

Appendix H

The QA/QC Procedures and Results

**HIGH VOLUME AIR SAMPLER
SITE VISIT LOG SHEET**

Site Name: R-E Site No.: AM1
 Date of visit: 13-11-2001 Hour of Visit: 11:10
 Staff name: W L MAK / H K TSANG HVAS S/N: 2198
 Used filter paper no.: L004 New filter paper no.: L006
 Type of filter: Glass-fibre

I. Ambient Conditions

Temperature, $T_a = \frac{273 + 22.9}{295.9} K$ Pressure, $P_a = 1014$ mb

II. Correction of manometer reading

Calibration orifice No.	Manometer reading (ΔH_{STD}) corresponds to $Q_{STD} = 40 \text{ ft}^3/\text{min}$.	Manometer reading at site conditions
EV08B01	5.1 (4/01)	$\Delta H_a = 1.500(P_a/T_a) = \underline{\hspace{2cm}}$
✓ EV08B02	5.0 (3/01)	$\Delta H_a = 1.471(P_a/T_a) = \underline{5.04}$

Manometer reading before calibration: 5.10

Adjustment of flow controller (Y/N): N

Manometer reading after calibration: 5.10

Note: Manometer reading corrected to ambient conditions: $\Delta H_a = \Delta H_{STD}(P_a/P_{STD})(T_{STD}/T_a)$

III. General Conditions of HVAS

IV. Remarks

HIGH VOLUME AIR SAMPLER
SITE VISIT LOG SHEET

Site Name: E. G Site No.: AM 2
 Date of visit: 13-11-2001 Hour of Visit: 10:15
 Staff name: W L MAK / HK TSONG HVAS S/N: 2195
 Used filter paper no.: L005 New filter paper no.: L007
 Type of filter: Glass-fibre

I. Ambient Conditions

Temperature, $T_a = \frac{273 + 22.8}{295.8}$ K Pressure, $P_a = 1018$ mb

II. Correction of manometer reading

Calibration orifice No.	Manometer reading (ΔH_{STD}) corresponds to $Q_{STD} = 40 \text{ ft}^3/\text{min}$.	Manometer reading at site conditions
EV08B01	5.1 (4/01)	$\Delta H_a = 1.500(P_a/T_a) = \underline{\hspace{2cm}}$
✓ EV08B02	5.0 (3/01)	$\Delta H_a = 1.471(P_a/T_a) = \underline{5.06}$

Manometer reading before calibration: 4.90

Adjustment of flow controller (Y/N): Y

Manometer reading after calibration: 5.10

Note: Manometer reading corrected to ambient conditions: $\Delta H_a = \Delta H_{STD}(P_a/P_{STD})(T_{STD}/T_a)$

III. General Conditions of HVAS

IV. Remarks

PARTISOL TSP SAMPLER
SITE VISIT LOG SHEET

Site Name ASH LAGUNA Site Number AM 3
Date of Visit 13-11-2021 Hour of Visit 10:40
Staff Name W. L. MAK, H. K. TSANG Partisol S/N: 2000B 20550001
Used Filter No.: PA63 New Filter No.: PA64
Ambient temperature: 22°C Ambient pressure: 1010

I. General Services

1. Replace control unit Large In-line Filter x
2. Clean the sample inlet head ✓
3. Clean sample tube ✓
4. Clean / Replace pump head x
5. Clean / Replace piston x

II. Operational Audits (3 months interval as recommended by manufacturer)

1. Temperature Check (Ambient temperature $\pm 2^\circ\text{C}$)
_____ °C Calibration: Y/N _____ °C
Before After
2. Pressure Check (Ambient pressure ± 20 mbar)(factor = 0.000987)
_____ mbar Calibration: Y/N _____ mbar
Before After
3. Flow Check (16.7 \pm 1.1 litre/min)
_____ cc/min Calibration: Y/N _____ cc/min
Before After

