-03
706.6	4.33E-03	1.01E-03	8.60E-03
707.7	3.81E-03	1.05E-04	7.42E-03
708.8	3.79E-03	2.55E-04	7.32E-03
709.9	4.13E-03	7.66E-04	7.30E-03
711	4.29E-03	1.65E-03	7.89E-03
712.1	4.66E-03	1.74E-03	8.16E-03
713.2	4.11E-03	1.88E-03	8.85E-03
714.3	4.66E-03	1.61E-03	9.24E-03
715.4	4.64E-03	1.03E-03	8.19E-03
716.5	5.34E-03	9.43E-04	8.10E-03
717.6	5.55E-03	7.42E-04	8.22E-03

5.5pH Spectroscopy Curves

718.8	5.56E-03	1.01E-03	8.62E-03
719.9	5.60E-03	6.13E-04	8.24E-03
721	5.33E-03	7.49E-04	8.14E-03
722.1	5.74E-03	1.19E-03	9.02E-03
723.2	5.87E-03	1.33E-03	9.67E-03
724.3	6.03E-03	1.03E-03	9.48E-03
725.4	5.91E-03	8.61E-04	8.87E-03
726.5	5.95E-03	8.57E-04	8.75E-03
727.6	6.15E-03	4.58E-04	8.87E-03
728.7	5.51E-03	7.30E-04	8.79E-03
729.8	5.30E-03	1.02E-03	8.38E-03
731	5.80E-03	2.00E-03	8.38E-03
732.1	6.85E-03	2.26E-03	8.60E-03
733.2	6.80E-03	1.80E-03	8.10E-03
734.3	7.14E-03	1.33E-03	8.13E-03
735.4	6.64E-03	9.41E-04	8.60E-03
736.5	6.46E-03	1.18E-03	9.19E-03
737.6	5.98E-03	1.37E-03	9.51E-03
738.7	5.76E-03	1.54E-03	8.25E-03
739.8	6.29E-03	1.43E-03	8.32E-03
740.9	6.70E-03	1.97E-03	7.49E-03
742.1	7.08E-03	1.42E-03	7.89E-03
743.2	7.28E-03	2.60E-03	7.71E-03
744.3	6.72E-03	2.01E-03	8.24E-03
745.4	7.47E-03	2.68E-03	9.34E-03
746.5	6.97E-03	1.68E-03	9.03E-03
747.6	7.34E-03	2.25E-03	8.61E-03
748.7	7.28E-03	1.81E-03	7.75E-03
749.8	7.94E-03	2.13E-03	8.19E-03
750.9	7.42E-03	1.88E-03	8.19E-03
752	7.59E-03	2.73E-03	8.11E-03
753.1	6.91E-03	2.95E-03	8.24E-03
754.3	6.86E-03	2.67E-03	7.86E-03
755.4	6.20E-03	2.41E-03	7.59E-03
756.5	7.31E-03	2.20E-03	7.03E-03
757.6	7.68E-03	3.05E-03	7.13E-03
758.7	7.86E-03	3.09E-03	7.56E-03
759.8	7.10E-03	3.52E-03	7.92E-03
760.9	7.32E-03	4.22E-03	8.41E-03
762	7.46E-03	4.97E-03	7.87E-03
763.1	7.32E-03	4.63E-03	7.28E-03
764.2	6.72E-03	4.20E-03	6.86E-03
765.3	7.02E-03	3.56E-03	7.12E-03
766.5	6.80E-03	3.96E-03	7.31E-03

5.5pH Spectroscopy Curves

767.6	6.79E-03	3.32E-03	6.85E-03
768.7	6.61E-03	2.79E-03	6.69E-03
769.8	6.41E-03	2.47E-03	5.69E-03
770.9	7.03E-03	2.80E-03	6.69E-03
772	7.35E-03	3.31E-03	6.32E-03
773.1	7.88E-03	3.73E-03	7.29E-03
774.2	8.11E-03	3.92E-03	7.29E-03
775.3	8.25E-03	4.85E-03	8.54E-03
776.4	8.80E-03	4.98E-03	8.67E-03
777.6	8.93E-03	4.29E-03	7.13E-03
778.7	8.06E-03	3.59E-03	5.86E-03
779.8	6.93E-03	3.09E-03	5.13E-03
780.9	6.45E-03	4.01E-03	5.92E-03
782	7.47E-03	4.25E-03	6.51E-03
783.1	8.72E-03	5.35E-03	7.17E-03
784.2	8.83E-03	4.19E-03	6.63E-03
785.3	8.43E-03	4.10E-03	5.61E-03
786.4	8.17E-03	3.20E-03	5.77E-03
787.5	7.48E-03	3.60E-03	5.85E-03
788.6	7.71E-03	3.35E-03	6.50E-03
789.8	7.40E-03	3.45E-03	6.17E-03
790.9	7.82E-03	3.43E-03	6.30E-03
792	7.08E-03	2.62E-03	5.21E-03
793.1	7.59E-03	2.76E-03	3.68E-03
794.2	7.65E-03	1.96E-03	3.18E-03
795.3	8.26E-03	3.26E-03	3.87E-03
796.4	7.97E-03	3.06E-03	4.87E-03
797.5	8.40E-03	4.21E-03	5.68E-03
798.6	7.82E-03	2.93E-03	4.96E-03
799.7	7.37E-03	2.49E-03	4.84E-03
800.8	7.22E-03	1.70E-03	4.50E-03
802	7.39E-03	1.35E-03	4.82E-03
803.1	8.10E-03	1.06E-03	4.56E-03
804.2	8.49E-03	2.27E-03	4.32E-03
805.3	8.81E-03	3.41E-03	4.94E-03
806.4	8.37E-03	3.87E-03	4.59E-03
807.5	8.36E-03	3.48E-03	4.94E-03
808.6	7.23E-03	3.30E-03	4.48E-03
809.7	7.40E-03	3.76E-03	5.09E-03
810.8	7.20E-03	3.30E-03	5.18E-03
811.9	7.78E-03	2.77E-03	5.89E-03
813.1	7.40E-03	2.16E-03	5.72E-03
814.2	7.20E-03	1.72E-03	5.24E-03
815.3	7.46E-03	1.58E-03	4.77E-03

5.5pH Spectroscopy Curves

816.4	7.96E-03	9.37E-04	4.75E-03
817.5	7.85E-03	1.08E-03	4.68E-03
818.6	7.46E-03	1.94E-03	4.33E-03
819.7	7.39E-03	2.30E-03	4.51E-03
820.8	7.76E-03	2.74E-03	4.26E-03
821.9	7.75E-03	2.21E-03	4.32E-03
823	7.05E-03	2.41E-03	3.64E-03
824.1	7.00E-03	2.15E-03	4.21E-03
825.3	7.68E-03	1.30E-03	4.27E-03
826.4	8.61E-03	7.46E-04	4.91E-03
827.5	8.96E-03	1.32E-03	5.11E-03
828.6	9.18E-03	2.40E-03	4.50E-03
829.7	9.53E-03	3.16E-03	4.16E-03
830.8	8.95E-03	2.87E-03	3.52E-03
831.9	9.29E-03	3.06E-03	4.65E-03
833	8.81E-03	2.87E-03	4.38E-03
834	9.63E-03	3.40E-03	4.69E-03
835.1	8.52E-03	2.60E-03	3.52E-03
836.1	8.61E-03	3.09E-03	3.96E-03
837.2	7.86E-03	3.00E-03	3.71E-03
838.2	8.59E-03	3.37E-03	4.35E-03
839.3	8.69E-03	4.51E-03	4.17E-03
840.3	8.65E-03	4.79E-03	3.45E-03
841.4	8.16E-03	4.76E-03	2.93E-03
842.4	8.14E-03	3.05E-03	2.64E-03
843.5	8.32E-03	2.48E-03	3.28E-03
844.5	8.67E-03	3.66E-03	3.13E-03
845.6	8.30E-03	4.19E-03	3.20E-03
846.6	7.88E-03	4.33E-03	2.53E-03
847.7	8.13E-03	4.26E-03	3.48E-03
848.7	8.27E-03	3.60E-03	4.14E-03
849.8	8.45E-03	3.33E-03	3.36E-03
850.8	7.62E-03	1.84E-03	2.21E-03
851.9	8.29E-03	2.38E-03	2.70E-03
852.9	9.34E-03	3.23E-03	4.13E-03
854	1.03E-02	4.58E-03	4.44E-03
855	9.97E-03	4.68E-03	3.37E-03
856.1	8.99E-03	4.18E-03	2.06E-03
857.1	8.33E-03	3.17E-03	2.87E-03
858.2	8.23E-03	3.92E-03	3.04E-03
859.2	8.65E-03	4.60E-03	4.99E-03
860.3	9.64E-03	6.55E-03	3.77E-03
861.4	9.69E-03	6.02E-03	3.20E-03
862.4	7.90E-03	4.95E-03	2.51E-03

5.5pH Spectroscopy Curves

863.5	7.83E-03	4.31E-03	3.75E-03
864.5	8.16E-03	4.43E-03	4.21E-03
865.6	1.02E-02	5.52E-03	4.47E-03
866.6	8.68E-03	4.45E-03	2.65E-03
867.7	7.86E-03	4.45E-03	2.63E-03
868.7	7.37E-03	4.25E-03	1.19E-03
869.8	8.70E-03	5.18E-03	1.56E-03
870.8	9.59E-03	6.98E-03	1.09E-03
871.9	8.50E-03	6.68E-03	1.46E-03
872.9	8.69E-03	6.48E-03	1.02E-03
874	9.32E-03	5.25E-03	1.53E-03
875	1.14E-02	6.69E-03	1.05E-03
876.1	1.09E-02	8.38E-03	1.18E-03
877.1	1.04E-02	8.59E-03	-3.08E-05
878.2	9.98E-03	7.24E-03	3.16E-05
879.2	1.03E-02	7.20E-03	1.72E-03
880.3	1.04E-02	7.14E-03	9.54E-04
881.3	9.94E-03	9.51E-03	2.22E-03
882.4	1.03E-02	9.51E-03	1.36E-03
883.4	1.11E-02	1.08E-02	2.16E-03
884.5	1.24E-02	1.08E-02	2.49E-03
885.5	1.33E-02	1.16E-02	1.88E-03
886.6	1.33E-02	1.20E-02	3.60E-03
887.6	1.34E-02	1.18E-02	1.99E-03
888.7	1.36E-02	1.09E-02	1.87E-03
889.7	1.29E-02	1.15E-02	2.17E-03
890.8	1.19E-02	1.28E-02	1.47E-03
891.9	1.12E-02	1.38E-02	2.96E-03
892.9	1.16E-02	1.41E-02	5.84E-04
894	1.24E-02	1.39E-02	2.09E-03
895	1.30E-02	1.44E-02	2.29E-03
896.1	1.29E-02	1.49E-02	1.36E-03
897.1	1.30E-02	1.52E-02	6.66E-04
898.2	1.25E-02	1.69E-02	-6.31E-05
899.2	1.11E-02	1.61E-02	2.78E-04
900.3	1.01E-02	1.55E-02	-1.37E-04
901.3	9.03E-03	1.53E-02	-1.17E-03
902.4	9.38E-03	1.51E-02	-4.70E-04
903.4	1.08E-02	1.61E-02	2.67E-04
904.5	1.13E-02	1.44E-02	3.54E-04
905.5	1.17E-02	1.49E-02	2.47E-03
906.6	1.17E-02	1.48E-02	1.80E-03
907.6	9.99E-03	1.39E-02	2.14E-03
908.7	1.06E-02	1.41E-02	1.77E-03

5.5pH Spectroscopy Curves

909.7	1.01E-02	1.41E-02	2.80E-03
910.8	1.10E-02	1.36E-02	4.92E-03
911.8	1.12E-02	1.24E-02	4.74E-03
912.9	1.15E-02	1.24E-02	7.18E-03
913.9	1.22E-02	1.22E-02	6.01E-03
915	1.38E-02	1.31E-02	7.92E-03
916	1.31E-02	1.02E-02	7.01E-03
917.1	1.28E-02	1.02E-02	7.68E-03
918.1	1.14E-02	8.47E-03	7.03E-03
919.2	1.17E-02	8.17E-03	8.07E-03
920.3	1.18E-02	7.13E-03	8.92E-03
921.3	1.11E-02	5.49E-03	9.31E-03
922.4	1.11E-02	5.03E-03	9.59E-03
923.4	1.05E-02	4.86E-03	8.92E-03
924.5	9.39E-03	5.35E-03	1.02E-02
925.5	9.71E-03	4.85E-03	9.88E-03
926.6	1.01E-02	4.92E-03	1.19E-02
927.6	1.05E-02	4.42E-03	1.10E-02
928.7	9.75E-03	4.14E-03	1.09E-02
929.7	1.09E-02	3.61E-03	1.10E-02
930.8	1.17E-02	2.64E-03	1.19E-02
931.8	1.19E-02	2.33E-03	1.22E-02
932.9	1.11E-02	1.41E-03	1.23E-02
933.9	1.06E-02	5.55E-04	1.09E-02
935	1.09E-02	9.97E-04	1.27E-02
936	1.21E-02	-8.55E-05	1.27E-02
937.1	1.28E-02	7.46E-04	1.37E-02
938.1	1.32E-02	-1.29E-04	1.21E-02
939.2	1.32E-02	1.31E-03	1.26E-02
940.3	1.48E-02	2.81E-03	1.40E-02
941.3	1.63E-02	3.17E-03	1.48E-02
942.4	1.67E-02	3.71E-03	1.53E-02
943.4	1.73E-02	2.02E-03	1.55E-02
944.5	1.82E-02	2.76E-03	1.62E-02
945.5	1.87E-02	2.57E-03	1.58E-02
946.6	1.96E-02	4.19E-03	1.54E-02
947.6	1.99E-02	4.68E-03	1.51E-02
948.7	2.07E-02	5.24E-03	1.52E-02
949.7	2.07E-02	5.41E-03	1.58E-02

6pH Spectroscopy Curves

Wavelength (nm)	Sample 1	Sample 2	Sample 3
380.5	1.14E-02	2.71E-02	5.50E-02
381.6	1.19E-02	2.59E-02	5.14E-02
382.8	1.49E-02	2.71E-02	4.98E-02
383.9	1.15E-02	2.45E-02	4.56E-02
385.1	1.34E-02	2.63E-02	4.95E-02
386.2	1.44E-02	2.20E-02	5.07E-02
387.4	1.82E-02	2.55E-02	5.42E-02
388.5	1.83E-02	2.44E-02	5.19E-02
389.7	1.87E-02	2.47E-02	4.90E-02
390.8	1.54E-02	2.28E-02	4.72E-02
392	1.60E-02	2.29E-02	4.82E-02
393.1	1.66E-02	2.34E-02	5.00E-02
394.3	2.20E-02	2.63E-02	5.42E-02
395.4	2.42E-02	2.64E-02	5.67E-02
396.6	2.57E-02	2.68E-02	5.93E-02
397.7	2.55E-02	2.87E-02	6.28E-02
398.9	2.72E-02	3.09E-02	6.57E-02
400	2.95E-02	3.37E-02	6.88E-02
401.2	3.18E-02	3.65E-02	6.74E-02
402.3	3.46E-02	3.98E-02	6.49E-02
403.5	3.89E-02	4.27E-02	6.16E-02
404.6	4.30E-02	4.58E-02	6.11E-02
405.8	4.63E-02	4.97E-02	6.03E-02
406.9	4.78E-02	5.31E-02	5.90E-02
408.1	5.03E-02	5.60E-02	5.73E-02
409.2	5.28E-02	5.78E-02	5.69E-02
410.4	5.50E-02	5.99E-02	5.85E-02
411.5	5.53E-02	6.00E-02	5.91E-02
412.7	5.69E-02	6.22E-02	5.99E-02
413.8	5.84E-02	6.44E-02	6.00E-02
415	5.94E-02	6.67E-02	6.04E-02
416.1	5.94E-02	6.66E-02	6.07E-02
417.3	5.97E-02	6.68E-02	6.11E-02
418.4	6.11E-02	6.68E-02	6.14E-02
419.6	6.08E-02	6.75E-02	6.04E-02
420.7	6.17E-02	6.75E-02	5.94E-02
421.9	6.26E-02	6.79E-02	5.88E-02
423	6.40E-02	6.88E-02	6.04E-02
424.2	6.47E-02	6.88E-02	6.09E-02
425.3	6.43E-02	7.00E-02	6.19E-02
426.5	6.39E-02	6.99E-02	6.22E-02
427.6	6.24E-02	7.04E-02	6.29E-02
428.8	6.22E-02	7.02E-02	6.21E-02

6pH Spectroscopy Curves

429.9	6.26E-02	7.10E-02	6.23E-02
431.1	6.34E-02	7.20E-02	6.31E-02
432.2	6.34E-02	7.20E-02	6.45E-02
433.4	6.26E-02	7.14E-02	6.40E-02
434.5	6.16E-02	7.01E-02	6.28E-02
435.7	6.07E-02	6.97E-02	6.27E-02
436.8	5.96E-02	6.94E-02	6.26E-02
438	5.91E-02	6.95E-02	6.34E-02
439.1	5.75E-02	6.86E-02	6.09E-02
440.3	5.69E-02	6.81E-02	5.90E-02
441.4	5.60E-02	6.78E-02	5.74E-02
442.6	5.50E-02	6.71E-02	5.68E-02
443.7	5.40E-02	6.62E-02	5.67E-02
444.9	5.23E-02	6.44E-02	5.52E-02
446	5.14E-02	6.32E-02	5.42E-02
447.2	4.88E-02	6.10E-02	5.27E-02
448.3	4.81E-02	5.84E-02	5.00E-02
449.5	4.73E-02	5.67E-02	5.00E-02
450.6	4.81E-02	5.59E-02	4.86E-02
451.8	4.68E-02	5.63E-02	4.90E-02
452.9	4.54E-02	5.39E-02	4.78E-02
454.1	4.45E-02	5.28E-02	4.64E-02
455.2	4.44E-02	5.13E-02	4.58E-02
456.4	4.34E-02	5.10E-02	4.50E-02
457.5	4.18E-02	4.91E-02	4.67E-02
458.7	3.96E-02	4.89E-02	4.81E-02
459.8	3.93E-02	4.94E-02	4.97E-02
461	3.86E-02	4.88E-02	4.96E-02
462.1	3.85E-02	4.76E-02	4.99E-02
463.3	3.84E-02	4.71E-02	5.01E-02
464.4	3.82E-02	4.72E-02	5.05E-02
465.6	3.74E-02	4.62E-02	4.91E-02
466.7	3.70E-02	4.59E-02	4.92E-02
467.9	3.73E-02	4.56E-02	4.96E-02
469	3.80E-02	4.56E-02	5.06E-02
470.2	3.67E-02	4.59E-02	5.09E-02
471.3	3.55E-02	4.62E-02	5.23E-02
472.5	3.44E-02	4.54E-02	5.39E-02
473.6	3.37E-02	4.43E-02	5.56E-02
474.8	3.26E-02	4.47E-02	5.66E-02
475.9	3.26E-02	4.51E-02	5.74E-02
477.1	3.23E-02	4.37E-02	5.69E-02
478.2	3.21E-02	4.08E-02	5.52E-02
479.4	2.92E-02	3.91E-02	5.30E-02

6pH Spectroscopy Curves

480.5	2.85E-02	3.79E-02	5.21E-02
481.7	2.73E-02	3.65E-02	5.05E-02
482.8	2.64E-02	3.45E-02	5.09E-02
484	2.42E-02	3.27E-02	5.01E-02
485.1	2.27E-02	3.17E-02	5.02E-02
486.3	2.20E-02	3.02E-02	4.86E-02
487.4	2.17E-02	2.85E-02	4.80E-02
488.6	2.17E-02	2.63E-02	4.74E-02
489.7	2.14E-02	2.34E-02	4.66E-02
490.9	2.04E-02	2.33E-02	4.69E-02
492	1.86E-02	2.20E-02	4.67E-02
493.2	1.67E-02	2.18E-02	4.62E-02
494.3	1.62E-02	1.96E-02	4.62E-02
495.5	1.61E-02	1.93E-02	4.83E-02
496.6	1.56E-02	1.80E-02	4.84E-02
497.8	1.57E-02	1.70E-02	4.72E-02
498.9	1.33E-02	1.49E-02	4.42E-02
500.1	1.31E-02	1.41E-02	4.41E-02
501.2	1.08E-02	1.22E-02	4.29E-02
502.4	1.17E-02	1.12E-02	4.34E-02
503.5	1.17E-02	1.09E-02	4.40E-02
504.6	1.32E-02	1.15E-02	4.55E-02
505.8	1.25E-02	1.16E-02	4.66E-02
506.9	1.14E-02	1.06E-02	4.59E-02
508.1	1.02E-02	8.92E-03	4.54E-02
509.2	9.75E-03	8.20E-03	4.45E-02
510.4	9.06E-03	8.12E-03	4.42E-02
511.6	8.64E-03	7.55E-03	4.53E-02
512.6	7.85E-03	6.81E-03	4.52E-02
513.7	7.46E-03	5.69E-03	4.48E-02
514.7	7.95E-03	5.62E-03	4.43E-02
515.8	8.20E-03	5.36E-03	4.47E-02
516.9	9.08E-03	5.27E-03	4.60E-02
517.9	8.27E-03	4.43E-03	4.53E-02
519	8.72E-03	4.22E-03	4.55E-02
520.1	8.69E-03	3.68E-03	4.50E-02
521.1	7.97E-03	4.33E-03	4.50E-02
522.2	7.90E-03	4.82E-03	4.54E-02
523.3	7.29E-03	4.83E-03	4.55E-02
524.3	7.10E-03	4.28E-03	4.59E-02
525.4	6.28E-03	3.76E-03	4.53E-02
526.5	6.05E-03	4.80E-03	4.57E-02
527.5	6.67E-03	4.28E-03	4.50E-02
528.6	6.50E-03	3.92E-03	4.41E-02

