

Appendix G

Laboratory QA/QC Results

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[illegible]

TABLE 2: SUMMARY OF QUALITY CONTROL DATA - DUPLICATE RESULTS

Parameter	Control Limit	Sample ID	Measured Value	Sample ID	Measured Value	Sample ID	Measured Value	Sample ID	Measured Value	Sample ID	Measured Value	Sample ID	Measured Value	Sample ID	Measured Value
Suspended Solids mg/L	exceed 20%	WC0011066	8.4	WC0011440	7.8	WC0011829	9.3	WC0012315	6.4	WC0011013	14.5	WC0011349	12.0	WC0011571	10.4
			8.3		8.4		9.3		6.4		15.0		12.8		12.7
			9.2		9.7		8.3		8.0		14.2		16.8		
		WC0011086	9.9	WC0011487	10.1	WC0012018	9.6	WC0012322	7.4	WC0011055	14.5	WC0011381	16.4		
			7.6		6.0		7.0		8.0		11.4		15.8		
		WC0011106	8.1	WC0011531	5.7	WC0012151	8.2	WC0012341	9.3	WC0011129	12.6	WC0011421	16.7		
			9.2		9.0		8.9		9.2		13.2		16.0		
		WC0011126	9.5	WC0011544	9.0	WC0012184	9.2	WT0011017	10.2	WC0011167	13.4	WC0011467	15.9		
			7.2		6.5		9.1		6.9		10.9		13.3		
		WC0011187	6.6	WC0011645	5.5	WC0012224	9.9	WT0011030	7.1	WC0011207	9.7	WC0011507	14.4		
			7.5		7.5		9.9		9.0		12.7		10.6		
		WC0011401	7.0	WC0011809	7.1	WC0012302	8.3	WT0011142	9.7	WC0011226	10.7	WC0011520	9.9		
			17.1		10.4		10.8		12.4		12.6		12.1		
		WC0011591	18.9	WC0011611	10.3	WC0011630	12.0	WC0011673	12.4	WC0011693	11.2	WC0011713	13.3		
		Unionized Ammonia (as Ammonia) mg/L	exceed 20%	WC0011066	0.01	WC0011713	0.01	WC0012092	<0.01	WC0011401	0.02	WC0011927	0.05	WC0012282	0.02
0.01	0.01				<0.01		0.02		0.05		0.02		<0.01		
<0.01	<0.01				<0.01		0.03		0.02		0.04				
WC0011086	<0.01			WC0011789	<0.01	WC0012151	<0.01	WC0011440	0.02	WC0012018	0.02	WC0012302	9.9		
	0.01				<0.01		0.01		0.01		0.01		0.05		
WC0011167	0.01			WC0011809	<0.01	WC0012243	0.01	WC0011507	0.01	WC0012038	0.01	WC0012322	0.05		
	<0.01				<0.01		<0.01		0.01		0.02		<0.01		
WC0011187	0.01			WC0011829	<0.01	WC0012341	<0.01	WC0011591	0.01	WC0012112	0.01	WC0011207	<0.01		
	<0.01				<0.01		0.01		0.02		0.05		0.01		
WC0011421	<0.01			WC0011848	<0.01	WC0011106	0.01	WC0011611	0.02	WC0012132	0.05	WC0011487	0.01		
	<0.01				<0.01		0.01		0.01		0.03		0.01		
WC0011467	<0.01			WC0011946	<0.01	WC0011126	0.01	WC0011713	0.01	WC0012204	0.03	WC0011526	<0.01		
	<0.01				<0.01		0.01		0.03		0.08		<0.01		
WC0011630	<0.01			WC00112057	<0.01	WC0011227	0.01	WC0011732	0.03	WC0012224	0.07	WC0011887	<0.01		
Total Inorganic Nitrogen (as Nitrite + Nitrate) mg/L	exceed 20%			WC0011023	0.07	WC0011187	0.04	WC0011467	0.07	WC0011630	0.07	WC0011829	0.09	WC0012057	0.09
		0.08	0.05		0.07		0.07		0.10		0.08		0.12		
		0.06	0.06		0.06		0.09		0.08		0.09				
		WC0011041	0.06	WC0011207	0.06	WC0011487	0.06	WC0011673	0.09	WC0011848	0.08	WC0012092	0.10		
			0.04		0.06		0.08		0.09		0.09		0.10		
		WC0011066	0.04	WC0011227	0.06	WC0011507	0.08	WC0011693	0.09	WC0011887	0.09	WC0012341	0.10		
			0.07		0.05		0.06		0.09		0.09		0.17		
		WC0011086	0.07	WC0011381	0.05	WC0011526	0.06	WC0011713	0.09	WC0011907	0.08	WC0011345	0.18		
			0.07		0.05		0.09		0.10		0.09		0.23		
		WC0011106	0.07	WC0011401	0.04	WC0011571	0.09	WC0011732	0.10	WC0011927	0.10	WC0011768	0.23		
			0.05		0.10		0.08		0.08		0.11				
		WC0011126	0.05	WC0011421	0.09	WC0011591	0.08	WC0011789	0.08	WC0011946	0.08	WC0012132	0.12		
			0.08		0.05		0.08		0.06		0.09		0.11		
		WC0011167	0.08	WC0011440	0.06	WC0011611	0.08	WC0011809	0.06	WC0012018	0.09	WC0012184	0.12		
		Total: 43													