III. Remarks

MINI VOLUME AIR SAMPLER
SITE VISIT LOG SHEET

Site Name: TYV Site No.: AM4
Date of visit: 13-11-2001 Hour of Visit: 10:37
Staff name: H.K. ISANG, W. HAK MINIVOL S/N: 204P
Used filter paper no.: MF05 New filter paper no.: MF06
Type of filter: ~~Cellulose~~ / Glass-fibre
(Delete as appropriate)

- I. Calibration is performed by using Drycal DC-2 Flow Calibrator
5 Sl/min set point is recommended

4940 Before 5008 After

II. General Service of Mini Vol Air Sampler

1. Clean Rotameter: X
2. Clean / replace Pump Valves: X
3. Clean / ~~replace~~ Pump Diaphragms: ✓
4. Clean Impaction Inlet: ✓
5. Replace Timer Battery Every 6 months: X
6. Replace Inlet Filter: ✓

III. Remarks

THE HONGKONG ELECTRIC CO., LTD.
LAMMA POWER STATION EXTENSION
TEOM 1400A CONTINUOUS DUST MONITOR
DATA QUALITY ASSURANCE LOG SHEET

Month : NOV Year : 2001

Reservoir (AM1)					
Date	Frequency (Hz) (260 – 280)	Noise (< 0.1)	Operation Mode (Mode 4)	Main Flow (l/min) (0.94 – 1.06)	Aux. Flow (l/min) (14.67 – 16.67)
6-11-2001	268.49	0.029	4	1.00	15.65
12-11-2001	268.00	0.024	4	1.00	15.65
18-11-2001	270.22	0.048	4	1.00	15.65
24-11-2001	269.58	0.025	4	1.00	15.65
30-11-2001	269.15	0.050	4	1.00	15.65

East Gate (AM2)					
Date	Frequency (Hz) (230 – 250)	Noise (< 0.1)	Operation Mode (Mode 4)	Main Flow (l/min) (0.94 – 1.06)	Aux. Flow (l/min) (14.67 – 16.67)
6-11-2001	246.95	0.032	4	1.00	15.64
12-11-2001	246.55	0.036	4	1.00	15.65
18-11-2001	246.54	0.042	4	1.00	15.65
24-11-2001	245.98	0.027	4	1.00	15.65
30-11-2001	245.64	0.039	4	1.00	15.64

Ash Lagoon (AM3)					
Date	Frequency (Hz) (230 – 250)	Noise (< 0.1)	Operation Mode (Mode 4)	Main Flow (l/min) (0.94 – 1.06)	Aux. Flow (l/min) (14.67 – 16.67)
6-11-2001	246.02	0.027	4	0.99	15.64
12-11-2001	245.64	0.034	4	0.99	15.64
18-11-2001	245.34	0.043	4	1.00	15.64
24-11-2001	244.81	0.031	4	0.99	15.64
30-11-2001	246.87	0.032	4	0.99	15.64

Maintenance Record			
	Reservoir	East Gate	Ash Lagoon
TEOM Filter Exchange	✓	✓	✓
Clean TSP Inlet	✓	✓	✓
Replace flow in-line filter		✓	
Pump Repair			
Leak Check			
Flow Audit			
Flow Controller Calibration			
A/C filter cleaning	✓	✓	✓

Remarks:

Prepared by : Alex.