6pH Spectroscopy Curves

529.7	6.26E-03	1.63E-03	4.32E-02
530.7	6.17E-03	2.32E-03	4.37E-02
531.8	5.75E-03	1.76E-03	4.39E-02
532.9	5.53E-03	2.57E-03	4.34E-02
533.9	5.47E-03	2.08E-03	4.11E-02
535	6.27E-03	2.19E-03	4.05E-02
536.1	5.51E-03	1.81E-03	3.92E-02
537.1	5.33E-03	2.15E-03	4.06E-02
538.2	4.33E-03	2.16E-03	4.12E-02
539.2	4.94E-03	3.50E-03	4.15E-02
540.3	4.87E-03	3.99E-03	4.15E-02
541.4	5.30E-03	4.73E-03	4.01E-02
542.4	5.44E-03	4.10E-03	4.07E-02
543.5	4.44E-03	2.95E-03	3.92E-02
544.6	3.55E-03	2.44E-03	3.99E-02
545.6	2.86E-03	2.71E-03	3.91E-02
546.7	3.09E-03	3.17E-03	3.95E-02
547.8	2.96E-03	2.44E-03	3.84E-02
548.8	2.88E-03	2.31E-03	3.85E-02
549.9	3.42E-03	2.34E-03	3.88E-02
551	4.53E-03	3.49E-03	3.88E-02
552	4.54E-03	2.60E-03	3.73E-02
553.1	3.62E-03	2.72E-03	3.65E-02
554.2	2.91E-03	2.97E-03	3.67E-02
555.2	2.17E-03	2.89E-03	3.63E-02
556.3	2.57E-03	3.03E-03	3.64E-02
557.4	2.48E-03	2.37E-03	3.56E-02
558.4	3.85E-03	2.46E-03	3.59E-02
559.5	3.66E-03	2.01E-03	3.52E-02
560.6	3.50E-03	1.72E-03	3.48E-02
561.6	3.03E-03	1.91E-03	3.46E-02
562.7	2.93E-03	2.42E-03	3.38E-02
563.7	3.31E-03	2.85E-03	3.32E-02
564.8	3.20E-03	3.49E-03	3.27E-02
565.9	2.87E-03	2.34E-03	3.28E-02
566.9	2.10E-03	2.33E-03	3.23E-02
568	1.98E-03	2.70E-03	3.21E-02
569.1	2.29E-03	3.47E-03	3.18E-02
570.1	2.57E-03	3.32E-03	3.09E-02
571.2	2.62E-03	2.58E-03	2.98E-02
572.3	2.70E-03	3.07E-03	2.93E-02
573.3	3.88E-03	3.53E-03	3.00E-02
574.4	5.31E-03	3.99E-03	3.06E-02
575.5	5.78E-03	3.19E-03	2.99E-02

6pH Spectroscopy Curves

576.5	4.96E-03	2.12E-03	2.85E-02
577.6	4.69E-03	2.02E-03	2.77E-02
578.7	4.49E-03	2.13E-03	2.71E-02
579.7	5.23E-03	3.49E-03	2.76E-02
580.8	3.85E-03	3.10E-03	2.66E-02
581.9	4.16E-03	3.77E-03	2.61E-02
582.9	4.22E-03	3.64E-03	2.53E-02
584	4.23E-03	4.16E-03	2.52E-02
585.1	3.49E-03	3.68E-03	2.51E-02
586.1	3.29E-03	3.63E-03	2.57E-02
587.2	3.84E-03	3.65E-03	2.62E-02
588.3	4.59E-03	3.50E-03	2.62E-02
589.3	3.66E-03	2.80E-03	2.61E-02
590.4	3.50E-03	2.74E-03	2.56E-02
591.5	3.03E-03	3.38E-03	2.61E-02
592.6	3.26E-03	4.53E-03	2.58E-02
593.6	3.03E-03	4.38E-03	2.53E-02
594.7	2.79E-03	4.74E-03	2.49E-02
595.8	2.86E-03	3.67E-03	2.41E-02
596.9	2.75E-03	3.74E-03	2.39E-02
598	3.03E-03	2.72E-03	2.36E-02
599	2.52E-03	2.56E-03	2.32E-02
600.1	2.58E-03	2.89E-03	2.34E-02
601.2	2.38E-03	3.38E-03	2.28E-02
602.3	3.50E-03	4.13E-03	2.28E-02
603.3	3.33E-03	3.41E-03	2.22E-02
604.4	3.04E-03	3.85E-03	2.24E-02
605.5	3.33E-03	4.89E-03	2.28E-02
606.6	3.73E-03	6.80E-03	2.32E-02
607.6	3.50E-03	6.89E-03	2.28E-02
608.7	2.90E-03	7.17E-03	2.28E-02
609.8	2.41E-03	6.15E-03	2.24E-02
610.9	3.20E-03	6.59E-03	2.34E-02
611.9	2.24E-03	6.64E-03	2.38E-02
613	3.16E-03	7.05E-03	2.47E-02
614.1	2.38E-03	6.17E-03	2.40E-02
615.2	2.43E-03	5.11E-03	2.31E-02
616.2	2.08E-03	5.38E-03	2.21E-02
617.3	2.23E-03	6.13E-03	2.29E-02
618.4	2.21E-03	6.27E-03	2.26E-02
619.5	2.02E-03	5.84E-03	2.28E-02
620.6	2.35E-03	5.54E-03	2.16E-02
621.6	2.85E-03	5.54E-03	2.09E-02
622.7	2.08E-03	4.32E-03	2.01E-02

6pH Spectroscopy Curves

623.8	1.73E-03	3.94E-03	1.91E-02
624.9	1.30E-03	2.93E-03	1.85E-02
625.9	1.63E-03	3.81E-03	1.81E-02
627	1.12E-03	3.51E-03	1.81E-02
628.1	1.91E-04	3.59E-03	1.82E-02
629.2	-6.82E-04	3.40E-03	1.77E-02
630.2	-7.17E-04	3.56E-03	1.76E-02
631.3	-7.47E-04	4.20E-03	1.87E-02
632.4	-9.82E-04	4.73E-03	2.02E-02
633.5	-7.40E-04	5.43E-03	2.24E-02
634.5	-4.79E-04	6.55E-03	2.26E-02
635.6	2.70E-04	6.60E-03	2.40E-02
636.7	3.85E-04	7.23E-03	2.37E-02
637.8	8.27E-04	6.74E-03	2.42E-02
638.8	1.36E-03	7.56E-03	2.41E-02
639.9	1.77E-03	7.13E-03	2.40E-02
641	1.72E-03	7.39E-03	2.40E-02
642.1	2.15E-03	7.34E-03	2.38E-02
643.1	2.44E-03	7.85E-03	2.42E-02
644.2	3.83E-03	8.93E-03	2.47E-02
645.3	5.11E-03	9.00E-03	2.48E-02
646.4	5.66E-03	9.18E-03	2.54E-02
647.5	6.45E-03	9.25E-03	2.56E-02
648.5	6.85E-03	1.07E-02	2.67E-02
649.6	8.26E-03	1.24E-02	2.82E-02
650.7	8.22E-03	1.38E-02	2.93E-02
651.8	9.19E-03	1.52E-02	2.98E-02
652.8	9.60E-03	1.67E-02	3.12E-02
653.9	1.18E-02	1.85E-02	3.34E-02
655	1.21E-02	1.98E-02	3.57E-02
656.1	1.30E-02	2.10E-02	3.71E-02
657.1	1.31E-02	2.25E-02	3.94E-02
658.2	1.39E-02	2.37E-02	4.06E-02
659.3	1.50E-02	2.49E-02	4.17E-02
660.4	1.56E-02	2.57E-02	4.19E-02
661.4	1.54E-02	2.57E-02	4.17E-02
662.5	1.48E-02	2.56E-02	4.13E-02
663.6	1.43E-02	2.52E-02	4.08E-02
664.7	1.49E-02	2.53E-02	3.99E-02
665.7	1.46E-02	2.46E-02	3.88E-02
666.8	1.43E-02	2.36E-02	3.76E-02
667.9	1.26E-02	2.08E-02	3.51E-02
669	1.09E-02	1.86E-02	3.33E-02
670.1	9.90E-03	1.64E-02	3.07E-02

6pH Spectroscopy Curves

671.1	8.47E-03	1.52E-02	2.93E-02
672.2	7.34E-03	1.39E-02	2.75E-02
673.3	5.64E-03	1.18E-02	2.54E-02
674.3	4.74E-03	1.06E-02	2.40E-02
675.4	3.43E-03	8.56E-03	2.18E-02
676.5	2.31E-03	7.79E-03	2.04E-02
677.6	1.43E-03	6.17E-03	1.83E-02
678.6	1.73E-03	6.43E-03	1.78E-02
679.7	8.47E-04	5.15E-03	1.63E-02
680.8	2.44E-04	4.45E-03	1.57E-02
681.9	-9.20E-04	3.15E-03	1.53E-02
682.9	-2.21E-03	1.68E-03	1.34E-02
684	-2.80E-03	1.14E-03	1.30E-02
685.1	-3.77E-03	7.93E-05	1.18E-02
686.2	-3.39E-03	-3.95E-04	1.12E-02
687.2	-3.46E-03	4.21E-04	1.17E-02
688.3	-3.67E-03	3.40E-05	1.10E-02
689.4	-3.82E-03	4.31E-04	1.15E-02
690.4	-3.99E-03	-2.71E-04	1.15E-02
691.5	-3.56E-03	-5.05E-04	1.08E-02
692.6	-3.48E-03	-6.48E-05	1.22E-02
693.7	-2.73E-03	-1.98E-05	1.19E-02
694.7	-2.77E-03	3.16E-04	1.18E-02
695.8	-2.20E-03	7.71E-04	1.20E-02
696.9	-3.47E-03	4.04E-04	1.12E-02
698	-3.18E-03	6.50E-04	1.19E-02
699	-3.24E-03	1.16E-03	1.16E-02
700.1	-3.15E-03	7.58E-04	1.13E-02
701.2	-2.80E-03	1.47E-03	1.24E-02
702.2	-3.14E-03	1.10E-04	1.17E-02
703.3	-2.95E-03	5.31E-04	1.24E-02
704.4	-3.99E-03	-8.52E-05	1.16E-02
705.5	-4.78E-03	-1.10E-03	1.04E-02
706.6	-4.82E-03	-8.30E-04	1.04E-02
707.7	-4.80E-03	-1.78E-03	8.80E-03
708.8	-4.53E-03	-1.10E-03	9.22E-03
709.9	-4.87E-03	-1.79E-03	7.63E-03
711	-4.66E-03	-2.54E-03	6.75E-03
712.1	-4.43E-03	-1.84E-03	7.33E-03
713.2	-4.47E-03	-2.35E-03	6.84E-03
714.3	-4.67E-03	-1.27E-03	8.29E-03
715.4	-4.99E-03	-2.11E-03	6.68E-03
716.5	-5.10E-03	-2.25E-03	6.63E-03
717.6	-5.08E-03	-1.84E-03	6.53E-03

6pH Spectroscopy Curves

718.8	-5.46E-03	-1.86E-03	6.76E-03
719.9	-4.75E-03	-1.69E-04	8.00E-03
721	-5.51E-03	-1.36E-03	6.47E-03
722.1	-4.84E-03	-4.95E-04	8.34E-03
723.2	-5.72E-03	-1.15E-03	8.23E-03
724.3	-5.24E-03	-5.63E-04	9.35E-03
725.4	-6.43E-03	-8.74E-04	8.40E-03
726.5	-6.45E-03	-1.34E-03	8.50E-03
727.6	-6.25E-03	-3.91E-04	1.01E-02
728.7	-4.96E-03	1.25E-04	9.84E-03
729.8	-4.29E-03	1.10E-03	1.12E-02
731	-4.48E-03	7.39E-04	9.76E-03
732.1	-5.41E-03	1.98E-04	1.01E-02
733.2	-5.93E-03	-2.94E-04	8.40E-03
734.3	-6.07E-03	-1.43E-03	7.46E-03
735.4	-5.59E-03	-1.75E-03	6.67E-03
736.5	-5.89E-03	-2.65E-03	5.83E-03
737.6	-6.06E-03	-2.25E-03	6.04E-03
738.7	-6.51E-03	-2.43E-03	4.68E-03
739.8	-6.75E-03	-2.65E-03	4.60E-03
740.9	-6.60E-03	-3.41E-03	3.28E-03
742.1	-6.80E-03	-3.96E-03	3.07E-03
743.2	-7.11E-03	-4.12E-03	1.87E-03
744.3	-6.98E-03	-3.74E-03	2.46E-03
745.4	-5.89E-03	-2.82E-03	3.40E-03
746.5	-5.69E-03	-3.33E-03	3.17E-03
747.6	-5.71E-03	-3.53E-03	2.45E-03
748.7	-7.02E-03	-4.28E-03	1.44E-03
749.8	-7.13E-03	-3.31E-03	2.94E-03
750.9	-7.64E-03	-3.23E-03	2.39E-03
752	-8.00E-03	-3.62E-03	2.02E-03
753.1	-8.75E-03	-4.24E-03	9.34E-04
754.3	-9.02E-03	-3.88E-03	2.14E-03
755.4	-7.85E-03	-3.73E-03	2.44E-03
756.5	-7.43E-03	-3.71E-03	2.57E-03
757.6	-7.14E-03	-3.60E-03	2.88E-03
758.7	-8.61E-03	-2.74E-03	3.14E-03
759.8	-9.10E-03	-2.85E-03	2.90E-03
760.9	-9.79E-03	-3.16E-03	2.87E-03
762	-8.64E-03	-2.74E-03	4.16E-03
763.1	-8.05E-03	-1.95E-03	4.59E-03
764.2	-7.44E-03	-1.58E-03	4.76E-03
765.3	-7.98E-03	-1.61E-03	4.23E-03
766.5	-8.06E-03	-1.29E-03	4.64E-03

6pH Spectroscopy Curves

767.6	-8.45E-03	-1.48E-03	4.46E-03
768.7	-8.73E-03	-1.53E-03	5.27E-03
769.8	-8.75E-03	-1.89E-03	5.15E-03
770.9	-8.71E-03	-1.68E-03	5.53E-03
772	-8.48E-03	-2.06E-03	4.94E-03
773.1	-8.56E-03	-9.13E-04	6.03E-03
774.2	-8.11E-03	-4.13E-04	5.89E-03
775.3	-7.29E-03	1.62E-04	6.31E-03
776.4	-5.97E-03	-1.35E-04	6.48E-03
777.6	-6.18E-03	-5.25E-04	6.25E-03
778.7	-7.15E-03	-1.99E-03	5.05E-03
779.8	-8.57E-03	-3.38E-03	2.87E-03
780.9	-8.76E-03	-3.59E-03	2.54E-03
782	-9.60E-03	-2.75E-03	1.99E-03
783.1	-8.40E-03	-2.43E-03	2.66E-03
784.2	-8.32E-03	-2.68E-03	2.10E-03
785.3	-7.22E-03	-3.67E-03	1.64E-03
786.4	-8.24E-03	-4.78E-03	7.22E-04
787.5	-8.31E-03	-4.40E-03	7.71E-04
788.6	-8.71E-03	-3.32E-03	1.89E-03
789.8	-8.26E-03	-2.25E-03	1.75E-03
790.9	-8.88E-03	-2.67E-03	1.11E-03
792	-8.95E-03	-2.94E-03	2.36E-04
793.1	-9.17E-03	-3.05E-03	9.56E-04
794.2	-9.01E-03	-3.54E-03	8.05E-04
795.3	-9.14E-03	-3.66E-03	5.74E-04
796.4	-8.79E-03	-3.03E-03	1.58E-03
797.5	-8.42E-03	-2.06E-03	2.98E-03
798.6	-8.33E-03	-1.76E-03	4.25E-03
799.7	-1.02E-02	-1.67E-03	3.50E-03
800.8	-1.01E-02	-1.84E-03	3.27E-03
802	-1.08E-02	-2.16E-03	3.18E-03
803.1	-8.99E-03	-1.37E-03	4.95E-03
804.2	-8.76E-03	-1.05E-03	5.31E-03
805.3	-8.44E-03	-1.06E-03	5.08E-03
806.4	-9.17E-03	-1.07E-03	4.34E-03
807.5	-9.81E-03	-1.38E-03	5.16E-03
808.6	-9.59E-03	-1.18E-03	4.71E-03
809.7	-9.41E-03	-1.79E-03	5.11E-03
810.8	-9.64E-03	-1.26E-03	4.46E-03
811.9	-9.43E-03	-1.41E-03	5.03E-03
813.1	-1.02E-02	-1.60E-03	3.78E-03
814.2	-9.73E-03	-1.63E-03	4.48E-03
815.3	-9.77E-03	-1.61E-03	3.72E-03

6pH Spectroscopy Curves

816.4	-9.63E-03	-2.16E-03	3.40E-03
817.5	-9.84E-03	-1.71E-03	3.00E-03
818.6	-9.48E-03	-1.35E-03	2.89E-03
819.7	-9.37E-03	-2.11E-03	2.11E-03
820.8	-9.01E-03	-2.65E-03	1.67E-03
821.9	-1.01E-02	-3.12E-03	1.99E-03
823	-1.04E-02	-2.67E-03	1.08E-03
824.1	-1.03E-02	-3.95E-03	5.30E-04
825.3	-9.83E-03	-4.57E-03	2.73E-04
826.4	-8.99E-03	-4.66E-03	1.62E-03
827.5	-1.01E-02	-4.61E-03	9.69E-04
828.6	-1.03E-02	-3.63E-03	1.67E-03
829.7	-1.13E-02	-4.04E-03	9.64E-04
830.8	-1.11E-02	-3.76E-03	9.44E-04
831.9	-1.09E-02	-4.58E-03	1.87E-03
833	-9.72E-03	-4.08E-03	2.16E-03
834	-9.45E-03	-4.30E-03	2.80E-03
835.1	-8.83E-03	-4.56E-03	2.32E-03
836.1	-8.78E-03	-4.00E-03	2.82E-03
837.2	-9.41E-03	-4.10E-03	2.19E-03
838.2	-9.84E-03	-3.15E-03	1.91E-03
839.3	-1.08E-02	-4.12E-03	2.06E-03
840.3	-9.77E-03	-3.58E-03	2.36E-03
841.4	-1.05E-02	-3.74E-03	2.44E-03
842.4	-1.02E-02	-1.81E-03	3.02E-03
843.5	-1.14E-02	-2.63E-03	3.70E-03
844.5	-1.10E-02	-2.99E-03	3.77E-03
845.6	-1.05E-02	-3.37E-03	4.96E-03
846.6	-9.32E-03	-2.69E-03	4.67E-03
847.7	-8.86E-03	-1.35E-03	5.40E-03
848.7	-1.07E-02	-1.77E-03	4.71E-03
849.8	-1.06E-02	-1.66E-03	5.01E-03
850.8	-1.08E-02	-1.44E-03	5.04E-03
851.9	-9.33E-03	-1.94E-03	5.31E-03
852.9	-9.25E-03	-1.72E-03	6.53E-03
854	-9.21E-03	-2.54E-03	6.67E-03
855	-8.69E-03	-1.98E-03	6.88E-03
856.1	-8.34E-03	-1.84E-03	6.61E-03
857.1	-9.67E-03	-2.92E-03	5.47E-03
858.2	-1.02E-02	-3.10E-03	4.96E-03
859.2	-1.22E-02	-4.35E-03	3.49E-03
860.3	-1.19E-02	-4.11E-03	3.12E-03
861.4	-1.26E-02	-4.91E-03	2.09E-03
862.4	-1.31E-02	-5.26E-03	1.79E-03

