Water Quality Meter Field Calibration Log		Fall 2013 HTA OB/OD	Zia Engineering and Environmental Consultants		
Date	Instrument	Parameter/known	Initial Reading	Calibrated Reading	Initials
10-18-13	Orion Turbidity AQ4500	1,10,100,1000 ntu	—	—	BTD
	Orion Turbidity AQ4500	1,10,100,1000 ntu	—	—	BTD
	YSI 556	pH 7.00			
	YSI 556	pH 10.00			
	YSI 556	Sp. Cond. ~~1413~~ 1,020 ms@25 C	1.188 ms/cm	1.098	BTD
	YSI 556	ORP ~~185~~ mv@25 C 244	257.8	244 mv	BTD
~~10-18-13~~	YSI 556	Diss O2 641.5	12.42 mg/L	8.81 mg/L	BTD
	YSI 556	pH 7.00 7.07	7.16	7.10	BTD
10-18-13	YSI 556	pH 10.00 10.15	9.15	10.21	BTD
10-22-13	YSI 556	Diss O2 – 644.7 mm Hg	11.45 mg/L	8.78 mg/L	BTD
	YSI 556 OAKTON	pH 7.00 7.02	7.1	7.0	BTD
	YSI 556 OAKTON	pH 10.00 10.05	10.3	10.0	BTD
10-23-13	YSI 556 & Pro Plus –	Diss O2 Calibration Cert.			BTD
	YSI 556 "	pH 7.00 "			
	YSI 556 "	pH 10.00 "			
10-24-13	YSI 556 Pro Plus	Diss O2 624.8 mm Hg	96.9%	97.0% 8.92 mg/L	BTD
	YSI 556	pH 7.00 7.07	7.06	7.07	BTD
	YSI 556	pH 10.00 10.19	10.13	10.18	BTD
	~~YSI 556~~	Diss O2			

Water Quality Meter Field Calibration Log		Fall 2013 HTA	Zia Engineering and Environmental Consultants		
Date	Instrument	Parameter/known	Initial Reading	Calibrated Reading	Initials
	Orion Turbidity AQ4500	1,10,100,1000 ntu			
	Orion Turbidity AQ4500	1,10,100,1000 ntu			
	YSI 556	pH 7.00			
	YSI 556	pH 10.00			
	YSI 556	Sp. Cond. 1413 ms@25 C			
	YSI 556	ORP 185 mv@25 C			
10-25-13	YSI 556 Pro plus	Diss O2			
	YSI 556 "	pH 7.00 7.05	7.01	7.06	BTD
	YSI 556 "	pH 10.00 10.13	10.09	10.12	BTD
	YSI 556	Diss O2 644.0	82.2%	82.2% 8.56 mg/L	BTD
	YSI 556	pH 7.00			
	YSI 556	pH 10.00			
	YSI 556	Diss O2			
	YSI 556	pH 7.00			
	YSI 556	pH 10.00			
	YSI 556	Diss O2			
	YSI 556	pH 7.00			
	YSI 556	pH 10.00			
	YSI 556	Diss O2			

Water Quality Meter Field Calibration Log		Fall 2013 STP	Zia Engineering and Environmental Consultants		
Date	Instrument	Parameter/known	Initial Reading	Calibrated Reading	Initials
10-30-13	Orion Turbidity AQ4500	1,10,100,1000 ntu	—	—	BTD
	Orion Turbidity AQ4500	1,10,100,1000 ntu	—	—	BTD
	YSI 556	pH 7.00 7.04	7.02	7.02	BTD
	YSI 556	pH 10.00 10.11	9.92	10.11	BTD
	YSI 556	Sp. Cond. 1413 ms@25 C 1199	~~1447~~ µS/cm 1192 µS/cm	1193 µS/cm	BTD
	YSI 556	ORP ~~185~~ mv@25 C 243.6	238.3 mV	243.3	BTD
	YSI 556	Diss O2 657.6 mm Hg	84.7%	84.7% 8.53 mg/L	BTD
10-31-13	YSI 556	pH 7.00 7.07	7.15	7.07	BTD
	YSI 556	pH 10.00 10.20	9.95	10.20	BTD
	YSI 556	Diss O2 10.15 mg/L	10.11 mg/L	9.99 mg/L	BTD
11-1-13	YSI 556	pH 7.00 7.07	7.12	7.07	BTD
	YSI 556	pH 10.00 10.20	9.93	10.20	BTD
	YSI 556	Diss O2	9.83 mg/L	9.82 mg/L	BTD
11-5-13	YSI 556	pH 7.00 7.04	7.19	7.05	BTD
	YSI 556	pH 10.00 10.12	9.93	10.12	BTD
	YSI 556	Diss O2 658.5 mm Hg	86.7%	8.57 mg/L	BTD
11-7-13	YSI 556	pH 7.00 7.10	7.26	7.10	BTD
	YSI 556	pH 10.00 10.26	10.00	10.25	BTD
	YSI 556	Diss O2 667.8 mm Hg	86.4%	11.03 mg/L	BTD

Water Quality Meter Field Calibration Log		STP Fall 2013	Zia Engineering and Environmental Consultants		
Date	Instrument	Parameter/known	Initial Reading	Calibrated Reading	Initials
11-12-13	Orion Turbidity AQ4500	1,10,100,1000 ntu	—	—	BTD
	Orion Turbidity AQ4500	1,10,100,1000 ntu	—	—	BTD
	YSI 556	pH 7.00 7.04	7.03	7.04	BTD
	YSI 556	pH 10.00 10.11	9.69	10.11	BTD
	YSI 556	Sp. Cond. ~~1413~~ ms@25 C 1199	1190 µs/cm	1198 µs/cm	BTD
	YSI 556	ORP ~~185~~ mv@25 C 243.6	237.2	243.5	BTD
11-12-13	YSI 556	Diss O2 662 mm Hg	88.2%	9.23 mg/L	BTD
11-13-13	YSI 556	pH 7.00 7.04	7.00	7.04	BTD
	YSI 556	pH 10.00 10.11	9.82	10.10	BTD
	YSI 556	Diss O2 657.5 mm Hg	88%	8.97 mg/L	BTD
11-14-13	YSI 556	pH 7.00 7.04	7.01	7.05	BTD
	YSI 556	pH 10.00 10.11	10.01	10.11	BTD
	YSI 556	Diss O2 658.3 mm Hg	85.2%	8.77 mg/L	BTD
11-15-13	YSI 556	pH 7.00 7.04	6.99	7.04	BTD
	YSI 556	pH 10.00 10.11	9.97	10.11	BTD
	YSI 556	Diss O2 663.2 mm Hg	88.2%	9.32 mg/L	BTD
	YSI 556	pH 7.00			
	YSI 556	pH 10.00			
	YSI 556	Diss O2			