Checked by : Cal

THE HONGKONG ELECTRIC CO., LTD.
LAMMA POWER STATION EXTENSION
NOISE MONITORING STATION
SITE VISIT LOG SHEET

Location Ash Lagoon/~~Ching Lam~~*

Date 13-11-2001 Time 11:25

Equipment Rion NA-27 Sound Level Meter

Serial Number 00111465/00111466/00111467*

Staff Attended W.L. MAK, H.K. TSANG

1. Calibration

Acoustic calibrator used Rion NC-74

Calibration level before adjustment (dB(A)) 93.8

Calibration level after adjustment (dB(A)) 94

2. Weather Conditions

a. Sunny/~~fine~~/~~cloudy~~/~~showery~~/~~heavy rain~~*

b. ~~Strong wind~~/~~breeze~~/~~calm~~*

3. Remark/Observation

Note: * - Please delete where inappropriate

28/3/2001

THE HONGKONG ELECTRIC CO., LTD.
LAMMA POWER STATION EXTENSION
NOISE MONITORING STATION
SITE VISIT LOG SHEET

Location Ash Lagoon/Ching Lam*

Date 22-11-2001 Time 15:20

Equipment Rion NA-27 Sound Level Meter

Serial Number 00111465/00111466/00111467*

Staff Attended T. L. CHU ; W. L. MAK

1. Calibration

Acoustic calibrator used Rion NC-74

Calibration level before adjustment (dB(A)) 93.9

Calibration level after adjustment (dB(A)) 94

2. Weather Conditions

a. Sunny/~~fine~~/~~cloudy~~/~~showery~~/~~heavy rain~~*

b. ~~Strong wind~~/~~breeze~~/~~calm~~*

3. Remark/Observation

Note: * - Please delete where inappropriate

Equipment Calibration Record

Equipment No.	--	Equipment description	YSI 6820 Multi-parameter Water Quality Monitor/ Hydrolab Datasonde 4a
Calibration method reference	--	Calibration equipment used (if any)	--

Use of Reference material (if any)	pH 6.86 & 10.01 buffer RM ESG-006 RM ESG-007	DO --	Turbidity 0 NTU & 100 NTU
Permissible tolerance of calibration	± 0.12 pH	$\pm 5\%$	$\pm 5\%$

Calibration Result

Date	Standard	pH		DO	Turbidity		Calibrated by
		6.86	10.01	100%	0	100	
3/11	Before	6.90	10.05	98.5	0.3	102.4	T. Chan
	After	6.86	10.01	100.0	0.0	100.0	
5/11	Before	6.71	10.06	102.0	1.3	101.1	L. Chan
	After	6.86	10.01	100.0	0.0	100.0	
7/11	Before	6.89	10.8	99.6	0.9	102.1	J. Chan
	After	6.86	10.01	100.0	0.0	100.0	
9/11	Before	6.77	10.08	97.4	0.5	101.3	T. Chan
	After	6.86	10.01	100.0	0.0	100.0	
12/11	Before	6.88	10.07	105.4	1.1	99.7	L. Chan
	After	6.86	10.01	100.0	0.0	100.0	
14/11	Before	6.79	10.05	106.1	0.3	103.8	T. Chan
	After	6.86	10.01	100.0	0.0	100.0	
16/11	Before	6.76	10.06	101.9	0.2	101.1	F. Chan
	After	6.86	10.01	100.0	0.0	100.0	
20/11	Before	6.85	10.09	96.5	0.5	102.2	L. Chan
	After	6.86	10.01	100.0	0.0	100.0	
22/11	Before	6.79	10.07	99.3	0.2	104.2	T. Chan
	After	6.86	10.01	100.0	0.0	100.0	
24/11	Before	6.81	10.06	99.7	1.2	103.4	L. Chan
	After	6.86	10.01	100.0	0.0	100.0	
26/11	Before	6.83	10.02	99.1	0.7	101.8	L. Chan
	After	6.86	10.01	100.0	0.0	100.0	
28/11	Before	6.89	10.09	99.3	0.8	102.3	T. Chan
	After	6.86	10.01	100.0	0.0	100.0	
30/11	Before	6.88	10.03	99.9	1.0	101.2	L. Chan
	After	6.86	10.01	100.0	0.0	100.0	
	Before						
	After						