6pH Spectroscopy Curves

863.5	-1.23E-02	-5.83E-03	1.76E-03
864.5	-1.06E-02	-5.89E-03	1.32E-03
865.6	-8.40E-03	-5.82E-03	9.34E-04
866.6	-7.89E-03	-6.72E-03	-2.66E-04
867.7	-8.81E-03	-7.59E-03	-5.69E-04
868.7	-9.49E-03	-7.58E-03	-1.35E-03
869.8	-1.04E-02	-6.72E-03	-1.51E-03
870.8	-1.01E-02	-5.43E-03	0.00E+00
871.9	-1.03E-02	-5.53E-03	-3.46E-04
872.9	-1.00E-02	-6.46E-03	-7.26E-04
874	-1.00E-02	-7.09E-03	-5.71E-04
875	-9.37E-03	-6.76E-03	1.36E-04
876.1	-8.84E-03	-6.37E-03	4.72E-04
877.1	-9.04E-03	-6.62E-03	-4.15E-04
878.2	-9.09E-03	-6.00E-03	-5.62E-05
879.2	-9.33E-03	-5.76E-03	8.61E-04
880.3	-9.18E-03	-4.93E-03	1.08E-03
881.3	-8.84E-03	-4.06E-03	2.72E-03
882.4	-8.19E-03	-2.34E-03	2.40E-03
883.4	-7.48E-03	-2.13E-03	2.14E-03
884.5	-6.90E-03	-2.98E-03	8.29E-04
885.5	-6.55E-03	-3.26E-03	1.17E-03
886.6	-6.47E-03	-2.00E-03	3.55E-03
887.6	-6.77E-03	-1.74E-03	4.00E-03
888.7	-7.47E-03	-1.54E-03	5.32E-03
889.7	-7.01E-03	-1.64E-03	5.31E-03
890.8	-5.65E-03	-7.95E-04	5.87E-03
891.9	-4.83E-03	1.28E-03	6.88E-03
892.9	-3.87E-03	1.90E-03	5.06E-03
894	-5.71E-03	3.21E-03	5.50E-03
895	-5.52E-03	2.39E-03	5.92E-03
896.1	-7.35E-03	1.83E-03	5.89E-03
897.1	-4.97E-03	2.26E-03	7.06E-03
898.2	-4.33E-03	1.38E-03	5.91E-03
899.2	-2.73E-03	2.01E-03	7.74E-03
900.3	-3.52E-03	2.43E-03	8.29E-03
901.3	-4.15E-03	1.55E-03	6.68E-03
902.4	-4.36E-03	9.25E-04	5.45E-03
903.4	-4.40E-03	-4.28E-05	3.22E-03
904.5	-4.74E-03	1.07E-03	4.60E-03
905.5	-4.73E-03	2.42E-03	5.89E-03
906.6	-6.35E-03	6.51E-04	3.33E-03
907.6	-6.30E-03	2.67E-04	3.86E-03
908.7	-7.09E-03	-1.02E-03	1.89E-03

6pH Spectroscopy Curves

909.7	-5.54E-03	4.17E-04	5.05E-03
910.8	-5.59E-03	6.92E-04	3.24E-03
911.8	-4.80E-03	1.52E-04	1.35E-03
912.9	-5.32E-03	1.22E-03	7.19E-04
913.9	-6.65E-03	1.90E-03	4.82E-04
915	-6.46E-03	2.71E-03	2.71E-03
916	-7.40E-03	2.36E-03	3.40E-03
917.1	-4.43E-03	2.12E-03	3.83E-03
918.1	-4.44E-03	3.35E-03	4.02E-03
919.2	-2.36E-03	4.62E-03	4.87E-03
920.3	-1.30E-03	5.85E-03	6.24E-03
921.3	-9.70E-04	6.02E-03	5.94E-03
922.4	-7.17E-04	5.79E-03	5.79E-03
923.4	-1.65E-03	5.88E-03	5.91E-03
924.5	-1.46E-03	5.08E-03	6.30E-03
925.5	-2.01E-03	4.29E-03	6.02E-03
926.6	-1.66E-03	4.96E-03	7.29E-03
927.6	-7.57E-04	7.30E-03	8.33E-03
928.7	3.29E-04	6.91E-03	8.67E-03
929.7	-1.48E-04	7.30E-03	8.40E-03
930.8	-4.00E-04	6.86E-03	8.80E-03
931.8	-3.10E-04	8.41E-03	9.52E-03
932.9	9.86E-04	8.92E-03	1.04E-02
933.9	1.59E-03	9.00E-03	9.41E-03
935	2.63E-03	9.67E-03	9.30E-03
936	1.79E-03	1.04E-02	1.08E-02
937.1	1.62E-03	1.07E-02	1.07E-02
938.1	2.12E-03	1.12E-02	1.11E-02
939.2	3.73E-03	1.12E-02	1.01E-02
940.3	4.73E-03	1.27E-02	1.30E-02
941.3	4.23E-03	1.33E-02	1.48E-02
942.4	5.20E-03	1.45E-02	1.52E-02
943.4	6.26E-03	1.60E-02	1.56E-02
944.5	8.03E-03	1.70E-02	1.59E-02
945.5	8.81E-03	1.59E-02	1.63E-02
946.6	9.78E-03	1.41E-02	1.67E-02
947.6	8.65E-03	1.45E-02	1.58E-02
948.7	9.32E-03	1.59E-02	1.54E-02
949.7	8.90E-03	1.73E-02	1.42E-02

6.5pH Spectroscopy Curves

Wavelength (nm)	Sample 1	Sample 2	Sample 3
380.5	6.79E-02	3.92E-02	2.37E-02
381.6	5.97E-02	3.63E-02	2.45E-02
382.8	4.93E-02	4.50E-02	2.87E-02
383.9	4.16E-02	4.13E-02	2.52E-02
385.1	4.66E-02	4.39E-02	3.02E-02
386.2	6.38E-02	5.33E-02	3.77E-02
387.4	7.09E-02	6.13E-02	4.63E-02
388.5	7.55E-02	7.12E-02	5.37E-02
389.7	6.84E-02	7.54E-02	5.47E-02
390.8	6.78E-02	8.07E-02	5.56E-02
392	6.16E-02	8.50E-02	5.30E-02
393.1	6.17E-02	8.81E-02	5.67E-02
394.3	5.79E-02	9.29E-02	5.87E-02
395.4	5.46E-02	9.82E-02	6.30E-02
396.6	4.88E-02	1.02E-01	6.08E-02
397.7	4.47E-02	1.06E-01	6.03E-02
398.9	4.25E-02	1.07E-01	5.79E-02
400	4.19E-02	1.08E-01	5.97E-02
401.2	4.27E-02	1.09E-01	5.74E-02
402.3	4.40E-02	1.08E-01	5.46E-02
403.5	4.94E-02	1.11E-01	5.02E-02
404.6	5.25E-02	1.12E-01	4.63E-02
405.8	5.69E-02	1.14E-01	4.43E-02
406.9	5.88E-02	1.16E-01	4.20E-02
408.1	6.13E-02	1.15E-01	4.04E-02
409.2	6.30E-02	1.19E-01	3.79E-02
410.4	6.50E-02	1.23E-01	3.76E-02
411.5	6.74E-02	1.27E-01	3.79E-02
412.7	6.98E-02	1.29E-01	3.84E-02
413.8	7.28E-02	1.30E-01	3.98E-02
415	7.54E-02	1.32E-01	4.08E-02
416.1	7.83E-02	1.32E-01	4.16E-02
417.3	7.88E-02	1.34E-01	4.15E-02
418.4	7.95E-02	1.37E-01	4.12E-02
419.6	8.10E-02	1.39E-01	4.19E-02
420.7	8.14E-02	1.40E-01	4.14E-02
421.9	8.38E-02	1.41E-01	4.42E-02
423	8.33E-02	1.43E-01	4.51E-02
424.2	8.44E-02	1.44E-01	4.61E-02
425.3	8.41E-02	1.44E-01	4.59E-02
426.5	8.50E-02	1.44E-01	4.61E-02
427.6	8.58E-02	1.46E-01	4.74E-02
428.8	8.49E-02	1.46E-01	4.75E-02

6.5pH Spectroscopy Curves

429.9	8.48E-02	1.46E-01	4.77E-02
431.1	8.41E-02	1.46E-01	4.81E-02
432.2	8.57E-02	1.47E-01	4.84E-02
433.4	8.55E-02	1.46E-01	4.81E-02
434.5	8.63E-02	1.44E-01	4.73E-02
435.7	8.64E-02	1.44E-01	4.68E-02
436.8	8.66E-02	1.45E-01	4.89E-02
438	8.59E-02	1.46E-01	5.19E-02
439.1	8.54E-02	1.46E-01	5.31E-02
440.3	8.39E-02	1.44E-01	5.09E-02
441.4	8.10E-02	1.41E-01	4.84E-02
442.6	7.88E-02	1.40E-01	4.63E-02
443.7	7.67E-02	1.39E-01	4.59E-02
444.9	7.57E-02	1.37E-01	4.52E-02
446	7.29E-02	1.35E-01	4.55E-02
447.2	7.29E-02	1.36E-01	4.78E-02
448.3	7.14E-02	1.35E-01	4.95E-02
449.5	7.01E-02	1.34E-01	4.81E-02
450.6	6.68E-02	1.30E-01	4.47E-02
451.8	6.40E-02	1.28E-01	3.95E-02
452.9	6.14E-02	1.25E-01	3.76E-02
454.1	5.90E-02	1.24E-01	3.73E-02
455.2	5.78E-02	1.23E-01	3.79E-02
456.4	5.71E-02	1.24E-01	3.89E-02
457.5	5.81E-02	1.23E-01	3.83E-02
458.7	5.84E-02	1.23E-01	3.83E-02
459.8	6.02E-02	1.23E-01	3.82E-02
461	5.99E-02	1.22E-01	3.94E-02
462.1	6.10E-02	1.22E-01	4.11E-02
463.3	5.89E-02	1.20E-01	4.14E-02
464.4	6.02E-02	1.17E-01	3.98E-02
465.6	5.95E-02	1.15E-01	3.82E-02
466.7	6.00E-02	1.15E-01	3.71E-02
467.9	5.85E-02	1.16E-01	3.61E-02
469	5.66E-02	1.17E-01	3.69E-02
470.2	5.73E-02	1.17E-01	3.88E-02
471.3	5.51E-02	1.19E-01	4.12E-02
472.5	5.49E-02	1.18E-01	4.30E-02
473.6	5.35E-02	1.17E-01	4.29E-02
474.8	5.13E-02	1.16E-01	4.23E-02
475.9	5.10E-02	1.15E-01	4.07E-02
477.1	4.83E-02	1.14E-01	4.06E-02
478.2	4.90E-02	1.12E-01	4.10E-02
479.4	4.61E-02	1.10E-01	3.95E-02

6.5pH Spectroscopy Curves

480.5	4.54E-02	1.07E-01	3.74E-02
481.7	4.37E-02	1.06E-01	3.45E-02
482.8	4.32E-02	1.06E-01	3.41E-02
484	4.07E-02	1.05E-01	3.21E-02
485.1	3.93E-02	1.01E-01	3.14E-02
486.3	3.59E-02	9.74E-02	2.93E-02
487.4	3.57E-02	9.49E-02	2.99E-02
488.6	3.42E-02	9.44E-02	2.91E-02
489.7	3.38E-02	9.53E-02	2.82E-02
490.9	3.26E-02	9.51E-02	2.80E-02
492	3.15E-02	9.35E-02	2.74E-02
493.2	3.07E-02	9.18E-02	2.72E-02
494.3	2.94E-02	9.05E-02	2.50E-02
495.5	2.84E-02	9.01E-02	2.35E-02
496.6	2.82E-02	9.00E-02	2.34E-02
497.8	2.85E-02	8.94E-02	2.30E-02
498.9	2.81E-02	8.90E-02	2.56E-02
500.1	2.77E-02	8.82E-02	2.52E-02
501.2	2.82E-02	8.94E-02	2.65E-02
502.4	2.93E-02	8.87E-02	2.43E-02
503.5	2.90E-02	8.68E-02	2.47E-02
504.6	2.87E-02	8.37E-02	2.41E-02
505.8	2.79E-02	8.32E-02	2.31E-02
506.9	2.75E-02	8.43E-02	2.33E-02
508.1	2.74E-02	8.48E-02	2.10E-02
509.2	2.74E-02	8.40E-02	2.14E-02
510.4	2.76E-02	8.41E-02	2.04E-02
511.6	2.63E-02	8.43E-02	2.19E-02
512.6	2.58E-02	8.34E-02	2.17E-02
513.7	2.59E-02	8.32E-02	2.23E-02
514.7	2.65E-02	8.26E-02	2.36E-02
515.8	2.62E-02	8.32E-02	2.34E-02
516.9	2.52E-02	8.27E-02	2.32E-02
517.9	2.41E-02	8.27E-02	2.16E-02
519	2.38E-02	8.31E-02	2.27E-02
520.1	2.52E-02	8.31E-02	2.45E-02
521.1	2.59E-02	8.36E-02	2.42E-02
522.2	2.50E-02	8.39E-02	2.32E-02
523.3	2.42E-02	8.29E-02	2.09E-02
524.3	2.33E-02	8.12E-02	2.14E-02
525.4	2.40E-02	7.96E-02	2.19E-02
526.5	2.51E-02	7.99E-02	2.20E-02
527.5	2.60E-02	7.94E-02	2.22E-02
528.6	2.53E-02	7.95E-02	2.24E-02

6.5pH Spectroscopy Curves

529.7	2.30E-02	7.74E-02	2.18E-02
530.7	2.17E-02	7.81E-02	2.17E-02
531.8	2.18E-02	7.87E-02	2.14E-02
532.9	2.21E-02	8.10E-02	2.17E-02
533.9	2.26E-02	8.12E-02	2.16E-02
535	2.17E-02	8.01E-02	2.21E-02
536.1	2.10E-02	7.83E-02	2.07E-02
537.1	2.04E-02	7.84E-02	2.04E-02
538.2	2.16E-02	7.98E-02	1.97E-02
539.2	2.17E-02	8.10E-02	2.15E-02
540.3	2.20E-02	7.90E-02	2.06E-02
541.4	2.15E-02	7.86E-02	2.12E-02
542.4	2.21E-02	7.78E-02	1.99E-02
543.5	2.04E-02	7.81E-02	2.03E-02
544.6	1.93E-02	7.71E-02	1.93E-02
545.6	1.82E-02	7.85E-02	1.91E-02
546.7	1.93E-02	8.05E-02	2.05E-02
547.8	2.09E-02	8.13E-02	2.21E-02
548.8	2.07E-02	8.03E-02	2.19E-02
549.9	2.11E-02	8.11E-02	2.13E-02
551	2.12E-02	8.20E-02	2.01E-02
552	2.11E-02	8.25E-02	2.05E-02
553.1	2.11E-02	8.18E-02	2.09E-02
554.2	2.09E-02	8.14E-02	2.17E-02
555.2	2.22E-02	8.15E-02	2.30E-02
556.3	2.16E-02	8.09E-02	2.27E-02
557.4	2.22E-02	8.15E-02	2.33E-02
558.4	2.20E-02	8.24E-02	2.36E-02
559.5	2.32E-02	8.44E-02	2.55E-02
560.6	2.32E-02	8.50E-02	2.64E-02
561.6	2.35E-02	8.42E-02	2.77E-02
562.7	2.20E-02	8.27E-02	2.71E-02
563.7	2.18E-02	8.13E-02	2.72E-02
564.8	2.23E-02	8.23E-02	2.66E-02
565.9	2.29E-02	8.17E-02	2.59E-02
566.9	2.37E-02	8.36E-02	2.52E-02
568	2.34E-02	8.33E-02	2.52E-02
569.1	2.37E-02	8.43E-02	2.69E-02
570.1	2.28E-02	8.43E-02	2.84E-02
571.2	2.31E-02	8.39E-02	2.87E-02
572.3	2.39E-02	8.43E-02	2.79E-02
573.3	2.45E-02	8.34E-02	2.79E-02
574.4	2.42E-02	8.29E-02	2.82E-02
575.5	2.37E-02	8.22E-02	2.82E-02

6.5pH Spectroscopy Curves

576.5	2.33E-02	8.17E-02	2.66E-02
577.6	2.31E-02	8.20E-02	2.52E-02
578.7	2.30E-02	8.15E-02	2.53E-02
579.7	2.38E-02	8.13E-02	2.58E-02
580.8	2.46E-02	8.08E-02	2.68E-02
581.9	2.48E-02	8.06E-02	2.73E-02
582.9	2.52E-02	8.07E-02	2.79E-02
584	2.57E-02	8.01E-02	2.85E-02
585.1	2.61E-02	7.99E-02	2.79E-02
586.1	2.52E-02	7.94E-02	2.67E-02
587.2	2.55E-02	8.04E-02	2.64E-02
588.3	2.57E-02	8.21E-02	2.74E-02
589.3	2.55E-02	8.28E-02	2.77E-02
590.4	2.50E-02	8.36E-02	2.88E-02
591.5	2.46E-02	8.34E-02	2.93E-02
592.6	2.44E-02	8.28E-02	3.04E-02
593.6	2.43E-02	8.14E-02	3.00E-02
594.7	2.48E-02	8.03E-02	2.96E-02
595.8	2.52E-02	8.10E-02	2.87E-02
596.9	2.56E-02	8.22E-02	2.86E-02
598	2.53E-02	8.32E-02	2.76E-02
599	2.58E-02	8.32E-02	2.88E-02
600.1	2.64E-02	8.37E-02	2.97E-02
601.2	2.70E-02	8.38E-02	2.98E-02
602.3	2.82E-02	8.42E-02	2.95E-02
603.3	2.80E-02	8.38E-02	2.86E-02
604.4	2.83E-02	8.30E-02	2.92E-02
605.5	2.70E-02	8.31E-02	2.88E-02
606.6	2.71E-02	8.35E-02	2.89E-02
607.6	2.72E-02	8.43E-02	2.91E-02
608.7	2.95E-02	8.43E-02	3.11E-02
609.8	3.02E-02	8.41E-02	3.28E-02
610.9	3.06E-02	8.40E-02	3.34E-02
611.9	3.00E-02	8.39E-02	3.30E-02
613	3.04E-02	8.31E-02	3.28E-02
614.1	3.00E-02	8.38E-02	3.30E-02
615.2	3.04E-02	8.47E-02	3.43E-02
616.2	2.96E-02	8.53E-02	3.38E-02
617.3	2.99E-02	8.47E-02	3.33E-02
618.4	2.88E-02	8.38E-02	3.12E-02
619.5	2.89E-02	8.29E-02	3.08E-02
620.6	2.95E-02	8.21E-02	3.04E-02
621.6	2.94E-02	8.11E-02	3.07E-02
622.7	3.01E-02	8.22E-02	3.15E-02

6.5pH Spectroscopy Curves

623.8	3.05E-02	8.22E-02	3.14E-02
624.9	3.11E-02	8.20E-02	3.01E-02
625.9	3.10E-02	8.07E-02	2.91E-02
627	3.04E-02	7.99E-02	2.97E-02
628.1	2.90E-02	7.97E-02	2.94E-02
629.2	2.88E-02	8.02E-02	3.04E-02
630.2	2.85E-02	7.98E-02	2.98E-02
631.3	2.95E-02	7.92E-02	3.11E-02
632.4	2.84E-02	7.86E-02	3.04E-02
633.5	2.87E-02	8.02E-02	3.15E-02
634.5	2.85E-02	8.15E-02	3.20E-02
635.6	2.92E-02	8.17E-02	3.32E-02
636.7	3.02E-02	8.13E-02	3.32E-02
637.8	3.05E-02	8.17E-02	3.47E-02
638.8	3.13E-02	8.24E-02	3.53E-02
639.9	3.07E-02	8.31E-02	3.55E-02
641	3.22E-02	8.41E-02	3.55E-02
642.1	3.31E-02	8.38E-02	3.55E-02
643.1	3.46E-02	8.38E-02	3.53E-02
644.2	3.58E-02	8.34E-02	3.50E-02
645.3	3.62E-02	8.46E-02	3.49E-02
646.4	3.77E-02	8.48E-02	3.63E-02
647.5	3.82E-02	8.54E-02	3.69E-02
648.5	3.94E-02	8.48E-02	3.78E-02
649.6	4.09E-02	8.53E-02	3.84E-02
650.7	4.23E-02	8.52E-02	3.82E-02
651.8	4.53E-02	8.72E-02	3.97E-02
652.8	4.61E-02	8.95E-02	4.11E-02
653.9	4.86E-02	9.15E-02	4.36E-02
655	5.02E-02	9.23E-02	4.41E-02
656.1	5.19E-02	9.30E-02	4.54E-02
657.1	5.46E-02	9.45E-02	4.76E-02
658.2	5.59E-02	9.61E-02	5.05E-02
659.3	5.81E-02	9.83E-02	5.33E-02
660.4	5.77E-02	1.00E-01	5.50E-02
661.4	5.77E-02	1.01E-01	5.56E-02
662.5	5.80E-02	1.01E-01	5.61E-02
663.6	5.77E-02	1.01E-01	5.60E-02
664.7	5.77E-02	1.01E-01	5.58E-02
665.7	5.65E-02	9.94E-02	5.48E-02
666.8	5.56E-02	9.84E-02	5.27E-02
667.9	5.29E-02	9.67E-02	5.05E-02
669	5.00E-02	9.60E-02	4.81E-02
670.1	4.72E-02	9.35E-02	4.57E-02