TABLE 3: SUMMARY OF QUALITY CONTROL DATA - BLANK RESULTS

Parameter	Control Limit	Blank ID	Measured Value	Blank ID	Measured Value	Blank ID	Measured Value	Blank ID	Measured Value	Blank ID	Measured Value	Blank ID	Measured Value	Blank ID	Measured Value	Blank ID	Measured Value	Blank ID	Measured Value
Suspended Solids mg/L	< 1	BK0011002	< 1	BK0011006	< 1	BK0011007	< 1	BK0011107	< 1	BK0011207	< 1	BK0011307	< 1	BK0011407	< 1	BK0011507	< 1	BK0011008	< 1
		BK0011009	< 1	BK0011109	< 1	BK0011119	< 1	BK0011209	< 1	BK0011309	< 1	BK0011010	< 1	BK0011011	< 1	BK0011013	< 1	BK0011113	< 1
		BK0011313	< 1	BK0011014	< 1	BK0011114	< 1	BK0011214	< 1	BK0011314	< 1	BK0011015	< 1	BK0011115	< 1	BK0001116	< 1	BK0011016	< 1
		BK0011316	< 1	BK0011416	< 1	BK0011020	< 1	BK0011120	< 1	BK0011220	< 1	BK0011320	< 1	BK0011420	< 1	BK0011021	< 1		
		BK0011222	< 1	BK0011322	< 1	BK0011326	< 1	BK0011024	< 1	BK0011124	< 1	BK0011224	< 1	BK0011324	< 1	BK0011027	< 1		
Unionized Ammonia (as Ammonia) mg/L	< 0.01	BK0011007	< 0.01	BK0011107	< 0.01	BK0011207	< 0.01	BK0011307	< 0.01	BK0011009	< 0.01	BK0011109	< 0.01	BK0011209	< 0.01	BK0011309	< 0.01	BK0011013	< 0.01
		BK0011213	< 0.01	BK0011313	< 0.01	BK0011014	< 0.01	BK0011114	< 0.01	BK0011214	< 0.01	BK0011314	< 0.01	BK0011016	< 0.01	BK0011116	< 0.01	BK0011216	< 0.01
		BK0011020	< 0.01	BK0011120	< 0.01	BK0011220	< 0.01	BK0011320	< 0.01	BK0011022	< 0.01	BK0011122	< 0.01	BK0011222	< 0.01	BK0011322	< 0.01	BK0011024	< 0.01
		BK0011224	< 0.01	BK0011324	< 0.01	BK0011027	< 0.01	BK0011127	< 0.01	BK0011227	< 0.01	BK0011327	< 0.01	BK0011028	< 0.01	BK0011128	< 0.01		
		BK0011030	< 0.01	BK0011130	< 0.01	BK0011230	< 0.01	BK0012005	< 0.01	BK0012105	< 0.01	BK0012205	< 0.01	BK0012305	< 0.01	BK0011328	< 0.01		
Total Inorganic Nitrogen (as Nitrite and Nitrate) mg/L	< 0.01	BK0011030	< 0.01	BK0011003	< 0.01	BK0011007	< 0.01	BK0011107	< 0.01	BK0011207	< 0.01	BK0011307	< 0.01	BK0011407	< 0.01	BK0011009	< 0.01	BK0011109	< 0.01
		BK0011309	< 0.01	BK0011010	< 0.01	BK0011013	< 0.01	BK0011113	< 0.01	BK0011213	< 0.01	BK0011313	< 0.01	BK0011014	< 0.01	BK0011114	< 0.01	BK0011214	< 0.01
		BK0011016	< 0.01	BK0011116	< 0.01	BK0011116	< 0.01	BK0011216	< 0.01	BK0011017	< 0.01	BK0011117	< 0.01	BK0011020	< 0.01	BK0011120	< 0.01	BK0011021	< 0.01
		BK0011022	< 0.01	BK0011122	< 0.01	BK0011023	< 0.01	BK0011023	< 0.01	BK0011123	< 0.01	BK0011223	< 0.01	BK0011024	< 0.01	BK0011124	< 0.01		
		BK0011028	< 0.01	BK0011128	< 0.01	BK0011228	< 0.01	BK0011030	< 0.01	BK0011130	< 0.01	BK0011230	< 0.01	BK0012001	< 0.01	BK0012101	< 0.01		
Total: 43																			
Total: 43																			
Total: 43																			

