

# 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

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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

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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

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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

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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

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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

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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

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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