6.5pH Spectroscopy Curves

671.1	4.52E-02	9.28E-02	4.34E-02
672.2	4.27E-02	9.07E-02	4.14E-02
673.3	4.00E-02	8.89E-02	4.00E-02
674.3	3.78E-02	8.65E-02	3.81E-02
675.4	3.61E-02	8.43E-02	3.65E-02
676.5	3.42E-02	8.30E-02	3.46E-02
677.6	3.16E-02	8.14E-02	3.30E-02
678.6	3.00E-02	8.07E-02	3.23E-02
679.7	2.83E-02	7.96E-02	3.02E-02
680.8	2.72E-02	7.91E-02	2.98E-02
681.9	2.51E-02	7.74E-02	2.84E-02
682.9	2.53E-02	7.70E-02	2.88E-02
684	2.45E-02	7.58E-02	2.94E-02
685.1	2.49E-02	7.53E-02	2.81E-02
686.2	2.37E-02	7.55E-02	2.79E-02
687.2	2.26E-02	7.51E-02	2.75E-02
688.3	2.14E-02	7.48E-02	2.62E-02
689.4	2.07E-02	7.38E-02	2.58E-02
690.4	2.15E-02	7.45E-02	2.63E-02
691.5	2.10E-02	7.40E-02	2.64E-02
692.6	2.09E-02	7.37E-02	2.68E-02
693.7	2.09E-02	7.33E-02	2.52E-02
694.7	2.17E-02	7.39E-02	2.68E-02
695.8	2.25E-02	7.47E-02	2.80E-02
696.9	2.21E-02	7.32E-02	2.82E-02
698	2.20E-02	7.35E-02	2.91E-02
699	2.16E-02	7.29E-02	2.88E-02
700.1	2.10E-02	7.48E-02	2.92E-02
701.2	2.03E-02	7.51E-02	3.04E-02
702.2	2.00E-02	7.48E-02	3.05E-02
703.3	2.06E-02	7.52E-02	3.10E-02
704.4	2.07E-02	7.46E-02	2.95E-02
705.5	2.09E-02	7.49E-02	2.83E-02
706.6	2.05E-02	7.44E-02	2.85E-02
707.7	2.08E-02	7.44E-02	2.80E-02
708.8	2.01E-02	7.39E-02	2.90E-02
709.9	2.04E-02	7.27E-02	2.69E-02
711	2.01E-02	7.32E-02	2.69E-02
712.1	2.13E-02	7.25E-02	2.60E-02
713.2	2.13E-02	7.19E-02	2.54E-02
714.3	2.15E-02	7.13E-02	2.47E-02
715.4	2.17E-02	7.17E-02	2.37E-02
716.5	2.15E-02	7.27E-02	2.58E-02
717.6	2.11E-02	7.27E-02	2.62E-02

6.5pH Spectroscopy Curves

718.8	2.07E-02	7.33E-02	2.79E-02
719.9	2.15E-02	7.29E-02	2.73E-02
721	2.25E-02	7.28E-02	2.81E-02
722.1	2.26E-02	7.30E-02	2.90E-02
723.2	2.29E-02	7.39E-02	2.95E-02
724.3	2.27E-02	7.45E-02	3.03E-02
725.4	2.35E-02	7.47E-02	3.00E-02
726.5	2.36E-02	7.59E-02	3.29E-02
727.6	2.39E-02	7.65E-02	3.41E-02
728.7	2.30E-02	7.81E-02	3.61E-02
729.8	2.26E-02	7.91E-02	3.63E-02
731	2.29E-02	7.99E-02	3.66E-02
732.1	2.31E-02	7.91E-02	3.73E-02
733.2	2.33E-02	7.85E-02	3.59E-02
734.3	2.29E-02	7.82E-02	3.59E-02
735.4	2.31E-02	7.72E-02	3.41E-02
736.5	2.26E-02	7.58E-02	3.33E-02
737.6	2.31E-02	7.47E-02	3.20E-02
738.7	2.33E-02	7.46E-02	3.03E-02
739.8	2.30E-02	7.44E-02	3.04E-02
740.9	2.26E-02	7.42E-02	2.94E-02
742.1	2.22E-02	7.32E-02	2.98E-02
743.2	2.30E-02	7.27E-02	2.86E-02
744.3	2.30E-02	7.18E-02	2.83E-02
745.4	2.28E-02	7.10E-02	2.68E-02
746.5	2.35E-02	7.20E-02	2.56E-02
747.6	2.28E-02	7.20E-02	2.46E-02
748.7	2.28E-02	7.32E-02	2.54E-02
749.8	2.29E-02	7.23E-02	2.62E-02
750.9	2.34E-02	7.29E-02	2.65E-02
752	2.35E-02	7.33E-02	2.68E-02
753.1	2.28E-02	7.49E-02	2.72E-02
754.3	2.26E-02	7.50E-02	2.79E-02
755.4	2.31E-02	7.47E-02	2.77E-02
756.5	2.35E-02	7.40E-02	2.91E-02
757.6	2.30E-02	7.44E-02	2.97E-02
758.7	2.27E-02	7.49E-02	3.03E-02
759.8	2.21E-02	7.49E-02	2.92E-02
760.9	2.21E-02	7.40E-02	2.91E-02
762	2.16E-02	7.50E-02	2.95E-02
763.1	2.04E-02	7.48E-02	3.00E-02
764.2	2.14E-02	7.63E-02	3.15E-02
765.3	2.20E-02	7.50E-02	3.14E-02
766.5	2.23E-02	7.52E-02	3.09E-02

6.5pH Spectroscopy Curves

767.6	2.22E-02	7.54E-02	3.00E-02
768.7	2.27E-02	7.63E-02	3.08E-02
769.8	2.38E-02	7.56E-02	3.11E-02
770.9	2.32E-02	7.46E-02	3.13E-02
772	2.20E-02	7.54E-02	3.13E-02
773.1	1.98E-02	7.61E-02	3.20E-02
774.2	2.00E-02	7.63E-02	3.13E-02
775.3	2.02E-02	7.47E-02	3.02E-02
776.4	2.17E-02	7.46E-02	2.95E-02
777.6	2.23E-02	7.46E-02	3.00E-02
778.7	2.20E-02	7.43E-02	2.91E-02
779.8	2.12E-02	7.40E-02	2.83E-02
780.9	1.99E-02	7.37E-02	2.69E-02
782	2.00E-02	7.38E-02	2.62E-02
783.1	1.97E-02	7.29E-02	2.53E-02
784.2	2.02E-02	7.34E-02	2.59E-02
785.3	2.01E-02	7.30E-02	2.72E-02
786.4	2.00E-02	7.29E-02	2.76E-02
787.5	2.06E-02	7.30E-02	2.72E-02
788.6	2.03E-02	7.26E-02	2.60E-02
789.8	2.06E-02	7.34E-02	2.54E-02
790.9	1.99E-02	7.21E-02	2.41E-02
792	2.00E-02	7.29E-02	2.30E-02
793.1	2.00E-02	7.21E-02	2.16E-02
794.2	1.93E-02	7.09E-02	2.05E-02
795.3	1.89E-02	6.95E-02	2.04E-02
796.4	1.92E-02	6.81E-02	2.04E-02
797.5	1.95E-02	6.93E-02	2.13E-02
798.6	1.97E-02	7.07E-02	2.36E-02
799.7	1.99E-02	7.22E-02	2.68E-02
800.8	1.98E-02	7.23E-02	2.85E-02
802	2.04E-02	7.33E-02	2.89E-02
803.1	1.95E-02	7.50E-02	2.97E-02
804.2	1.98E-02	7.56E-02	2.98E-02
805.3	1.85E-02	7.34E-02	3.01E-02
806.4	1.87E-02	7.28E-02	2.99E-02
807.5	1.87E-02	7.36E-02	3.17E-02
808.6	1.93E-02	7.51E-02	3.14E-02
809.7	1.89E-02	7.60E-02	3.16E-02
810.8	1.83E-02	7.58E-02	3.12E-02
811.9	1.90E-02	7.70E-02	3.24E-02
813.1	1.92E-02	7.61E-02	3.15E-02
814.2	1.96E-02	7.59E-02	3.20E-02
815.3	1.83E-02	7.45E-02	3.10E-02

6.5pH Spectroscopy Curves

816.4	1.80E-02	7.45E-02	3.15E-02
817.5	1.74E-02	7.48E-02	3.01E-02
818.6	1.74E-02	7.44E-02	2.87E-02
819.7	1.72E-02	7.36E-02	2.73E-02
820.8	1.81E-02	7.38E-02	2.74E-02
821.9	1.86E-02	7.43E-02	2.75E-02
823	1.91E-02	7.41E-02	2.71E-02
824.1	1.86E-02	7.27E-02	2.58E-02
825.3	1.93E-02	7.24E-02	2.55E-02
826.4	2.02E-02	7.28E-02	2.40E-02
827.5	1.98E-02	7.29E-02	2.31E-02
828.6	1.92E-02	7.32E-02	2.15E-02
829.7	1.85E-02	7.31E-02	2.18E-02
830.8	1.87E-02	7.21E-02	2.02E-02
831.9	1.78E-02	7.26E-02	2.12E-02
833	1.80E-02	7.27E-02	2.09E-02
834	1.81E-02	7.47E-02	2.26E-02
835.1	1.81E-02	7.28E-02	2.16E-02
836.1	1.75E-02	7.28E-02	2.25E-02
837.2	1.79E-02	7.17E-02	2.31E-02
838.2	1.90E-02	7.34E-02	2.37E-02
839.3	1.96E-02	7.39E-02	2.35E-02
840.3	1.92E-02	7.45E-02	2.33E-02
841.4	1.92E-02	7.46E-02	2.47E-02
842.4	1.87E-02	7.38E-02	2.33E-02
843.5	2.01E-02	7.53E-02	2.45E-02
844.5	1.93E-02	7.45E-02	2.33E-02
845.6	1.99E-02	7.57E-02	2.50E-02
846.6	1.98E-02	7.53E-02	2.58E-02
847.7	2.05E-02	7.68E-02	2.75E-02
848.7	2.04E-02	7.76E-02	2.92E-02
849.8	1.99E-02	7.77E-02	2.92E-02
850.8	2.02E-02	7.87E-02	3.13E-02
851.9	2.01E-02	7.85E-02	3.16E-02
852.9	1.89E-02	7.87E-02	3.18E-02
854	1.73E-02	7.80E-02	3.07E-02
855	1.68E-02	7.87E-02	3.05E-02
856.1	1.62E-02	7.87E-02	2.95E-02
857.1	1.66E-02	7.91E-02	2.95E-02
858.2	1.58E-02	7.87E-02	3.06E-02
859.2	1.60E-02	7.85E-02	3.20E-02
860.3	1.62E-02	7.84E-02	3.26E-02
861.4	1.61E-02	7.80E-02	3.01E-02
862.4	1.65E-02	7.70E-02	2.72E-02

6.5pH Spectroscopy Curves

863.5	1.59E-02	7.64E-02	2.63E-02
864.5	1.63E-02	7.45E-02	2.65E-02
865.6	1.50E-02	7.47E-02	2.68E-02
866.6	1.30E-02	7.31E-02	2.43E-02
867.7	1.13E-02	7.23E-02	2.21E-02
868.7	1.10E-02	7.07E-02	2.17E-02
869.8	1.09E-02	6.95E-02	2.07E-02
870.8	1.08E-02	6.79E-02	2.04E-02
871.9	1.10E-02	6.69E-02	1.87E-02
872.9	1.14E-02	6.46E-02	1.68E-02
874	1.10E-02	6.50E-02	1.76E-02
875	9.62E-03	6.42E-02	1.77E-02
876.1	1.02E-02	6.49E-02	1.83E-02
877.1	9.04E-03	6.42E-02	1.63E-02
878.2	8.49E-03	6.43E-02	1.53E-02
879.2	7.63E-03	6.45E-02	1.52E-02
880.3	8.73E-03	6.44E-02	1.69E-02
881.3	1.06E-02	6.33E-02	1.71E-02
882.4	1.03E-02	6.24E-02	1.73E-02
883.4	1.16E-02	6.28E-02	1.72E-02
884.5	8.44E-03	6.19E-02	1.75E-02
885.5	7.97E-03	6.18E-02	1.73E-02
886.6	6.28E-03	6.15E-02	1.78E-02
887.6	7.25E-03	6.39E-02	1.89E-02
888.7	6.79E-03	6.30E-02	2.06E-02
889.7	5.65E-03	6.25E-02	2.18E-02
890.8	5.39E-03	5.93E-02	2.11E-02
891.9	3.68E-03	6.03E-02	2.13E-02
892.9	2.41E-03	5.82E-02	1.99E-02
894	2.05E-03	5.94E-02	2.02E-02
895	7.27E-04	5.74E-02	2.12E-02
896.1	6.96E-04	5.51E-02	2.01E-02
897.1	-6.37E-04	5.32E-02	2.09E-02
898.2	-5.59E-04	5.28E-02	2.01E-02
899.2	-8.28E-04	5.29E-02	1.94E-02
900.3	-2.68E-03	5.05E-02	1.84E-02
901.3	-3.16E-03	4.69E-02	1.64E-02
902.4	-5.87E-03	4.69E-02	1.55E-02
903.4	-5.84E-03	4.75E-02	1.56E-02
904.5	-9.38E-03	4.71E-02	1.36E-02
905.5	-1.10E-02	4.44E-02	1.40E-02
906.6	-1.51E-02	3.87E-02	9.85E-03
907.6	-1.65E-02	3.63E-02	1.04E-02
908.7	-1.99E-02	3.34E-02	7.84E-03

6.5pH Spectroscopy Curves

909.7	-2.01E-02	3.36E-02	7.73E-03
910.8	-2.14E-02	3.23E-02	6.17E-03
911.8	-2.23E-02	2.96E-02	3.85E-03
912.9	-2.49E-02	2.69E-02	2.50E-03
913.9	-2.88E-02	2.31E-02	3.83E-04
915	-3.06E-02	2.09E-02	-1.84E-03
916	-3.32E-02	1.98E-02	-3.12E-03
917.1	-3.39E-02	1.86E-02	-5.59E-03
918.1	-3.60E-02	1.66E-02	-4.32E-03
919.2	-3.57E-02	1.51E-02	-5.32E-03
920.3	-3.78E-02	1.35E-02	-5.10E-03
921.3	-3.94E-02	1.22E-02	-6.65E-03
922.4	-4.25E-02	1.07E-02	-6.24E-03
923.4	-4.36E-02	1.04E-02	-6.24E-03
924.5	-4.46E-02	1.15E-02	-4.21E-03
925.5	-4.49E-02	1.05E-02	-4.67E-03
926.6	-4.49E-02	9.54E-03	-1.77E-03
927.6	-4.56E-02	8.64E-03	-1.61E-03
928.7	-4.71E-02	8.09E-03	-1.44E-03
929.7	-4.71E-02	8.77E-03	-1.98E-03
930.8	-4.94E-02	8.92E-03	-2.70E-03
931.8	-5.02E-02	9.50E-03	-1.92E-03
932.9	-5.05E-02	9.46E-03	-3.82E-04
933.9	-4.91E-02	1.08E-02	9.42E-04
935	-4.90E-02	1.15E-02	1.11E-03
936	-5.03E-02	1.25E-02	1.17E-03
937.1	-5.07E-02	1.26E-02	2.76E-03
938.1	-5.06E-02	1.30E-02	4.81E-03
939.2	-4.94E-02	1.25E-02	5.57E-03
940.3	-4.78E-02	1.19E-02	6.80E-03
941.3	-4.56E-02	1.23E-02	8.23E-03
942.4	-4.37E-02	1.22E-02	7.80E-03
943.4	-4.09E-02	1.40E-02	7.06E-03
944.5	-3.94E-02	1.44E-02	7.65E-03
945.5	-3.88E-02	1.59E-02	8.04E-03
946.6	-3.98E-02	1.51E-02	8.65E-03
947.6	-4.05E-02	1.51E-02	7.78E-03
948.7	-4.06E-02	1.58E-02	7.33E-03
949.7	-4.06E-02	1.65E-02	6.88E-03

7pH Spectroscopy Curves

Wavelength (nm)	Sample 1	Sample 2	Sample 3
380.5	1.22E-02	2.98E-02	1.12E-02
381.6	1.41E-02	3.24E-02	1.11E-02
382.8	2.19E-02	3.34E-02	1.26E-02
383.9	1.76E-02	3.03E-02	1.21E-02
385.1	1.87E-02	3.06E-02	1.08E-02
386.2	1.22E-02	3.03E-02	4.81E-03
387.4	2.36E-02	3.61E-02	4.04E-03
388.5	2.30E-02	3.91E-02	5.52E-03
389.7	2.70E-02	3.85E-02	9.33E-03
390.8	2.18E-02	3.95E-02	1.12E-02
392	2.38E-02	4.08E-02	1.25E-02
393.1	2.44E-02	4.42E-02	1.34E-02
394.3	2.76E-02	4.58E-02	1.42E-02
395.4	2.79E-02	4.72E-02	1.64E-02
396.6	2.73E-02	4.86E-02	1.76E-02
397.7	2.78E-02	4.94E-02	1.96E-02
398.9	2.87E-02	4.69E-02	1.96E-02
400	3.13E-02	4.60E-02	2.12E-02
401.2	3.15E-02	4.58E-02	2.26E-02
402.3	3.32E-02	4.76E-02	2.49E-02
403.5	3.39E-02	4.70E-02	2.49E-02
404.6	3.52E-02	4.72E-02	2.63E-02
405.8	3.58E-02	4.59E-02	2.69E-02
406.9	3.74E-02	4.48E-02	2.73E-02
408.1	3.90E-02	4.30E-02	2.81E-02
409.2	4.09E-02	4.21E-02	2.80E-02
410.4	4.25E-02	4.15E-02	3.01E-02
411.5	4.55E-02	4.31E-02	3.19E-02
412.7	4.74E-02	4.47E-02	3.50E-02
413.8	4.99E-02	4.69E-02	3.69E-02
415	5.09E-02	4.71E-02	3.82E-02
416.1	5.25E-02	4.79E-02	3.92E-02
417.3	5.41E-02	4.64E-02	3.84E-02
418.4	5.53E-02	4.60E-02	3.86E-02
419.6	5.60E-02	4.50E-02	3.90E-02
420.7	5.59E-02	4.54E-02	4.10E-02
421.9	5.58E-02	4.55E-02	4.13E-02
423	5.64E-02	4.52E-02	4.06E-02
424.2	5.70E-02	4.55E-02	4.11E-02
425.3	5.79E-02	4.57E-02	4.22E-02
426.5	5.82E-02	4.74E-02	4.44E-02
427.6	5.87E-02	4.93E-02	4.65E-02
428.8	5.97E-02	5.05E-02	4.87E-02

7pH Spectroscopy Curves

429.9	6.08E-02	4.99E-02	4.88E-02
431.1	6.07E-02	4.82E-02	4.75E-02
432.2	6.07E-02	4.62E-02	4.58E-02
433.4	6.07E-02	4.56E-02	4.52E-02
434.5	6.17E-02	4.60E-02	4.48E-02
435.7	6.24E-02	4.80E-02	4.62E-02
436.8	6.35E-02	4.88E-02	4.78E-02
438	6.16E-02	4.77E-02	4.79E-02
439.1	6.03E-02	4.58E-02	4.71E-02
440.3	5.90E-02	4.53E-02	4.64E-02
441.4	5.94E-02	4.63E-02	4.72E-02
442.6	5.98E-02	4.62E-02	4.73E-02
443.7	5.83E-02	4.44E-02	4.63E-02
444.9	5.78E-02	4.33E-02	4.51E-02
446	5.78E-02	4.47E-02	4.41E-02
447.2	5.70E-02	4.44E-02	4.36E-02
448.3	5.68E-02	4.33E-02	4.24E-02
449.5	5.37E-02	3.86E-02	4.01E-02
450.6	5.26E-02	3.75E-02	3.95E-02
451.8	5.04E-02	3.75E-02	3.92E-02
452.9	4.92E-02	3.78E-02	3.86E-02
454.1	4.81E-02	3.58E-02	3.71E-02
455.2	4.59E-02	3.34E-02	3.52E-02
456.4	4.51E-02	3.18E-02	3.52E-02
457.5	4.37E-02	3.23E-02	3.51E-02
458.7	4.60E-02	3.18E-02	3.69E-02
459.8	4.71E-02	3.23E-02	3.80E-02
461	4.77E-02	3.14E-02	3.85E-02
462.1	4.66E-02	3.19E-02	3.78E-02
463.3	4.62E-02	3.30E-02	3.77E-02
464.4	4.65E-02	3.25E-02	3.57E-02
465.6	4.52E-02	3.15E-02	3.52E-02
466.7	4.45E-02	2.90E-02	3.28E-02
467.9	4.41E-02	3.06E-02	3.41E-02
469	4.56E-02	3.07E-02	3.53E-02
470.2	4.55E-02	3.09E-02	3.75E-02
471.3	4.54E-02	3.00E-02	3.72E-02
472.5	4.47E-02	3.01E-02	3.82E-02
473.6	4.48E-02	3.09E-02	3.62E-02
474.8	4.56E-02	3.02E-02	3.61E-02
475.9	4.37E-02	2.75E-02	3.31E-02
477.1	4.37E-02	2.65E-02	3.23E-02
478.2	4.21E-02	2.57E-02	3.14E-02
479.4	4.22E-02	2.74E-02	3.04E-02