Parameter	Control Limit	QC ID	Measured Value	QC ID	Measured Value	QC ID	Measured Value	QC ID	Measured Value	QC ID	Measured Value	QC ID	Measured Value	QC ID	Measured Value	
Suspended Solids mg/L	8.9 - 10.3	QC0011002	9.6	QC0011006	9.7	QC0011007	10	QC0011107	9.9	QC0011207	9.4	QC0011307	9.4	QC0011407	9.7	
		QC0011209	9.5	QC0011309	9.9	QC0011010	9.8	QC0011011	9.9	QC0011013	9.4	QC0011113	9.8			
		QC0011314	9.3	QC0011015	9.9	QC0011116	9.8	QC0011216	10.0	QC0011316	9.9	QC0011419	9.3			
		QC0011420	9.5	QC0011016	9.5	QC0011021	9.4	QC0011022	9.3	QC0011122	9.4	QC0011222	9.2			
		QC0011324	9.8	QC0011027	9.5	QC0011127	9.7	QC0011227	9.6	QC0011427	9.3	QC0011327	10.1			
		QC0011030	9.8	QC0011130	9.7	QC0011230	9.7	QC0011330	9.2	QC0011430	9.7	QC0012004	9.6			
		QC0012105	9.6	QC0012007	9.2	QC0011114	9.6	QC0011416	9.2	QC9901124	10	QC9912006	9.6			
		QC0011007	0.10	QC0011107	0.10	QC0011207	0.10	QC0011307	0.10	QC0011009	0.10	QC0011109	0.10	QC0011209	0.10	
Unionized Ammonia (as Ammonia) mg/L	0.09 - 0.12	QC0011213	0.11	QC0011313	0.11	QC0011014	0.11	QC0011114	0.10	QC0011214	0.10	QC0011314	0.11			
		QC0011020	0.10	QC0011120	0.09	QC0011220	0.10	QC0011320	0.10	QC0011022	0.10	QC0011122	0.10			
		QC0011224	0.10	QC0011324	0.09	QC0011027	0.10	QC0011127	0.10	QC0011227	0.10	QC0011327	0.10			
		QC0011130	0.10	QC0011230	0.10	QC0011330	0.10	QC0012005	0.10	QC0012105	0.10	QC0012205	0.11			
		QC0011016	0.11	QC0011028	0.10	QC0011309	0.10	QC0011322	0.09	QC0011014	0.11	QC0011216	0.11			
		QC0011222	0.09	QC0011305	0.11	QC0011116	0.11	QC0011128	0.10	QC0011013	0.11	QC0011024	0.09			
		QC0011030	0.41	QC0011003	0.40	QC0011007	0.41	QC0011107	0.41	QC0011207	0.40	QC0011307	0.37	QC0011407	0.36	
		QC0011309	0.38	QC0011010	0.40	QC0011013	0.40	QC0011113	0.38	QC0011213	0.40	QC0011313	0.42			
Total Inorganic Nitrogen (as Nitrite and Nitrate) mg/L	0.36 - 0.44	QC0011016	0.40	QC0011116	0.40	QC0011216	0.39	QC0011017	0.42	QC0011117	0.41	QC0011020	0.41			
		QC0011122	0.41	QC0011023	0.41	QC0011123	0.40	QC0011223	0.41	QC0011024	0.41	QC0011124	0.40			
		QC0011228	0.40	QC0011328	0.39	QC0011030	0.41	QC0011130	0.42	QC0011230	0.41	QC0012001	0.40			
		QC0012105	0.41	QC0012006	0.40	QC0012106	0.39	QC0012206	0.41	QC0012007	0.41	QC0012107	0.40			
		Total: 43														
		Total: 43														