7pH Spectroscopy Curves

480.5	4.14E-02	2.83E-02	3.07E-02
481.7	3.90E-02	2.87E-02	3.03E-02
482.8	3.76E-02	2.81E-02	3.19E-02
484	3.49E-02	2.50E-02	3.16E-02
485.1	3.48E-02	2.31E-02	2.96E-02
486.3	3.33E-02	1.94E-02	2.60E-02
487.4	3.14E-02	1.90E-02	2.42E-02
488.6	2.76E-02	1.59E-02	2.29E-02
489.7	2.57E-02	1.63E-02	2.32E-02
490.9	2.43E-02	1.43E-02	2.28E-02
492	2.60E-02	1.63E-02	2.26E-02
493.2	2.68E-02	1.63E-02	2.20E-02
494.3	2.71E-02	1.62E-02	2.17E-02
495.5	2.54E-02	1.42E-02	2.14E-02
496.6	2.19E-02	1.22E-02	2.06E-02
497.8	1.97E-02	1.18E-02	1.99E-02
498.9	1.88E-02	1.30E-02	2.07E-02
500.1	1.94E-02	1.35E-02	2.17E-02
501.2	1.94E-02	1.25E-02	2.17E-02
502.4	1.75E-02	9.57E-03	1.94E-02
503.5	1.77E-02	8.32E-03	1.87E-02
504.6	1.59E-02	6.62E-03	1.69E-02
505.8	1.74E-02	5.96E-03	1.61E-02
506.9	1.66E-02	5.70E-03	1.36E-02
508.1	1.73E-02	6.04E-03	1.46E-02
509.2	1.66E-02	7.40E-03	1.50E-02
510.4	1.54E-02	7.20E-03	1.46E-02
511.6	1.39E-02	6.46E-03	1.24E-02
512.6	1.21E-02	3.94E-03	1.19E-02
513.7	1.14E-02	4.21E-03	1.39E-02
514.7	1.17E-02	5.28E-03	1.47E-02
515.8	1.13E-02	5.01E-03	1.43E-02
516.9	1.09E-02	4.15E-03	1.26E-02
517.9	1.02E-02	3.30E-03	1.14E-02
519	9.56E-03	3.84E-03	1.08E-02
520.1	8.81E-03	4.40E-03	1.05E-02
521.1	8.70E-03	5.27E-03	1.22E-02
522.2	8.99E-03	5.80E-03	1.25E-02
523.3	9.29E-03	5.58E-03	1.29E-02
524.3	8.51E-03	3.78E-03	1.12E-02
525.4	7.59E-03	4.16E-03	1.16E-02
526.5	7.60E-03	2.56E-03	1.10E-02
527.5	7.03E-03	2.46E-03	1.22E-02
528.6	7.61E-03	1.70E-04	1.19E-02

7pH Spectroscopy Curves

529.7	7.91E-03	1.92E-03	1.39E-02
530.7	8.66E-03	2.81E-03	1.45E-02
531.8	9.32E-03	5.39E-03	1.56E-02
532.9	9.07E-03	4.73E-03	1.61E-02
533.9	9.50E-03	4.79E-03	1.60E-02
535	8.85E-03	3.25E-03	1.56E-02
536.1	8.76E-03	2.88E-03	1.34E-02
537.1	9.00E-03	1.73E-03	1.20E-02
538.2	1.03E-02	1.29E-03	1.18E-02
539.2	1.08E-02	5.49E-04	1.22E-02
540.3	1.18E-02	1.90E-03	1.22E-02
541.4	1.08E-02	2.13E-03	1.17E-02
542.4	9.61E-03	2.48E-03	1.14E-02
543.5	8.05E-03	1.73E-03	1.20E-02
544.6	7.45E-03	1.85E-03	1.17E-02
545.6	7.97E-03	1.74E-03	1.08E-02
546.7	8.89E-03	1.92E-03	1.09E-02
547.8	8.86E-03	1.86E-03	1.24E-02
548.8	9.74E-03	1.73E-03	1.40E-02
549.9	8.88E-03	1.06E-03	1.40E-02
551	1.02E-02	1.29E-03	1.26E-02
552	1.03E-02	1.29E-03	1.14E-02
553.1	1.06E-02	1.54E-03	1.09E-02
554.2	1.04E-02	1.82E-03	1.17E-02
555.2	9.28E-03	2.59E-03	1.22E-02
556.3	8.98E-03	2.60E-03	1.29E-02
557.4	8.92E-03	2.38E-03	1.19E-02
558.4	9.92E-03	2.14E-03	1.24E-02
559.5	9.99E-03	3.22E-03	1.20E-02
560.6	9.47E-03	3.13E-03	1.20E-02
561.6	9.33E-03	3.22E-03	1.24E-02
562.7	1.02E-02	2.54E-03	1.35E-02
563.7	9.33E-03	2.63E-03	1.46E-02
564.8	8.58E-03	1.81E-03	1.41E-02
565.9	8.29E-03	1.45E-03	1.40E-02
566.9	8.85E-03	2.37E-03	1.43E-02
568	8.94E-03	2.83E-03	1.45E-02
569.1	8.72E-03	2.47E-03	1.30E-02
570.1	8.04E-03	1.11E-03	1.11E-02
571.2	8.27E-03	1.78E-03	1.11E-02
572.3	7.43E-03	1.91E-03	1.14E-02
573.3	8.57E-03	2.95E-03	1.34E-02
574.4	9.30E-03	2.45E-03	1.32E-02
575.5	1.06E-02	3.06E-03	1.36E-02

7pH Spectroscopy Curves

576.5	1.05E-02	2.98E-03	1.22E-02
577.6	9.95E-03	2.64E-03	1.17E-02
578.7	9.69E-03	1.10E-03	1.09E-02
579.7	1.02E-02	-6.98E-04	1.12E-02
580.8	9.69E-03	-9.68E-04	1.16E-02
581.9	8.75E-03	4.41E-04	1.19E-02
582.9	8.32E-03	2.16E-03	1.20E-02
584	9.00E-03	3.91E-03	1.34E-02
585.1	9.60E-03	4.06E-03	1.41E-02
586.1	9.05E-03	4.30E-03	1.54E-02
587.2	8.31E-03	3.82E-03	1.48E-02
588.3	8.71E-03	3.88E-03	1.46E-02
589.3	9.45E-03	4.21E-03	1.46E-02
590.4	1.03E-02	4.67E-03	1.41E-02
591.5	1.05E-02	5.71E-03	1.42E-02
592.6	9.91E-03	4.95E-03	1.39E-02
593.6	8.66E-03	4.12E-03	1.44E-02
594.7	8.07E-03	4.16E-03	1.58E-02
595.8	8.95E-03	5.75E-03	1.67E-02
596.9	9.98E-03	6.73E-03	1.75E-02
598	9.95E-03	6.52E-03	1.67E-02
599	9.89E-03	5.43E-03	1.51E-02
600.1	1.02E-02	4.89E-03	1.41E-02
601.2	1.06E-02	4.18E-03	1.29E-02
602.3	1.16E-02	3.70E-03	1.29E-02
603.3	1.07E-02	3.30E-03	1.13E-02
604.4	1.05E-02	3.35E-03	1.12E-02
605.5	9.48E-03	3.23E-03	1.05E-02
606.6	1.05E-02	3.45E-03	1.18E-02
607.6	1.08E-02	3.70E-03	1.29E-02
608.7	1.10E-02	5.10E-03	1.37E-02
609.8	1.08E-02	6.04E-03	1.38E-02
610.9	1.08E-02	6.22E-03	1.33E-02
611.9	1.03E-02	5.52E-03	1.35E-02
613	1.08E-02	5.24E-03	1.42E-02
614.1	1.11E-02	6.49E-03	1.52E-02
615.2	1.11E-02	5.62E-03	1.48E-02
616.2	1.00E-02	6.04E-03	1.48E-02
617.3	9.29E-03	4.87E-03	1.34E-02
618.4	9.91E-03	5.90E-03	1.32E-02
619.5	8.76E-03	4.98E-03	1.18E-02
620.6	8.46E-03	4.77E-03	1.20E-02
621.6	6.90E-03	3.91E-03	1.06E-02
622.7	8.66E-03	4.31E-03	1.02E-02

7pH Spectroscopy Curves

623.8	9.34E-03	4.19E-03	9.20E-03
624.9	1.12E-02	4.32E-03	9.60E-03
625.9	9.93E-03	3.52E-03	8.87E-03
627	9.52E-03	3.04E-03	8.99E-03
628.1	8.76E-03	2.57E-03	8.96E-03
629.2	1.01E-02	2.51E-03	9.04E-03
630.2	1.02E-02	2.74E-03	9.19E-03
631.3	1.05E-02	4.13E-03	1.07E-02
632.4	9.74E-03	5.35E-03	1.21E-02
633.5	9.59E-03	6.25E-03	1.26E-02
634.5	9.72E-03	6.32E-03	1.19E-02
635.6	1.03E-02	6.15E-03	1.23E-02
636.7	1.01E-02	5.33E-03	1.28E-02
637.8	9.77E-03	5.38E-03	1.41E-02
638.8	9.36E-03	5.40E-03	1.40E-02
639.9	1.00E-02	6.91E-03	1.48E-02
641	1.06E-02	7.73E-03	1.49E-02
642.1	1.07E-02	8.39E-03	1.62E-02
643.1	9.87E-03	7.36E-03	1.52E-02
644.2	1.02E-02	6.58E-03	1.44E-02
645.3	1.09E-02	6.50E-03	1.31E-02
646.4	1.27E-02	8.09E-03	1.42E-02
647.5	1.33E-02	9.63E-03	1.46E-02
648.5	1.50E-02	9.70E-03	1.52E-02
649.6	1.57E-02	1.08E-02	1.58E-02
650.7	1.71E-02	1.17E-02	1.66E-02
651.8	1.78E-02	1.43E-02	1.87E-02
652.8	1.87E-02	1.48E-02	2.02E-02
653.9	1.95E-02	1.64E-02	2.12E-02
655	2.11E-02	1.76E-02	2.13E-02
656.1	2.28E-02	1.91E-02	2.20E-02
657.1	2.39E-02	2.01E-02	2.36E-02
658.2	2.43E-02	2.08E-02	2.54E-02
659.3	2.47E-02	2.23E-02	2.68E-02
660.4	2.56E-02	2.31E-02	2.75E-02
661.4	2.54E-02	2.40E-02	2.74E-02
662.5	2.65E-02	2.44E-02	2.85E-02
663.6	2.63E-02	2.43E-02	2.97E-02
664.7	2.54E-02	2.43E-02	3.07E-02
665.7	2.34E-02	2.44E-02	3.03E-02
666.8	2.19E-02	2.50E-02	3.04E-02
667.9	2.14E-02	2.50E-02	2.99E-02
669	2.12E-02	2.35E-02	2.92E-02
670.1	1.96E-02	2.04E-02	2.65E-02

7pH Spectroscopy Curves

671.1	1.82E-02	1.72E-02	2.37E-02
672.2	1.61E-02	1.48E-02	2.06E-02
673.3	1.38E-02	1.30E-02	1.72E-02
674.3	1.19E-02	1.20E-02	1.62E-02
675.4	9.92E-03	9.64E-03	1.47E-02
676.5	8.64E-03	8.26E-03	1.47E-02
677.6	6.71E-03	6.08E-03	1.37E-02
678.6	4.92E-03	5.38E-03	1.18E-02
679.7	4.40E-03	3.98E-03	1.04E-02
680.8	4.64E-03	2.63E-03	8.37E-03
681.9	3.34E-03	1.23E-03	7.71E-03
682.9	2.39E-03	2.95E-04	7.16E-03
684	2.02E-03	9.13E-04	8.41E-03
685.1	2.48E-03	-1.29E-05	8.32E-03
686.2	2.54E-03	-2.83E-04	8.66E-03
687.2	1.56E-03	-1.69E-03	7.09E-03
688.3	1.21E-03	-1.12E-03	6.50E-03
689.4	1.52E-03	-5.04E-04	7.48E-03
690.4	1.07E-03	3.02E-05	7.62E-03
691.5	1.40E-03	-7.78E-04	8.10E-03
692.6	5.82E-04	-6.95E-05	7.94E-03
693.7	1.22E-03	-1.09E-03	7.97E-03
694.7	1.21E-03	-5.11E-04	8.74E-03
695.8	2.39E-04	-2.15E-03	8.04E-03
696.9	-8.56E-04	-2.25E-03	7.91E-03
698	-9.39E-04	-2.12E-03	8.40E-03
699	-7.17E-04	-1.80E-03	8.27E-03
700.1	-1.80E-04	-9.07E-04	9.43E-03
701.2	-1.33E-03	-1.58E-03	8.98E-03
702.2	-8.24E-04	-2.02E-03	9.01E-03
703.3	-1.26E-03	-2.46E-03	9.16E-03
704.4	-5.03E-04	-1.97E-03	9.43E-03
705.5	-1.66E-04	-1.61E-03	9.74E-03
706.6	-1.24E-05	-1.46E-03	9.14E-03
707.7	3.37E-04	-2.50E-03	8.69E-03
708.8	6.88E-04	-2.86E-03	8.19E-03
709.9	9.23E-04	-3.72E-03	6.33E-03
711	1.11E-03	-4.04E-03	6.41E-03
712.1	1.15E-03	-4.55E-03	5.00E-03
713.2	1.32E-03	-4.88E-03	5.26E-03
714.3	9.97E-04	-4.85E-03	4.29E-03
715.4	5.92E-04	-5.49E-03	3.82E-03
716.5	2.02E-04	-5.90E-03	3.74E-03
717.6	8.51E-06	-6.10E-03	2.61E-03

7pH Spectroscopy Curves

718.8	4.67E-04	-5.86E-03	3.29E-03
719.9	-1.99E-04	-5.71E-03	3.40E-03
721	6.13E-05	-5.33E-03	4.15E-03
722.1	-3.94E-04	-4.45E-03	4.97E-03
723.2	2.67E-05	-4.75E-03	5.67E-03
724.3	-3.74E-04	-5.10E-03	7.22E-03
725.4	-5.84E-04	-5.74E-03	8.18E-03
726.5	-3.44E-04	-4.47E-03	9.47E-03
727.6	1.97E-04	-3.85E-03	1.02E-02
728.7	-3.53E-04	-3.64E-03	1.16E-02
729.8	3.38E-04	-2.58E-03	1.25E-02
731	-2.91E-04	-1.31E-03	1.29E-02
732.1	9.36E-04	-4.52E-04	1.31E-02
733.2	6.32E-04	-1.10E-03	1.27E-02
734.3	1.64E-03	-1.54E-03	1.31E-02
735.4	7.63E-04	-2.41E-03	1.24E-02
736.5	1.11E-03	-2.92E-03	1.26E-02
737.6	0.00E+00	-3.62E-03	1.17E-02
738.7	3.04E-04	-3.47E-03	1.18E-02
739.8	-5.73E-04	-4.67E-03	1.02E-02
740.9	-2.24E-04	-5.62E-03	8.49E-03
742.1	-8.72E-04	-6.37E-03	6.60E-03
743.2	-4.69E-04	-6.30E-03	5.48E-03
744.3	-1.18E-03	-6.41E-03	5.04E-03
745.4	-1.16E-03	-6.92E-03	5.05E-03
746.5	-1.31E-03	-7.64E-03	5.14E-03
747.6	-1.39E-03	-8.45E-03	5.01E-03
748.7	-1.04E-03	-9.37E-03	3.64E-03
749.8	-2.27E-03	-1.04E-02	2.32E-03
750.9	-1.02E-03	-1.11E-02	2.35E-03
752	-2.37E-03	-1.11E-02	1.52E-03
753.1	-1.21E-03	-1.05E-02	2.03E-03
754.3	-1.67E-03	-9.48E-03	1.29E-03
755.4	-1.17E-03	-8.99E-03	3.20E-03
756.5	-1.04E-03	-8.91E-03	4.15E-03
757.6	-2.26E-03	-8.89E-03	4.23E-03
758.7	-2.04E-03	-8.75E-03	3.91E-03
759.8	-2.65E-03	-8.01E-03	4.95E-03
760.9	-1.56E-03	-7.44E-03	7.11E-03
762	-9.11E-04	-6.57E-03	7.64E-03
763.1	-5.33E-04	-6.33E-03	8.25E-03
764.2	-1.18E-03	-7.10E-03	8.50E-03
765.3	-8.58E-04	-7.07E-03	9.44E-03
766.5	-1.81E-03	-6.67E-03	9.61E-03

7pH Spectroscopy Curves

767.6	-1.31E-03	-5.39E-03	1.05E-02
768.7	-2.63E-03	-5.01E-03	1.13E-02
769.8	-2.54E-03	-5.25E-03	1.19E-02
770.9	-3.01E-03	-5.34E-03	1.22E-02
772	-1.89E-03	-5.28E-03	1.31E-02
773.1	-2.23E-03	-5.22E-03	1.29E-02
774.2	-2.61E-03	-5.71E-03	1.14E-02
775.3	-3.39E-03	-7.28E-03	9.29E-03
776.4	-1.98E-03	-8.01E-03	9.15E-03
777.6	-2.01E-03	-8.82E-03	1.00E-02
778.7	-3.30E-03	-9.06E-03	9.25E-03
779.8	-3.84E-03	-9.11E-03	8.04E-03
780.9	-4.81E-03	-1.01E-02	5.95E-03
782	-4.19E-03	-1.07E-02	6.16E-03
783.1	-4.91E-03	-1.23E-02	5.75E-03
784.2	-4.52E-03	-1.17E-02	5.95E-03
785.3	-4.33E-03	-1.11E-02	4.71E-03
786.4	-3.80E-03	-1.03E-02	3.65E-03
787.5	-3.39E-03	-1.07E-02	1.90E-03
788.6	-3.39E-03	-1.12E-02	1.57E-03
789.8	-4.56E-03	-1.26E-02	9.80E-04
790.9	-4.86E-03	-1.36E-02	1.62E-03
792	-5.38E-03	-1.52E-02	1.98E-04
793.1	-4.69E-03	-1.51E-02	5.60E-06
794.2	-4.60E-03	-1.46E-02	-4.62E-04
795.3	-3.93E-03	-1.37E-02	7.65E-04
796.4	-4.11E-03	-1.33E-02	4.64E-04
797.5	-4.79E-03	-1.34E-02	6.68E-04
798.6	-5.29E-03	-1.36E-02	7.83E-04
799.7	-5.27E-03	-1.32E-02	1.42E-03
800.8	-3.29E-03	-1.16E-02	3.04E-03
802	-2.75E-03	-1.07E-02	4.77E-03
803.1	-2.51E-03	-9.46E-03	7.19E-03
804.2	-4.41E-03	-9.92E-03	7.93E-03
805.3	-4.43E-03	-9.42E-03	9.40E-03
806.4	-4.66E-03	-9.80E-03	9.40E-03
807.5	-4.87E-03	-1.04E-02	9.81E-03
808.6	-5.33E-03	-1.08E-02	8.79E-03
809.7	-5.25E-03	-1.04E-02	1.01E-02
810.8	-5.00E-03	-9.78E-03	1.06E-02
811.9	-4.11E-03	-8.78E-03	1.18E-02
813.1	-3.87E-03	-9.33E-03	1.15E-02
814.2	-3.45E-03	-9.04E-03	1.17E-02
815.3	-4.18E-03	-9.59E-03	1.20E-02

7pH Spectroscopy Curves

816.4	-5.19E-03	-9.25E-03	1.23E-02
817.5	-5.03E-03	-9.42E-03	1.23E-02
818.6	-4.77E-03	-9.82E-03	1.21E-02
819.7	-3.59E-03	-1.06E-02	1.17E-02
820.8	-3.37E-03	-1.14E-02	9.76E-03
821.9	-3.57E-03	-1.22E-02	8.64E-03
823	-4.18E-03	-1.38E-02	7.18E-03
824.1	-5.21E-03	-1.50E-02	6.54E-03
825.3	-5.62E-03	-1.56E-02	4.61E-03
826.4	-5.92E-03	-1.60E-02	3.72E-03
827.5	-5.21E-03	-1.49E-02	4.52E-03
828.6	-5.81E-03	-1.50E-02	2.65E-03
829.7	-5.18E-03	-1.38E-02	2.60E-03
830.8	-5.27E-03	-1.47E-02	1.30E-03
831.9	-5.16E-03	-1.45E-02	2.77E-03
833	-5.53E-03	-1.50E-02	1.56E-03
834	-6.11E-03	-1.55E-02	1.96E-03
835.1	-5.17E-03	-1.56E-02	2.15E-03
836.1	-5.68E-03	-1.54E-02	2.16E-03
837.2	-5.52E-03	-1.50E-02	1.31E-03
838.2	-6.35E-03	-1.49E-02	1.12E-03
839.3	-5.90E-03	-1.53E-02	7.98E-04
840.3	-5.80E-03	-1.71E-02	-3.00E-04
841.4	-6.19E-03	-1.72E-02	-7.80E-06
842.4	-6.04E-03	-1.66E-02	2.17E-03
843.5	-4.21E-03	-1.42E-02	5.55E-03
844.5	-2.99E-03	-1.27E-02	7.67E-03
845.6	-4.01E-03	-1.26E-02	7.99E-03
846.6	-6.01E-03	-1.37E-02	7.53E-03
847.7	-5.21E-03	-1.49E-02	7.69E-03
848.7	-4.57E-03	-1.40E-02	8.90E-03
849.8	-2.72E-03	-1.21E-02	1.03E-02
850.8	-3.33E-03	-9.90E-03	1.10E-02
851.9	-1.38E-03	-1.00E-02	1.26E-02
852.9	-3.47E-03	-1.12E-02	1.24E-02
854	-4.67E-03	-1.13E-02	1.34E-02
855	-4.52E-03	-1.05E-02	1.31E-02
856.1	-3.82E-03	-8.58E-03	1.39E-02
857.1	-1.57E-03	-9.30E-03	1.56E-02
858.2	-3.08E-03	-1.01E-02	1.64E-02
859.2	-2.84E-03	-1.14E-02	1.72E-02
860.3	-4.18E-03	-1.12E-02	1.61E-02
861.4	-4.08E-03	-1.14E-02	1.57E-02
862.4	-4.22E-03	-9.97E-03	1.65E-02

7pH Spectroscopy Curves

863.5	-4.45E-03	-9.28E-03	1.56E-02
864.5	-4.25E-03	-8.70E-03	1.43E-02
865.6	-3.55E-03	-1.14E-02	1.19E-02
866.6	-2.34E-03	-1.22E-02	1.20E-02
867.7	-1.98E-03	-1.34E-02	1.20E-02
868.7	-3.44E-03	-1.35E-02	1.18E-02
869.8	-3.95E-03	-1.43E-02	1.11E-02
870.8	-3.58E-03	-1.42E-02	9.46E-03
871.9	-2.05E-03	-1.31E-02	9.20E-03
872.9	-2.00E-03	-1.39E-02	7.03E-03
874	-2.20E-03	-1.43E-02	8.00E-03
875	-2.05E-03	-1.35E-02	8.85E-03
876.1	-1.79E-03	-1.23E-02	9.99E-03
877.1	-1.61E-03	-1.11E-02	1.04E-02
878.2	-6.70E-04	-1.14E-02	1.04E-02
879.2	1.34E-03	-1.08E-02	1.19E-02
880.3	2.46E-03	-1.14E-02	1.16E-02
881.3	1.72E-03	-1.16E-02	1.20E-02
882.4	1.77E-03	-1.07E-02	1.34E-02
883.4	1.30E-03	-9.19E-03	1.29E-02
884.5	3.18E-03	-8.72E-03	1.38E-02
885.5	3.07E-03	-8.36E-03	1.28E-02
886.6	5.60E-03	-9.05E-03	1.42E-02
887.6	7.04E-03	-6.68E-03	1.60E-02
888.7	7.59E-03	-7.31E-03	1.63E-02
889.7	8.64E-03	-5.31E-03	1.88E-02
890.8	7.64E-03	-6.24E-03	1.93E-02
891.9	8.16E-03	-4.26E-03	2.18E-02
892.9	5.79E-03	-5.14E-03	2.28E-02
894	7.70E-03	-4.35E-03	2.16E-02
895	7.86E-03	-2.70E-03	2.43E-02
896.1	8.28E-03	-1.40E-03	2.41E-02
897.1	6.60E-03	-1.38E-03	2.58E-02
898.2	7.55E-03	-6.88E-04	2.61E-02
899.2	7.36E-03	-1.99E-03	2.53E-02
900.3	9.23E-03	-9.49E-04	2.67E-02
901.3	8.34E-03	-2.79E-03	2.49E-02
902.4	7.86E-03	-2.20E-03	2.69E-02
903.4	4.16E-03	-3.51E-03	2.56E-02
904.5	1.96E-03	-5.97E-03	2.27E-02
905.5	3.66E-03	-4.16E-03	2.42E-02
906.6	4.25E-03	-3.38E-03	2.37E-02
907.6	5.51E-03	-4.70E-04	2.62E-02
908.7	3.01E-03	-1.43E-03	2.43E-02

7pH Spectroscopy Curves

909.7	2.70E-03	-1.47E-03	2.31E-02
910.8	1.85E-03	-1.31E-03	2.37E-02
911.8	2.63E-03	-3.59E-04	2.25E-02
912.9	7.07E-04	-1.46E-03	2.03E-02
913.9	-6.60E-04	-1.71E-03	1.91E-02
915	-2.74E-03	-3.68E-03	1.79E-02
916	-1.56E-03	-2.68E-03	1.96E-02
917.1	-1.36E-03	-3.91E-03	1.71E-02
918.1	-2.35E-03	-3.54E-03	1.75E-02
919.2	-2.91E-03	-4.83E-03	1.74E-02
920.3	-3.48E-03	-5.36E-03	1.94E-02
921.3	-5.12E-03	-4.83E-03	1.84E-02
922.4	-7.08E-03	-5.05E-03	1.66E-02
923.4	-8.51E-03	-4.97E-03	1.51E-02
924.5	-6.42E-03	-4.91E-03	1.73E-02
925.5	-6.38E-03	-3.24E-03	1.87E-02
926.6	-6.57E-03	-3.36E-03	1.77E-02
927.6	-8.25E-03	-2.89E-03	1.79E-02
928.7	-8.52E-03	-4.41E-03	1.91E-02
929.7	-1.02E-02	-5.37E-03	2.09E-02
930.8	-9.40E-03	-3.59E-03	2.33E-02
931.8	-1.04E-02	-3.72E-03	2.37E-02
932.9	-9.27E-03	-2.28E-03	2.36E-02
933.9	-1.00E-02	-3.16E-03	2.31E-02
935	-8.14E-03	-5.31E-04	2.58E-02
936	-7.50E-03	1.20E-03	2.91E-02
937.1	-7.28E-03	1.14E-03	3.00E-02
938.1	-7.78E-03	2.56E-03	2.97E-02
939.2	-6.20E-03	2.47E-03	2.91E-02
940.3	-5.04E-03	3.24E-03	2.85E-02
941.3	-4.99E-03	1.51E-03	2.77E-02
942.4	-5.39E-03	2.59E-03	2.74E-02
943.4	-5.53E-03	1.97E-03	2.71E-02
944.5	-3.32E-03	2.42E-03	2.68E-02
945.5	-2.65E-03	6.67E-04	2.62E-02
946.6	-2.50E-03	1.81E-03	2.65E-02
947.6	-1.68E-03	3.33E-03	2.64E-02
948.7	-4.98E-04	4.51E-03	2.65E-02
949.7	1.92E-03	4.83E-03	2.60E-02

7.5pH Spectroscopy Curves

Wavelength (nm)	Sample 1	Sample 2
380.5	5.88E-02	2.64E-02
381.6	5.73E-02	2.77E-02
382.8	6.40E-02	3.66E-02
383.9	6.29E-02	4.69E-02
385.1	6.06E-02	5.62E-02
386.2	5.62E-02	5.91E-02
387.4	5.25E-02	5.98E-02
388.5	4.85E-02	5.29E-02
389.7	4.47E-02	5.09E-02
390.8	4.14E-02	4.85E-02
392	4.30E-02	5.06E-02
393.1	4.46E-02	5.22E-02
394.3	4.48E-02	5.06E-02
395.4	4.26E-02	4.95E-02
396.6	3.96E-02	4.74E-02
397.7	3.74E-02	4.72E-02
398.9	3.52E-02	4.77E-02
400	3.34E-02	4.67E-02
401.2	3.25E-02	4.51E-02
402.3	3.23E-02	4.34E-02
403.5	3.15E-02	4.40E-02
404.6	3.16E-02	4.28E-02
405.8	3.12E-02	4.17E-02
406.9	3.12E-02	3.83E-02
408.1	3.13E-02	3.75E-02
409.2	3.12E-02	3.83E-02
410.4	3.20E-02	4.06E-02
411.5	3.21E-02	4.14E-02
412.7	3.36E-02	4.15E-02
413.8	3.45E-02	4.02E-02
415	3.45E-02	4.16E-02
416.1	3.39E-02	4.17E-02
417.3	3.41E-02	4.32E-02
418.4	3.53E-02	4.30E-02
419.6	3.54E-02	4.25E-02
420.7	3.41E-02	4.26E-02
421.9	3.30E-02	4.32E-02
423	3.35E-02	4.43E-02
424.2	3.39E-02	4.47E-02
425.3	3.56E-02	4.62E-02
426.5	3.67E-02	4.73E-02
427.6	3.87E-02	4.81E-02
428.8	3.99E-02	4.77E-02

7.5pH Spectroscopy Curves

429.9	4.05E-02	4.78E-02
431.1	4.10E-02	4.84E-02
432.2	3.95E-02	4.93E-02
433.4	4.03E-02	5.03E-02
434.5	4.00E-02	5.01E-02
435.7	4.07E-02	5.01E-02
436.8	4.15E-02	4.97E-02
438	4.20E-02	5.10E-02
439.1	4.30E-02	5.20E-02
440.3	4.26E-02	5.23E-02
441.4	4.18E-02	5.11E-02
442.6	4.03E-02	4.93E-02
443.7	3.94E-02	4.83E-02
444.9	4.01E-02	4.60E-02
446	4.06E-02	4.47E-02
447.2	3.92E-02	4.13E-02
448.3	3.75E-02	4.08E-02
449.5	3.52E-02	3.99E-02
450.6	3.46E-02	3.96E-02
451.8	3.37E-02	3.86E-02
452.9	3.39E-02	3.69E-02
454.1	3.38E-02	3.66E-02
455.2	3.16E-02	3.63E-02
456.4	3.22E-02	3.61E-02
457.5	3.19E-02	3.57E-02
458.7	3.34E-02	3.58E-02
459.8	3.21E-02	3.49E-02
461	3.07E-02	3.29E-02
462.1	2.92E-02	3.04E-02
463.3	2.81E-02	2.97E-02
464.4	2.80E-02	2.94E-02
465.6	2.96E-02	2.96E-02
466.7	3.13E-02	3.04E-02
467.9	3.13E-02	3.12E-02
469	2.98E-02	3.22E-02
470.2	2.66E-02	2.95E-02
471.3	2.71E-02	2.84E-02
472.5	2.64E-02	2.59E-02
473.6	2.61E-02	2.74E-02
474.8	2.50E-02	2.69E-02
475.9	2.31E-02	2.72E-02
477.1	2.24E-02	2.54E-02
478.2	2.20E-02	2.52E-02
479.4	2.35E-02	2.40E-02

7.5pH Spectroscopy Curves

480.5	2.50E-02	2.36E-02
481.7	2.32E-02	2.15E-02
482.8	2.16E-02	1.96E-02
484	2.02E-02	1.72E-02
485.1	1.92E-02	1.58E-02
486.3	1.84E-02	1.42E-02
487.4	1.75E-02	1.42E-02
488.6	1.75E-02	1.44E-02
489.7	1.82E-02	1.56E-02
490.9	1.59E-02	1.24E-02
492	1.57E-02	1.04E-02
493.2	1.52E-02	8.63E-03
494.3	1.64E-02	1.01E-02
495.5	1.56E-02	9.70E-03
496.6	1.40E-02	8.82E-03
497.8	1.34E-02	8.13E-03
498.9	1.37E-02	8.45E-03
500.1	1.42E-02	7.39E-03
501.2	1.49E-02	6.05E-03
502.4	1.47E-02	5.09E-03
503.5	1.44E-02	6.51E-03
504.6	1.49E-02	7.00E-03
505.8	1.54E-02	8.00E-03
506.9	1.64E-02	7.02E-03
508.1	1.65E-02	7.00E-03
509.2	1.56E-02	5.51E-03
510.4	1.48E-02	4.59E-03
511.6	1.47E-02	4.55E-03
512.6	1.39E-02	3.54E-03
513.7	1.42E-02	4.05E-03
514.7	1.41E-02	4.21E-03
515.8	1.41E-02	4.19E-03
516.9	1.41E-02	4.34E-03
517.9	1.35E-02	2.76E-03
519	1.40E-02	3.06E-03
520.1	1.43E-02	1.71E-03
521.1	1.39E-02	1.13E-03
522.2	1.32E-02	6.81E-04
523.3	1.26E-02	1.48E-03
524.3	1.24E-02	2.39E-03
525.4	1.24E-02	2.29E-03
526.5	1.19E-02	1.11E-03
527.5	1.11E-02	-1.37E-04
528.6	1.19E-02	-8.36E-05

7.5pH Spectroscopy Curves

529.7	1.08E-02	-1.02E-03
530.7	1.06E-02	-1.81E-03
531.8	9.30E-03	-3.69E-03
532.9	9.61E-03	-4.30E-03
533.9	1.01E-02	-4.12E-03
535	1.04E-02	-3.99E-03
536.1	1.02E-02	-3.75E-03
537.1	8.95E-03	-3.90E-03
538.2	6.99E-03	-4.54E-03
539.2	5.66E-03	-5.74E-03
540.3	6.46E-03	-6.11E-03
541.4	7.39E-03	-5.56E-03
542.4	8.42E-03	-4.56E-03
543.5	6.57E-03	-4.59E-03
544.6	6.71E-03	-4.86E-03
545.6	5.30E-03	-6.42E-03
546.7	6.01E-03	-7.09E-03
547.8	5.13E-03	-8.72E-03
548.8	4.65E-03	-7.98E-03
549.9	3.58E-03	-8.07E-03
551	3.05E-03	-8.21E-03
552	2.49E-03	-8.52E-03
553.1	3.48E-03	-8.02E-03
554.2	3.96E-03	-7.02E-03
555.2	4.17E-03	-7.02E-03
556.3	2.98E-03	-8.67E-03
557.4	1.64E-03	-9.14E-03
558.4	2.69E-03	-9.96E-03
559.5	2.34E-03	-9.67E-03
560.6	2.56E-03	-9.72E-03
561.6	2.12E-03	-1.00E-02
562.7	3.33E-03	-1.13E-02
563.7	4.04E-03	-1.24E-02
564.8	3.20E-03	-1.27E-02
565.9	2.56E-03	-1.21E-02
566.9	1.30E-03	-1.25E-02
568	1.84E-03	-1.27E-02
569.1	1.70E-03	-1.26E-02
570.1	2.81E-03	-1.24E-02
571.2	2.23E-03	-1.30E-02
572.3	2.31E-03	-1.34E-02
573.3	3.07E-03	-1.25E-02
574.4	2.64E-03	-1.17E-02
575.5	3.16E-03	-1.13E-02

7.5pH Spectroscopy Curves

576.5	2.01E-03	-1.28E-02
577.6	3.50E-03	-1.31E-02
578.7	2.68E-03	-1.33E-02
579.7	2.89E-03	-1.21E-02
580.8	2.71E-03	-1.19E-02
581.9	3.32E-03	-1.20E-02
582.9	3.68E-03	-1.20E-02
584	2.91E-03	-1.22E-02
585.1	2.23E-03	-1.23E-02
586.1	1.80E-03	-1.38E-02
587.2	2.38E-03	-1.40E-02
588.3	3.12E-03	-1.34E-02
589.3	3.05E-03	-1.32E-02
590.4	3.10E-03	-1.33E-02
591.5	2.98E-03	-1.41E-02
592.6	3.25E-03	-1.25E-02
593.6	3.73E-03	-1.22E-02
594.7	4.23E-03	-1.06E-02
595.8	4.99E-03	-1.16E-02
596.9	5.49E-03	-1.07E-02
598	4.54E-03	-1.27E-02
599	4.13E-03	-1.26E-02
600.1	3.32E-03	-1.45E-02
601.2	4.50E-03	-1.43E-02
602.3	4.79E-03	-1.39E-02
603.3	5.06E-03	-1.26E-02
604.4	4.90E-03	-1.22E-02
605.5	5.16E-03	-1.22E-02
606.6	5.25E-03	-1.20E-02
607.6	5.12E-03	-1.07E-02
608.7	5.34E-03	-1.13E-02
609.8	5.12E-03	-1.24E-02
610.9	6.34E-03	-1.36E-02
611.9	5.94E-03	-1.34E-02
613	6.01E-03	-1.34E-02
614.1	5.44E-03	-1.31E-02
615.2	5.42E-03	-1.28E-02
616.2	4.52E-03	-1.22E-02
617.3	3.56E-03	-1.27E-02
618.4	3.47E-03	-1.35E-02
619.5	4.14E-03	-1.43E-02
620.6	4.39E-03	-1.46E-02
621.6	4.42E-03	-1.40E-02
622.7	4.72E-03	-1.32E-02

7.5pH Spectroscopy Curves

623.8	4.58E-03	-1.24E-02
624.9	4.02E-03	-1.30E-02
625.9	3.38E-03	-1.34E-02
627	3.36E-03	-1.43E-02
628.1	3.08E-03	-1.49E-02
629.2	3.30E-03	-1.39E-02
630.2	2.91E-03	-1.42E-02
631.3	3.39E-03	-1.42E-02
632.4	2.86E-03	-1.62E-02
633.5	2.78E-03	-1.54E-02
634.5	2.00E-03	-1.46E-02
635.6	2.46E-03	-1.34E-02
636.7	3.46E-03	-1.29E-02
637.8	4.17E-03	-1.25E-02
638.8	3.90E-03	-1.18E-02
639.9	2.93E-03	-1.17E-02
641	2.43E-03	-1.18E-02
642.1	2.52E-03	-1.13E-02
643.1	3.75E-03	-1.02E-02
644.2	4.49E-03	-8.81E-03
645.3	4.75E-03	-8.87E-03
646.4	4.35E-03	-8.38E-03
647.5	4.15E-03	-8.88E-03
648.5	4.93E-03	-7.57E-03
649.6	5.92E-03	-6.18E-03
650.7	7.37E-03	-3.94E-03
651.8	9.11E-03	-2.73E-03
652.8	9.70E-03	-2.02E-03
653.9	1.00E-02	-1.30E-03
655	1.03E-02	2.76E-05
656.1	1.04E-02	1.51E-03
657.1	1.08E-02	1.90E-03
658.2	1.02E-02	3.22E-03
659.3	1.18E-02	4.08E-03
660.4	1.21E-02	5.57E-03
661.4	1.33E-02	5.88E-03
662.5	1.29E-02	6.06E-03
663.6	1.33E-02	5.54E-03
664.7	1.25E-02	4.83E-03
665.7	1.26E-02	4.08E-03
666.8	1.21E-02	3.81E-03
667.9	1.13E-02	2.12E-03
669	9.15E-03	-5.39E-04
670.1	7.98E-03	-3.18E-03

7.5pH Spectroscopy Curves

671.1	8.36E-03	-3.43E-03
672.2	7.07E-03	-5.57E-03
673.3	5.81E-03	-6.81E-03
674.3	3.94E-03	-9.76E-03
675.4	3.09E-03	-1.13E-02
676.5	3.72E-03	-1.29E-02
677.6	2.53E-03	-1.43E-02
678.6	2.26E-03	-1.44E-02
679.7	9.74E-04	-1.51E-02
680.8	-3.01E-04	-1.69E-02
681.9	-1.33E-03	-1.82E-02
682.9	-2.50E-03	-2.02E-02
684	-2.44E-03	-2.03E-02
685.1	-2.76E-03	-2.15E-02
686.2	-3.30E-03	-2.15E-02
687.2	-3.35E-03	-2.10E-02
688.3	-3.38E-03	-1.95E-02
689.4	-3.81E-03	-1.94E-02
690.4	-4.50E-03	-2.03E-02
691.5	-4.41E-03	-2.13E-02
692.6	-4.67E-03	-2.19E-02
693.7	-5.50E-03	-2.32E-02
694.7	-6.44E-03	-2.44E-02
695.8	-6.37E-03	-2.39E-02
696.9	-5.10E-03	-2.32E-02
698	-4.12E-03	-2.25E-02
699	-3.87E-03	-2.31E-02
700.1	-4.98E-03	-2.41E-02
701.2	-6.75E-03	-2.48E-02
702.2	-7.71E-03	-2.53E-02
703.3	-7.39E-03	-2.48E-02
704.4	-6.08E-03	-2.41E-02
705.5	-6.26E-03	-2.44E-02
706.6	-6.24E-03	-2.52E-02
707.7	-7.91E-03	-2.68E-02
708.8	-7.03E-03	-2.64E-02
709.9	-8.05E-03	-2.63E-02
711	-7.64E-03	-2.57E-02
712.1	-8.59E-03	-2.61E-02
713.2	-8.41E-03	-2.66E-02
714.3	-8.05E-03	-2.72E-02
715.4	-7.98E-03	-2.79E-02
716.5	-8.07E-03	-2.73E-02
717.6	-8.05E-03	-2.76E-02

7.5pH Spectroscopy Curves

718.8	-8.14E-03	-2.74E-02
719.9	-7.54E-03	-2.79E-02
721	-6.75E-03	-2.70E-02
722.1	-6.42E-03	-2.75E-02
723.2	-7.01E-03	-2.71E-02
724.3	-8.04E-03	-2.85E-02
725.4	-8.04E-03	-2.90E-02
726.5	-8.22E-03	-2.88E-02
727.6	-8.17E-03	-2.81E-02
728.7	-8.25E-03	-2.65E-02
729.8	-8.64E-03	-2.73E-02
731	-8.52E-03	-2.62E-02
732.1	-8.86E-03	-2.61E-02
733.2	-8.58E-03	-2.53E-02
734.3	-8.67E-03	-2.69E-02
735.4	-7.53E-03	-2.76E-02
736.5	-6.95E-03	-2.80E-02
737.6	-6.41E-03	-2.76E-02
738.7	-7.64E-03	-2.79E-02
739.8	-7.78E-03	-2.68E-02
740.9	-8.66E-03	-2.73E-02
742.1	-8.13E-03	-2.71E-02
743.2	-7.76E-03	-2.87E-02
744.3	-7.16E-03	-2.89E-02
745.4	-8.34E-03	-3.01E-02
746.5	-9.47E-03	-3.09E-02
747.6	-1.11E-02	-3.12E-02
748.7	-1.02E-02	-3.08E-02
749.8	-9.81E-03	-2.96E-02
750.9	-8.04E-03	-2.86E-02
752	-8.34E-03	-2.85E-02
753.1	-8.49E-03	-2.97E-02
754.3	-9.27E-03	-3.02E-02
755.4	-9.01E-03	-2.97E-02
756.5	-9.59E-03	-2.90E-02
757.6	-9.19E-03	-2.86E-02
758.7	-8.48E-03	-2.86E-02
759.8	-7.87E-03	-2.91E-02
760.9	-8.95E-03	-2.93E-02
762	-9.66E-03	-3.01E-02
763.1	-9.71E-03	-2.93E-02
764.2	-9.50E-03	-2.89E-02
765.3	-9.69E-03	-2.93E-02
766.5	-8.87E-03	-2.96E-02