TABLE 5: SUMMARY OF QUALITY CONTROL DATA - MATRIX SPIKE RESULTS

Parameter	Spiked ID	Recovery (%)	Spiked ID	Recovery (%)	Spiked ID	Recovery (%)	Spiked ID	Recovery (%)	Spiked ID	Recovery (%)	Spiked ID	Recovery (%)	Spiked ID	Recovery (%)
Unionized Ammonia (as Ammonia) mg/L	RT-0011-007	101.0	RT-0011-309	103.0	RT-0011-214	105.0	RT-0011-120	103.0	RT-0011-024	90.0	RT-0011-327	105.5	RT-0011-230	106.0
	RT-0011-107	107.0	RT-0011-013	98.5	RT-0011-314	109.0	RT-0011-220	101.5	RT-0011-124	104.5	RT-0011-028	101.0		
	RT-0011-207	105.0	RT-0011-113	101.0	RT-0011-016	95.0	RT-0011-320	111.0	RT-0011-224	102.5	RT-0011-128	109.5		
	RT-0011-307	105.0	RT-0011-213	118.0	RT-0011-116	102.5	RT-0011-022	82.0	RT-0011-324	104.5	RT-0011-228	115.0		
	RT-0011-009	104.0	RT-0011-313	108.5	RT-0011-216	108.5	RT-0011-122	82.5	RT-0011-027	95.5	RT-0011-328	113.5		
	RT-0011-109	107.5	RT-0011-014	88.5	RT-0011-316	99.0	RT-0011-222	101.0	RT-0011-127	102.0	RT-0011-030	104.5		
	RT-0011-209	104.5	RT-0011-114	101.5	RT-0011-020	81.0	RT-0011-322	90.0	RT-0011-227	97.0	RT-0011-130	109.0		
Total Inorganic Nitrogen (as Nitrite + Nitrate) mg/L	RT-0011-003	91.2	RT-0011-109	102.4	RT-0011-313	106.8	RT-0011-216	83.7	RT-0011-022	101.4	RT-0011-124	93.0	RT-0011-130	96.3
	RT-0011-007	101.9	RT-0011-209	115.4	RT-0011-014	108.8	RT-0011-017	107.0	RT-0011-122	93.5	RT-0011-027	99.0		
	RT-0011-107	101.9	RT-0011-309	113.5	RT-0011-114	109.7	RT-0011-117	100.5	RT-0011-023	106.3	RT-0011-127	101.2		
	RT-0011-207	113.9	RT-0011-010	93.0	RT-0011-214	100.7	RT-0011-020	106.3	RT-0011-123	99.6	RT-0011-028	115.9		
	RT-0011-307	113.9	RT-0011-013	113.7	RT-0011-314	94.4	RT-0011-120	107.7	RT-0011-223	89.9	RT-0011-128	96.6		
	RT-0011-407	115.8	RT-0011-113	114.6	RT-0011-016	85.8	RT-0011-021	91.6	RT-0011-323	94.4	RT-0011-228	92.0		
	RT-0011-009	99.2	RT-0011-213	108.9	RT-0011-116	107.5	RT-0011-121	94.5	RT-0011-024	99.6	RT-0011-328	95.5		
Total: 43														
Total: 43														