7.5pH Spectroscopy Curves

767.6	-8.59E-03	-3.03E-02
768.7	-8.70E-03	-2.90E-02
769.8	-8.83E-03	-2.87E-02
770.9	-8.73E-03	-2.80E-02
772	-7.94E-03	-2.75E-02
773.1	-7.48E-03	-2.70E-02
774.2	-7.20E-03	-2.67E-02
775.3	-7.28E-03	-2.79E-02
776.4	-7.83E-03	-2.79E-02
777.6	-7.48E-03	-2.96E-02
778.7	-7.52E-03	-2.90E-02
779.8	-7.09E-03	-2.92E-02
780.9	-8.36E-03	-2.90E-02
782	-8.71E-03	-2.86E-02
783.1	-9.55E-03	-2.88E-02
784.2	-8.80E-03	-2.74E-02
785.3	-8.89E-03	-2.67E-02
786.4	-9.20E-03	-2.64E-02
787.5	-9.84E-03	-2.74E-02
788.6	-9.80E-03	-2.90E-02
789.8	-9.78E-03	-2.91E-02
790.9	-1.04E-02	-2.93E-02
792	-1.06E-02	-2.96E-02
793.1	-1.11E-02	-3.01E-02
794.2	-9.84E-03	-2.96E-02
795.3	-1.09E-02	-3.01E-02
796.4	-1.08E-02	-3.11E-02
797.5	-1.19E-02	-3.17E-02
798.6	-1.18E-02	-3.17E-02
799.7	-1.13E-02	-3.10E-02
800.8	-9.67E-03	-3.02E-02
802	-9.42E-03	-2.82E-02
803.1	-9.92E-03	-2.82E-02
804.2	-1.08E-02	-2.80E-02
805.3	-9.84E-03	-2.84E-02
806.4	-9.02E-03	-2.79E-02
807.5	-7.77E-03	-2.83E-02
808.6	-8.40E-03	-2.79E-02
809.7	-8.02E-03	-2.72E-02
810.8	-9.17E-03	-2.66E-02
811.9	-8.64E-03	-2.62E-02
813.1	-8.58E-03	-2.56E-02
814.2	-8.87E-03	-2.59E-02
815.3	-8.98E-03	-2.60E-02

7.5pH Spectroscopy Curves

816.4	-1.02E-02	-2.75E-02
817.5	-1.02E-02	-2.70E-02
818.6	-1.10E-02	-2.80E-02
819.7	-1.03E-02	-2.76E-02
820.8	-9.96E-03	-2.76E-02
821.9	-9.55E-03	-2.71E-02
823	-9.55E-03	-2.72E-02
824.1	-9.67E-03	-2.86E-02
825.3	-1.01E-02	-2.98E-02
826.4	-1.12E-02	-3.10E-02
827.5	-1.26E-02	-3.16E-02
828.6	-1.14E-02	-3.09E-02
829.7	-1.03E-02	-2.97E-02
830.8	-8.36E-03	-2.96E-02
831.9	-9.16E-03	-3.01E-02
833	-9.56E-03	-3.04E-02
834	-1.08E-02	-3.12E-02
835.1	-1.03E-02	-3.06E-02
836.1	-9.95E-03	-3.12E-02
837.2	-8.24E-03	-2.94E-02
838.2	-8.61E-03	-3.02E-02
839.3	-8.15E-03	-3.08E-02
840.3	-8.54E-03	-3.11E-02
841.4	-8.09E-03	-3.04E-02
842.4	-8.59E-03	-3.08E-02
843.5	-9.68E-03	-3.25E-02
844.5	-1.08E-02	-3.48E-02
845.6	-1.06E-02	-3.51E-02
846.6	-8.47E-03	-3.29E-02
847.7	-8.11E-03	-3.21E-02
848.7	-6.66E-03	-3.08E-02
849.8	-6.06E-03	-3.09E-02
850.8	-5.75E-03	-2.97E-02
851.9	-5.09E-03	-3.01E-02
852.9	-6.49E-03	-3.00E-02
854	-4.63E-03	-2.98E-02
855	-5.66E-03	-2.98E-02
856.1	-3.53E-03	-3.00E-02
857.1	-3.13E-03	-3.06E-02
858.2	-1.87E-03	-3.09E-02
859.2	-1.62E-03	-3.00E-02
860.3	-3.34E-03	-3.08E-02
861.4	-3.74E-03	-3.02E-02
862.4	-5.65E-03	-3.19E-02

7.5pH Spectroscopy Curves

863.5	-4.36E-03	-3.20E-02
864.5	-4.40E-03	-3.19E-02
865.6	-4.01E-03	-3.24E-02
866.6	-3.34E-03	-3.22E-02
867.7	-3.89E-03	-3.39E-02
868.7	-4.09E-03	-3.41E-02
869.8	-5.28E-03	-3.40E-02
870.8	-4.67E-03	-3.36E-02
871.9	-3.78E-03	-3.44E-02
872.9	-2.85E-03	-3.44E-02
874	-1.55E-03	-3.41E-02
875	-1.64E-03	-3.27E-02
876.1	-2.21E-03	-3.39E-02
877.1	-4.04E-03	-3.44E-02
878.2	-4.66E-03	-3.51E-02
879.2	-3.64E-03	-3.50E-02
880.3	-2.53E-03	-3.63E-02
881.3	-1.11E-03	-3.60E-02
882.4	-6.29E-04	-3.55E-02
883.4	4.28E-05	-3.28E-02
884.5	4.52E-04	-3.34E-02
885.5	2.98E-05	-3.27E-02
886.6	5.66E-04	-3.43E-02
887.6	7.79E-05	-3.54E-02
888.7	5.75E-04	-3.67E-02
889.7	-6.68E-04	-3.65E-02
890.8	-7.62E-04	-3.54E-02
891.9	6.44E-04	-3.48E-02
892.9	2.26E-03	-3.49E-02
894	5.43E-03	-3.57E-02
895	4.92E-03	-3.72E-02
896.1	4.32E-03	-3.63E-02
897.1	2.26E-03	-3.73E-02
898.2	3.19E-03	-3.59E-02
899.2	4.40E-03	-3.60E-02
900.3	5.38E-03	-3.35E-02
901.3	6.51E-03	-3.39E-02
902.4	4.59E-03	-3.42E-02
903.4	4.94E-03	-3.37E-02
904.5	2.91E-03	-3.08E-02
905.5	4.43E-03	-2.96E-02
906.6	4.17E-03	-3.04E-02
907.6	4.59E-03	-3.06E-02
908.7	4.70E-03	-2.98E-02

7.5pH Spectroscopy Curves

909.7	4.41E-03	-2.66E-02
910.8	5.49E-03	-2.38E-02
911.8	5.04E-03	-2.38E-02
912.9	4.57E-03	-2.30E-02
913.9	3.65E-03	-2.35E-02
915	3.41E-03	-2.19E-02
916	3.66E-03	-2.21E-02
917.1	2.41E-03	-2.14E-02
918.1	2.70E-03	-1.94E-02
919.2	2.27E-03	-1.62E-02
920.3	3.03E-03	-1.48E-02
921.3	2.76E-03	-1.35E-02
922.4	3.55E-03	-1.25E-02
923.4	3.08E-03	-9.85E-03
924.5	3.49E-03	-9.07E-03
925.5	2.14E-03	-8.33E-03
926.6	2.50E-03	-8.14E-03
927.6	1.89E-03	-7.33E-03
928.7	2.49E-03	-6.70E-03
929.7	2.67E-03	-6.18E-03
930.8	2.81E-03	-6.24E-03
931.8	2.33E-03	-6.63E-03
932.9	4.29E-03	-5.06E-03
933.9	4.59E-03	-3.20E-03
935	5.68E-03	-1.38E-03
936	4.50E-03	-1.43E-03
937.1	3.95E-03	-1.17E-03
938.1	2.88E-03	1.96E-04
939.2	2.13E-03	7.74E-04
940.3	3.51E-03	2.15E-03
941.3	5.27E-03	1.67E-03
942.4	5.00E-03	1.88E-03
943.4	6.03E-03	2.52E-03
944.5	6.27E-03	3.97E-03
945.5	7.44E-03	4.96E-03
946.6	5.11E-03	6.00E-03
947.6	5.11E-03	6.77E-03
948.7	4.84E-03	7.29E-03
949.7	6.18E-03	6.72E-03

8pH Spectroscopy Curves

Wavelength (nm)	Sample 1	Sample 2	Sample 3
380.5	7.70E-02	1.96E-02	5.51E-02
381.6	7.77E-02	2.02E-02	5.70E-02
382.8	7.90E-02	2.64E-02	5.76E-02
383.9	8.03E-02	3.17E-02	5.97E-02
385.1	8.15E-02	3.05E-02	5.89E-02
386.2	8.20E-02	2.94E-02	5.93E-02
387.4	8.14E-02	3.20E-02	5.85E-02
388.5	8.15E-02	3.18E-02	6.01E-02
389.7	8.43E-02	2.82E-02	6.37E-02
390.8	8.67E-02	3.12E-02	6.64E-02
392	8.77E-02	3.32E-02	6.81E-02
393.1	8.68E-02	3.58E-02	6.85E-02
394.3	8.51E-02	3.36E-02	6.88E-02
395.4	8.34E-02	3.56E-02	6.79E-02
396.6	8.16E-02	3.55E-02	6.70E-02
397.7	8.09E-02	3.51E-02	6.60E-02
398.9	7.98E-02	3.17E-02	6.72E-02
400	7.81E-02	3.02E-02	6.73E-02
401.2	7.50E-02	2.80E-02	6.77E-02
402.3	7.16E-02	2.73E-02	6.81E-02
403.5	6.85E-02	2.53E-02	6.95E-02
404.6	6.64E-02	2.40E-02	7.12E-02
405.8	6.56E-02	2.26E-02	7.29E-02
406.9	6.39E-02	2.17E-02	7.39E-02
408.1	6.18E-02	2.05E-02	7.45E-02
409.2	6.02E-02	1.98E-02	7.47E-02
410.4	5.96E-02	1.85E-02	7.56E-02
411.5	5.99E-02	1.71E-02	7.72E-02
412.7	5.90E-02	1.59E-02	7.71E-02
413.8	5.87E-02	1.47E-02	7.68E-02
415	5.77E-02	1.54E-02	7.61E-02
416.1	5.72E-02	1.43E-02	7.60E-02
417.3	5.64E-02	1.37E-02	7.57E-02
418.4	5.60E-02	1.20E-02	7.56E-02
419.6	5.65E-02	1.24E-02	7.49E-02
420.7	5.63E-02	1.41E-02	7.51E-02
421.9	5.56E-02	1.44E-02	7.44E-02
423	5.44E-02	1.48E-02	7.48E-02
424.2	5.46E-02	1.42E-02	7.38E-02
425.3	5.53E-02	1.33E-02	7.32E-02
426.5	5.58E-02	1.27E-02	7.27E-02
427.6	5.58E-02	1.22E-02	7.17E-02
428.8	5.56E-02	1.35E-02	7.06E-02

8pH Spectroscopy Curves

429.9	5.61E-02	1.43E-02	6.82E-02
431.1	5.71E-02	1.47E-02	6.75E-02
432.2	5.73E-02	1.51E-02	6.66E-02
433.4	5.69E-02	1.34E-02	6.63E-02
434.5	5.60E-02	1.24E-02	6.48E-02
435.7	5.59E-02	1.21E-02	6.45E-02
436.8	5.59E-02	1.24E-02	6.42E-02
438	5.65E-02	1.39E-02	6.37E-02
439.1	5.69E-02	1.32E-02	6.20E-02
440.3	5.77E-02	1.35E-02	6.02E-02
441.4	5.74E-02	1.33E-02	5.92E-02
442.6	5.70E-02	1.39E-02	5.82E-02
443.7	5.60E-02	1.43E-02	5.73E-02
444.9	5.53E-02	1.38E-02	5.57E-02
446	5.61E-02	1.41E-02	5.47E-02
447.2	5.65E-02	1.41E-02	5.34E-02
448.3	5.64E-02	1.47E-02	5.18E-02
449.5	5.58E-02	1.38E-02	5.05E-02
450.6	5.64E-02	1.31E-02	4.96E-02
451.8	5.67E-02	1.29E-02	4.87E-02
452.9	5.72E-02	1.31E-02	4.69E-02
454.1	5.74E-02	1.34E-02	4.56E-02
455.2	5.77E-02	1.22E-02	4.47E-02
456.4	5.83E-02	1.06E-02	4.40E-02
457.5	5.96E-02	9.41E-03	4.26E-02
458.7	6.13E-02	7.64E-03	4.24E-02
459.8	6.27E-02	9.44E-03	4.24E-02
461	6.28E-02	1.05E-02	4.12E-02
462.1	6.46E-02	9.82E-03	4.03E-02
463.3	6.59E-02	9.57E-03	3.90E-02
464.4	6.78E-02	1.03E-02	3.88E-02
465.6	6.92E-02	1.30E-02	3.84E-02
466.7	7.02E-02	1.22E-02	3.74E-02
467.9	7.15E-02	9.01E-03	3.70E-02
469	7.23E-02	6.54E-03	3.55E-02
470.2	7.35E-02	5.47E-03	3.42E-02
471.3	7.40E-02	7.56E-03	3.25E-02
472.5	7.48E-02	9.45E-03	3.24E-02
473.6	7.54E-02	8.27E-03	3.26E-02
474.8	7.61E-02	6.53E-03	3.27E-02
475.9	7.66E-02	4.07E-03	3.09E-02
477.1	7.68E-02	4.81E-03	2.93E-02
478.2	7.71E-02	4.80E-03	2.70E-02
479.4	7.81E-02	5.18E-03	2.61E-02

8pH Spectroscopy Curves

480.5	7.84E-02	2.52E-03	2.41E-02
481.7	7.87E-02	1.42E-03	2.33E-02
482.8	7.80E-02	1.92E-03	2.13E-02
484	7.78E-02	4.14E-03	2.08E-02
485.1	7.83E-02	4.57E-03	1.99E-02
486.3	7.81E-02	3.66E-03	1.88E-02
487.4	7.83E-02	3.70E-03	1.71E-02
488.6	7.79E-02	4.49E-03	1.52E-02
489.7	7.72E-02	4.11E-03	1.29E-02
490.9	7.73E-02	3.14E-03	1.16E-02
492	7.63E-02	2.88E-03	1.06E-02
493.2	7.68E-02	4.02E-03	1.08E-02
494.3	7.60E-02	4.46E-03	9.49E-03
495.5	7.67E-02	3.99E-03	8.87E-03
496.6	7.68E-02	2.29E-03	8.39E-03
497.8	7.67E-02	2.60E-03	7.32E-03
498.9	7.59E-02	1.82E-03	5.69E-03
500.1	7.58E-02	2.58E-03	4.77E-03
501.2	7.63E-02	2.28E-03	5.46E-03
502.4	7.69E-02	2.67E-03	5.13E-03
503.5	7.63E-02	1.01E-03	4.50E-03
504.6	7.61E-02	-1.33E-03	4.24E-03
505.8	7.54E-02	-1.60E-03	4.27E-03
506.9	7.51E-02	-2.03E-03	4.19E-03
508.1	7.47E-02	-1.74E-03	3.35E-03
509.2	7.45E-02	-2.68E-03	3.70E-03
510.4	7.43E-02	-2.64E-03	3.24E-03
511.6	7.35E-02	-1.89E-03	3.28E-03
512.6	7.37E-02	-2.55E-03	2.81E-03
513.7	7.45E-02	-2.86E-03	2.89E-03
514.7	7.48E-02	-2.49E-03	2.93E-03
515.8	7.44E-02	-1.44E-03	2.89E-03
516.9	7.39E-02	-9.28E-04	2.89E-03
517.9	7.45E-02	-1.66E-03	2.62E-03
519	7.43E-02	-3.10E-03	2.28E-03
520.1	7.43E-02	-1.84E-03	2.04E-03
521.1	7.35E-02	-1.23E-03	5.41E-04
522.2	7.45E-02	3.67E-04	3.52E-04
523.3	7.44E-02	-1.89E-03	4.33E-04
524.3	7.46E-02	-2.16E-03	1.40E-03
525.4	7.43E-02	-2.32E-03	1.12E-03
526.5	7.41E-02	-2.06E-03	3.33E-04
527.5	7.42E-02	-2.65E-03	-8.24E-05
528.6	7.42E-02	-3.76E-03	-5.24E-04

8pH Spectroscopy Curves

529.7	7.47E-02	-4.04E-03	-3.46E-04
530.7	7.47E-02	-3.37E-03	-1.36E-03
531.8	7.49E-02	-3.24E-03	-1.41E-03
532.9	7.41E-02	-2.92E-03	-2.26E-03
533.9	7.47E-02	-3.54E-03	-2.23E-03
535	7.53E-02	-2.58E-03	-2.09E-03
536.1	7.66E-02	-1.77E-03	-1.79E-03
537.1	7.64E-02	-1.69E-03	-1.78E-03
538.2	7.61E-02	-1.55E-03	-2.64E-03
539.2	7.59E-02	-1.21E-03	-2.98E-03
540.3	7.63E-02	-1.48E-03	-3.18E-03
541.4	7.63E-02	-3.32E-03	-3.05E-03
542.4	7.65E-02	-4.36E-03	-3.56E-03
543.5	7.59E-02	-4.08E-03	-4.57E-03
544.6	7.63E-02	-3.79E-03	-5.87E-03
545.6	7.63E-02	-2.21E-03	-6.65E-03
546.7	7.68E-02	-2.09E-03	-6.37E-03
547.8	7.65E-02	-1.82E-03	-6.57E-03
548.8	7.69E-02	-1.31E-03	-6.90E-03
549.9	7.67E-02	-1.18E-03	-7.07E-03
551	7.68E-02	-1.41E-03	-7.04E-03
552	7.62E-02	-2.68E-03	-7.23E-03
553.1	7.61E-02	-2.56E-03	-7.20E-03
554.2	7.58E-02	-1.59E-03	-7.22E-03
555.2	7.60E-02	-1.83E-03	-7.62E-03
556.3	7.63E-02	-2.38E-03	-7.68E-03
557.4	7.66E-02	-3.13E-03	-7.69E-03
558.4	7.63E-02	-4.33E-03	-7.95E-03
559.5	7.62E-02	-4.18E-03	-7.94E-03
560.6	7.62E-02	-4.33E-03	-8.07E-03
561.6	7.69E-02	-3.20E-03	-8.02E-03
562.7	7.71E-02	-2.15E-03	-8.45E-03
563.7	7.71E-02	-1.80E-03	-9.01E-03
564.8	7.67E-02	-1.44E-03	-8.27E-03
565.9	7.59E-02	-3.01E-03	-8.93E-03
566.9	7.60E-02	-3.15E-03	-8.25E-03
568	7.61E-02	-3.52E-03	-8.58E-03
569.1	7.63E-02	-2.79E-03	-8.14E-03
570.1	7.64E-02	-2.45E-03	-8.68E-03
571.2	7.64E-02	-3.27E-03	-8.62E-03
572.3	7.75E-02	-3.56E-03	-8.35E-03
573.3	7.76E-02	-2.99E-03	-8.06E-03
574.4	7.71E-02	-2.39E-03	-8.60E-03
575.5	7.64E-02	-3.05E-03	-8.68E-03

8pH Spectroscopy Curves

576.5	7.64E-02	-3.89E-03	-8.80E-03
577.6	7.65E-02	-3.59E-03	-8.28E-03
578.7	7.69E-02	-2.87E-03	-8.49E-03
579.7	7.65E-02	-2.50E-03	-8.89E-03
580.8	7.64E-02	-3.42E-03	-9.24E-03
581.9	7.67E-02	-3.76E-03	-9.40E-03
582.9	7.72E-02	-4.06E-03	-9.61E-03
584	7.74E-02	-3.14E-03	-9.83E-03
585.1	7.66E-02	-2.72E-03	-1.02E-02
586.1	7.71E-02	-1.87E-03	-9.84E-03
587.2	7.74E-02	-1.65E-03	-9.37E-03
588.3	7.77E-02	-1.95E-03	-8.91E-03
589.3	7.69E-02	-2.34E-03	-8.57E-03
590.4	7.62E-02	-3.04E-03	-8.82E-03
591.5	7.58E-02	-2.95E-03	-8.67E-03
592.6	7.59E-02	-3.12E-03	-8.47E-03
593.6	7.61E-02	-2.53E-03	-8.37E-03
594.7	7.61E-02	-1.67E-03	-7.99E-03
595.8	7.55E-02	-1.43E-03	-8.21E-03
596.9	7.53E-02	-5.24E-04	-7.96E-03
598	7.57E-02	-1.60E-03	-8.60E-03
599	7.59E-02	-1.56E-03	-8.51E-03
600.1	7.63E-02	-2.20E-03	-8.28E-03
601.2	7.57E-02	-1.69E-03	-8.00E-03
602.3	7.66E-02	-2.08E-03	-7.56E-03
603.3	7.66E-02	-2.50E-03	-7.91E-03
604.4	7.69E-02	-1.94E-03	-8.17E-03
605.5	7.64E-02	-1.76E-03	-8.80E-03
606.6	7.67E-02	-1.68E-03	-8.69E-03
607.6	7.76E-02	-2.32E-03	-7.70E-03
608.7	7.76E-02	-2.01E-03	-7.30E-03
609.8	7.70E-02	-1.78E-03	-7.21E-03
610.9	7.63E-02	-2.11E-03	-7.06E-03
611.9	7.64E-02	-2.51E-03	-6.76E-03
613	7.67E-02	-3.05E-03	-6.37E-03
614.1	7.66E-02	-2.92E-03	-6.98E-03
615.2	7.63E-02	-2.50E-03	-7.40E-03
616.2	7.55E-02	-1.63E-03	-8.05E-03
617.3	7.60E-02	-9.83E-04	-7.73E-03
618.4	7.62E-02	-1.91E-03	-7.34E-03
619.5	7.69E-02	-2.59E-03	-6.72E-03
620.6	7.66E-02	-3.46E-03	-7.09E-03
621.6	7.64E-02	-2.40E-03	-7.61E-03
622.7	7.61E-02	-1.87E-03	-8.17E-03

8pH Spectroscopy Curves

623.8	7.63E-02	-1.22E-03	-7.99E-03
624.9	7.67E-02	-2.18E-03	-7.82E-03
625.9	7.65E-02	-2.34E-03	-7.50E-03
627	7.64E-02	-2.23E-03	-7.04E-03
628.1	7.53E-02	-2.53E-03	-7.01E-03
629.2	7.50E-02	-3.17E-03	-7.15E-03
630.2	7.53E-02	-3.89E-03	-7.68E-03
631.3	7.61E-02	-2.93E-03	-7.47E-03
632.4	7.60E-02	-2.31E-03	-7.54E-03
633.5	7.53E-02	-1.01E-03	-7.58E-03
634.5	7.48E-02	-8.66E-04	-7.47E-03
635.6	7.51E-02	-4.21E-04	-6.65E-03
636.7	7.58E-02	-7.30E-04	-6.48E-03
637.8	7.62E-02	-1.29E-03	-6.55E-03
638.8	7.65E-02	-1.84E-03	-6.48E-03
639.9	7.64E-02	-1.50E-03	-6.07E-03
641	7.72E-02	-1.44E-03	-5.17E-03
642.1	7.77E-02	-1.25E-03	-4.81E-03
643.1	7.84E-02	-1.77E-03	-4.39E-03
644.2	7.87E-02	-1.85E-03	-3.73E-03
645.3	7.91E-02	-2.79E-03	-3.01E-03
646.4	7.99E-02	-2.87E-03	-1.79E-03
647.5	8.05E-02	-1.74E-03	-1.40E-03
648.5	8.09E-02	-1.57E-03	-9.57E-04
649.6	8.13E-02	-2.07E-03	-8.29E-04
650.7	8.18E-02	-2.48E-03	-2.92E-04
651.8	8.29E-02	-2.01E-03	-1.82E-04
652.8	8.40E-02	-1.36E-03	6.90E-04
653.9	8.51E-02	-1.45E-03	1.91E-03
655	8.62E-02	-1.87E-03	3.07E-03
656.1	8.67E-02	-2.54E-03	3.66E-03
657.1	8.74E-02	-3.98E-03	4.21E-03
658.2	8.79E-02	-4.32E-03	5.52E-03
659.3	8.86E-02	-3.61E-03	6.27E-03
660.4	8.91E-02	-3.11E-03	6.45E-03
661.4	8.97E-02	-2.15E-03	6.67E-03
662.5	9.01E-02	-2.72E-03	7.37E-03
663.6	8.95E-02	-1.63E-03	7.80E-03
664.7	8.86E-02	-2.33E-03	7.53E-03
665.7	8.74E-02	-2.46E-03	7.35E-03
666.8	8.64E-02	-3.23E-03	6.64E-03
667.9	8.55E-02	-2.35E-03	5.74E-03
669	8.46E-02	-2.40E-03	4.19E-03
670.1	8.31E-02	-1.99E-03	2.78E-03

8pH Spectroscopy Curves

671.1	8.17E-02	-2.69E-03	2.03E-03
672.2	8.00E-02	-2.33E-03	1.35E-03
673.3	7.94E-02	-3.38E-03	8.70E-04
674.3	7.78E-02	-2.57E-03	-3.95E-06
675.4	7.65E-02	-3.94E-03	-1.62E-03
676.5	7.54E-02	-2.39E-03	-2.50E-03
677.6	7.44E-02	-3.17E-03	-3.65E-03
678.6	7.29E-02	-1.60E-03	-4.28E-03
679.7	7.16E-02	-2.40E-03	-5.27E-03
680.8	7.12E-02	-2.02E-03	-5.67E-03
681.9	7.09E-02	-2.26E-03	-6.17E-03
682.9	7.02E-02	-2.74E-03	-6.44E-03
684	6.86E-02	-3.43E-03	-7.18E-03
685.1	6.81E-02	-3.19E-03	-7.57E-03
686.2	6.77E-02	-3.00E-03	-8.54E-03
687.2	6.80E-02	-2.64E-03	-8.69E-03
688.3	6.74E-02	-3.33E-03	-8.76E-03
689.4	6.72E-02	-3.47E-03	-8.52E-03
690.4	6.69E-02	-2.56E-03	-8.24E-03
691.5	6.71E-02	-1.47E-03	-7.97E-03
692.6	6.65E-02	-7.85E-04	-8.03E-03
693.7	6.65E-02	-2.48E-03	-7.99E-03
694.7	6.66E-02	-2.90E-03	-7.96E-03
695.8	6.68E-02	-3.37E-03	-7.31E-03
696.9	6.68E-02	-2.88E-03	-7.03E-03
698	6.65E-02	-2.84E-03	-6.74E-03
699	6.62E-02	-2.32E-03	-7.22E-03
700.1	6.62E-02	-2.30E-03	-7.40E-03
701.2	6.52E-02	-1.88E-03	-7.94E-03
702.2	6.58E-02	-1.52E-03	-7.91E-03
703.3	6.52E-02	-1.14E-03	-8.08E-03
704.4	6.60E-02	-1.71E-03	-7.08E-03
705.5	6.55E-02	-2.83E-03	-6.50E-03
706.6	6.52E-02	-3.27E-03	-6.03E-03
707.7	6.53E-02	-3.63E-03	-6.38E-03
708.8	6.50E-02	-3.22E-03	-6.71E-03
709.9	6.51E-02	-3.27E-03	-7.50E-03
711	6.49E-02	-2.84E-03	-8.01E-03
712.1	6.48E-02	-2.63E-03	-8.10E-03
713.2	6.51E-02	-1.69E-03	-7.77E-03
714.3	6.46E-02	-2.39E-03	-8.23E-03
715.4	6.47E-02	-2.80E-03	-8.48E-03
716.5	6.47E-02	-3.09E-03	-8.88E-03
717.6	6.46E-02	-2.82E-03	-8.59E-03

8pH Spectroscopy Curves

718.8	6.45E-02	-2.94E-03	-8.34E-03
719.9	6.42E-02	-2.84E-03	-8.18E-03
721	6.45E-02	-2.49E-03	-7.90E-03
722.1	6.45E-02	-2.09E-03	-8.21E-03
723.2	6.46E-02	-2.96E-03	-8.23E-03
724.3	6.48E-02	-3.04E-03	-8.29E-03
725.4	6.46E-02	-2.99E-03	-8.00E-03
726.5	6.43E-02	-3.26E-03	-7.99E-03
727.6	6.36E-02	-3.42E-03	-8.13E-03
728.7	6.39E-02	-2.96E-03	-8.09E-03
729.8	6.46E-02	-1.98E-03	-7.53E-03
731	6.52E-02	-2.37E-03	-7.35E-03
732.1	6.56E-02	-2.27E-03	-6.83E-03
733.2	6.54E-02	-2.83E-03	-7.27E-03
734.3	6.55E-02	-2.71E-03	-6.76E-03
735.4	6.43E-02	-2.98E-03	-7.28E-03
736.5	6.42E-02	-2.99E-03	-7.75E-03
737.6	6.38E-02	-2.69E-03	-7.95E-03
738.7	6.43E-02	-3.33E-03	-8.56E-03
739.8	6.44E-02	-3.35E-03	-8.16E-03
740.9	6.42E-02	-2.97E-03	-9.11E-03
742.1	6.40E-02	-2.55E-03	-9.00E-03
743.2	6.41E-02	-2.47E-03	-9.27E-03
744.3	6.45E-02	-3.16E-03	-8.76E-03
745.4	6.45E-02	-3.83E-03	-8.59E-03
746.5	6.46E-02	-4.06E-03	-8.80E-03
747.6	6.51E-02	-3.93E-03	-8.67E-03
748.7	6.53E-02	-3.24E-03	-9.18E-03
749.8	6.57E-02	-3.46E-03	-9.07E-03
750.9	6.54E-02	-4.14E-03	-9.55E-03
752	6.51E-02	-4.11E-03	-9.83E-03
753.1	6.44E-02	-3.33E-03	-1.03E-02
754.3	6.47E-02	-2.46E-03	-1.08E-02
755.4	6.48E-02	-1.81E-03	-1.06E-02
756.5	6.45E-02	-1.34E-03	-1.10E-02
757.6	6.44E-02	-1.25E-03	-1.12E-02
758.7	6.44E-02	-1.70E-03	-1.11E-02
759.8	6.46E-02	-1.41E-03	-1.09E-02
760.9	6.38E-02	-1.60E-03	-1.10E-02
762	6.41E-02	-2.16E-03	-1.13E-02
763.1	6.44E-02	-4.46E-03	-1.07E-02
764.2	6.52E-02	-4.27E-03	-1.06E-02
765.3	6.47E-02	-3.17E-03	-1.09E-02
766.5	6.48E-02	-1.45E-03	-1.13E-02

8pH Spectroscopy Curves

767.6	6.40E-02	-9.78E-04	-1.17E-02
768.7	6.39E-02	-2.12E-03	-1.12E-02
769.8	6.34E-02	-1.88E-03	-1.09E-02
770.9	6.36E-02	-2.12E-03	-1.04E-02
772	6.40E-02	-1.80E-03	-1.09E-02
773.1	6.44E-02	-1.66E-03	-1.10E-02
774.2	6.42E-02	-1.95E-03	-1.17E-02
775.3	6.35E-02	-2.19E-03	-1.16E-02
776.4	6.33E-02	-2.80E-03	-1.22E-02
777.6	6.38E-02	-2.54E-03	-1.19E-02
778.7	6.41E-02	-1.66E-03	-1.24E-02
779.8	6.42E-02	-1.32E-03	-1.17E-02
780.9	6.37E-02	-9.80E-04	-1.12E-02
782	6.36E-02	-1.60E-03	-1.10E-02
783.1	6.34E-02	-2.90E-03	-1.17E-02
784.2	6.37E-02	-3.06E-03	-1.19E-02
785.3	6.34E-02	-3.59E-03	-1.16E-02
786.4	6.30E-02	-2.18E-03	-1.15E-02
787.5	6.26E-02	-2.65E-03	-1.16E-02
788.6	6.34E-02	-2.52E-03	-1.16E-02
789.8	6.36E-02	-2.66E-03	-1.23E-02
790.9	6.39E-02	-2.68E-03	-1.26E-02
792	6.27E-02	-2.44E-03	-1.40E-02
793.1	6.26E-02	-2.05E-03	-1.40E-02
794.2	6.22E-02	-1.63E-03	-1.48E-02
795.3	6.27E-02	-1.20E-03	-1.52E-02
796.4	6.28E-02	-1.02E-03	-1.58E-02
797.5	6.30E-02	-1.61E-03	-1.57E-02
798.6	6.30E-02	-1.80E-03	-1.50E-02
799.7	6.24E-02	-2.09E-03	-1.48E-02
800.8	6.25E-02	-1.59E-03	-1.46E-02
802	6.21E-02	-1.45E-03	-1.49E-02
803.1	6.22E-02	-1.38E-03	-1.46E-02
804.2	6.22E-02	-1.32E-03	-1.40E-02
805.3	6.19E-02	-1.90E-03	-1.32E-02
806.4	6.25E-02	-2.46E-03	-1.25E-02
807.5	6.29E-02	-2.68E-03	-1.31E-02
808.6	6.35E-02	-3.18E-03	-1.36E-02
809.7	6.37E-02	-3.55E-03	-1.37E-02
810.8	6.30E-02	-3.87E-03	-1.38E-02
811.9	6.26E-02	-2.48E-03	-1.41E-02
813.1	6.21E-02	-1.59E-03	-1.44E-02
814.2	6.21E-02	-1.38E-03	-1.41E-02
815.3	6.24E-02	-2.14E-03	-1.34E-02

8pH Spectroscopy Curves

816.4	6.24E-02	-2.10E-03	-1.32E-02
817.5	6.34E-02	-1.99E-03	-1.27E-02
818.6	6.34E-02	-9.56E-04	-1.24E-02
819.7	6.34E-02	-1.48E-03	-1.21E-02
820.8	6.35E-02	-1.03E-03	-1.23E-02
821.9	6.35E-02	-1.00E-03	-1.26E-02
823	6.42E-02	-1.75E-03	-1.22E-02
824.1	6.41E-02	-2.40E-03	-1.22E-02
825.3	6.48E-02	-3.82E-03	-1.23E-02
826.4	6.46E-02	-3.08E-03	-1.24E-02
827.5	6.50E-02	-3.62E-03	-1.20E-02
828.6	6.47E-02	-2.87E-03	-1.21E-02
829.7	6.50E-02	-2.35E-03	-1.23E-02
830.8	6.47E-02	-9.82E-04	-1.29E-02
831.9	6.48E-02	-5.24E-04	-1.24E-02
833	6.48E-02	-6.72E-04	-1.27E-02
834	6.44E-02	-9.61E-04	-1.31E-02
835.1	6.47E-02	-1.41E-03	-1.33E-02
836.1	6.47E-02	-1.80E-03	-1.34E-02
837.2	6.47E-02	-3.00E-03	-1.35E-02
838.2	6.52E-02	-3.57E-03	-1.37E-02
839.3	6.51E-02	-3.53E-03	-1.34E-02
840.3	6.53E-02	-2.28E-03	-1.34E-02
841.4	6.49E-02	-1.93E-03	-1.36E-02
842.4	6.55E-02	-1.47E-03	-1.38E-02
843.5	6.61E-02	-1.82E-03	-1.33E-02
844.5	6.59E-02	-2.51E-03	-1.28E-02
845.6	6.58E-02	-3.92E-03	-1.28E-02
846.6	6.57E-02	-4.90E-03	-1.27E-02
847.7	6.63E-02	-4.38E-03	-1.34E-02
848.7	6.63E-02	-3.58E-03	-1.30E-02
849.8	6.61E-02	-2.64E-03	-1.26E-02
850.8	6.62E-02	-1.51E-03	-1.16E-02
851.9	6.62E-02	-2.08E-03	-1.13E-02
852.9	6.73E-02	-3.14E-03	-1.06E-02
854	6.76E-02	-3.49E-03	-1.04E-02
855	6.83E-02	-2.50E-03	-9.30E-03
856.1	6.76E-02	-2.18E-03	-9.63E-03
857.1	6.75E-02	-3.12E-03	-8.91E-03
858.2	6.77E-02	-3.69E-03	-9.36E-03
859.2	6.79E-02	-2.05E-03	-9.08E-03
860.3	6.80E-02	-1.84E-03	-9.48E-03
861.4	6.73E-02	-1.87E-03	-9.98E-03
862.4	6.68E-02	-2.87E-03	-1.02E-02

8pH Spectroscopy Curves

863.5	6.68E-02	-2.67E-03	-1.00E-02
864.5	6.76E-02	-1.16E-03	-9.86E-03
865.6	6.79E-02	-8.41E-04	-9.55E-03
866.6	6.68E-02	-1.14E-03	-9.66E-03
867.7	6.63E-02	-2.14E-03	-9.65E-03
868.7	6.61E-02	-3.30E-03	-9.54E-03
869.8	6.71E-02	-2.93E-03	-9.48E-03
870.8	6.69E-02	-2.88E-03	-9.51E-03
871.9	6.73E-02	-3.38E-03	-9.76E-03
872.9	6.75E-02	-3.92E-03	-1.02E-02
874	6.77E-02	-3.75E-03	-9.75E-03
875	6.84E-02	-2.90E-03	-8.85E-03
876.1	6.82E-02	-3.20E-03	-8.26E-03
877.1	6.86E-02	-2.73E-03	-7.80E-03
878.2	6.75E-02	-2.94E-03	-8.79E-03
879.2	6.67E-02	-2.72E-03	-9.23E-03
880.3	6.63E-02	-1.80E-03	-1.01E-02
881.3	6.55E-02	-9.55E-04	-1.03E-02
882.4	6.54E-02	3.87E-04	-1.09E-02
883.4	6.51E-02	4.24E-05	-1.11E-02
884.5	6.50E-02	5.05E-04	-1.11E-02
885.5	6.52E-02	3.56E-04	-9.63E-03
886.6	6.40E-02	-1.64E-03	-8.56E-03
887.6	6.39E-02	-1.73E-03	-7.89E-03
888.7	6.24E-02	-1.22E-03	-8.12E-03
889.7	6.26E-02	2.91E-04	-7.92E-03
890.8	6.20E-02	3.46E-04	-7.78E-03
891.9	6.18E-02	-2.08E-03	-7.41E-03
892.9	6.15E-02	-3.06E-03	-7.67E-03
894	6.02E-02	-2.78E-03	-7.28E-03
895	5.90E-02	-1.26E-03	-7.28E-03
896.1	5.65E-02	-8.82E-04	-8.47E-03
897.1	5.53E-02	-3.47E-04	-9.32E-03
898.2	5.40E-02	4.78E-04	-9.29E-03
899.2	5.08E-02	2.35E-03	-9.05E-03
900.3	4.80E-02	2.28E-03	-9.42E-03
901.3	4.55E-02	2.67E-03	-1.03E-02
902.4	4.46E-02	6.49E-04	-9.79E-03
903.4	4.27E-02	1.08E-03	-9.06E-03
904.5	4.01E-02	5.11E-04	-8.47E-03
905.5	3.73E-02	1.05E-03	-7.53E-03
906.6	3.39E-02	1.82E-03	-8.07E-03
907.6	3.06E-02	1.19E-03	-8.24E-03
908.7	2.79E-02	2.67E-03	-9.11E-03

8pH Spectroscopy Curves

909.7	2.61E-02	1.86E-03	-9.58E-03
910.8	2.52E-02	1.43E-03	-8.77E-03
911.8	2.38E-02	-1.22E-04	-7.72E-03
912.9	2.23E-02	3.87E-04	-6.61E-03
913.9	1.98E-02	0.00E+00	-6.04E-03
915	1.77E-02	3.70E-04	-7.17E-03
916	1.61E-02	6.10E-04	-6.56E-03
917.1	1.43E-02	2.26E-03	-7.12E-03
918.1	1.20E-02	1.90E-03	-6.18E-03
919.2	1.04E-02	1.63E-03	-6.01E-03
920.3	9.52E-03	2.52E-03	-5.34E-03
921.3	8.39E-03	2.25E-03	-4.92E-03
922.4	7.23E-03	2.99E-03	-5.22E-03
923.4	5.99E-03	2.61E-03	-4.68E-03
924.5	5.44E-03	4.52E-03	-4.15E-03
925.5	4.69E-03	3.48E-03	-2.62E-03
926.6	2.87E-03	3.43E-03	-2.62E-03
927.6	1.85E-03	2.86E-03	-1.74E-03
928.7	4.61E-04	3.18E-03	-1.66E-03
929.7	2.51E-04	2.33E-03	-1.76E-04
930.8	-6.79E-04	2.15E-03	3.24E-04
931.8	-2.80E-04	1.32E-03	2.12E-03
932.9	-4.36E-04	1.91E-03	1.95E-03
933.9	4.96E-04	1.30E-03	2.30E-03
935	-6.01E-04	1.93E-03	2.51E-03
936	-5.92E-04	1.04E-03	3.81E-03
937.1	-1.18E-03	1.19E-03	5.76E-03
938.1	-4.58E-04	8.42E-04	6.71E-03
939.2	3.21E-04	1.42E-03	7.86E-03
940.3	1.12E-03	2.62E-03	8.84E-03
941.3	1.37E-03	3.11E-03	9.30E-03
942.4	1.86E-03	3.57E-03	1.09E-02
943.4	1.69E-03	2.65E-03	1.17E-02
944.5	2.86E-03	2.78E-03	1.30E-02
945.5	3.15E-03	2.18E-03	1.40E-02
946.6	3.96E-03	2.23E-03	1.49E-02
947.6	4.52E-03	2.84E-03	1.56E-02
948.7	4.91E-03	5.21E-03	1.65E-02
949.7	5.55E-03	6.36E-03	1.68E-02