Approved by EMC: _____

Date: _____

30/11/2011

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
Suspended Solids mg/L	< 1	BK0111005	< 1	BK0111008	< 1	BK0111012	< 1	BK0111015	< 1	BK0111021	< 1	BK0111026	< 1
		BK0111105	< 1	BK0111108	< 1	BK0111112	< 1	BK0111115	< 1	BK0111121	< 1	BK0111016	< 1
		BK0111205	< 1	BK0111208	< 1	BK0111212	< 1	BK0111215	< 1	BK0111221	< 1	BK0111216	< 1
		BK0111305	< 1	BK0111308	< 1	BK0111312	< 1	BK0111315	< 1	BK0111321	< 1	BK0111316	< 1
		BK0111106	< 1	BK0111012	< 1	BK0111013	< 1	BK0111019	< 1	BK0111023	< 1	BK0111227	< 1
		BK0111006	< 1	BK0111112	< 1	BK0111113	< 1	BK0111119	< 1	BK0111123	< 1	BK0111327	< 1
		BK0111206	< 1	BK0111212	< 1	BK0111213	< 1	BK0111219	< 1	BK0111223	< 1	BK0111027	< 1
		BK0111306	< 1	BK0111312	< 1	BK0111313	< 1	BK0111319	< 1	BK0111323	< 1		
Total: 47													
Unionized Ammonia (as Ammonia) mg/L	< 0.01	BK0111005	< 0.01	BK0111008	< 0.01	BK0111012	< 0.01	BK0111015	< 0.01	BK0111021	< 0.01	BK0111026	< 0.01
		BK0111105	< 0.01	BK0111108	< 0.01	BK0111112	< 0.01	BK0111115	< 0.01	BK0111121	< 0.01	BK0111126	< 0.01
		BK0111205	< 0.01	BK0111208	< 0.01	BK0111212	< 0.01	BK0111215	< 0.01	BK0111221	< 0.01	BK0111226	< 0.01
		BK0111305	< 0.01	BK0111308	< 0.01	BK0111312	< 0.01	BK0111315	< 0.01	BK0111321	< 0.01		
		BK0111006	< 0.01	BK0111012	< 0.01	BK0111013	< 0.01	BK0111019	< 0.01	BK0111023	< 0.01		
		BK0111106	< 0.01	BK0111112	< 0.01	BK0111113	< 0.01	BK0111119	< 0.01	BK0111123	< 0.01		
		BK0111206	< 0.01	BK0111212	< 0.01	BK0111213	< 0.01	BK0111219	< 0.01	BK0111223	< 0.01		
		BK0111306	< 0.01	BK0111312	< 0.01	BK0111313	< 0.01	BK0111319	< 0.01	BK0111323	< 0.01		
Total: 43													
Total Inorganic Nitrogen (as Nitrite and Nitrate) mg/L	< 0.01	BK0111106	< 0.01	BK0111109	< 0.01	BK0111213	< 0.01	BK0111216	< 0.01	BK0111221	< 0.01	BK0111027	< 0.01
		BK0111206	< 0.01	BK0111209	< 0.01	BK0111014	< 0.01	BK0111019	< 0.01	BK0111022	< 0.01	BK0111127	< 0.01
		BK0111007	< 0.01	BK0111013	< 0.01	BK0111114	< 0.01	BK0111119	< 0.01	BK0111122	< 0.01	BK0111028	< 0.01
		BK0111107	< 0.01	BK0111113	< 0.01	BK0111214	< 0.01	BK0111219	< 0.01	BK0111023	< 0.01		
		BK0111008	< 0.01	BK0111213	< 0.01	BK0111015	< 0.01	BK0111020	< 0.01	BK0111123	< 0.01		
		BK0111108	< 0.01	BK0111013	< 0.01	BK0111115	< 0.01	BK0111120	< 0.01	BK0111026	< 0.01		
		BK0111208	< 0.01	BK0111014	< 0.01	BK0111016	< 0.01	BK0111021	< 0.01	BK0111126	< 0.01		
		BK0111009	< 0.01	BK0111114	< 0.01	BK0111116	< 0.01	BK0111121	< 0.01	BK0111226	< 0.01		
Total: 43													

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		
Suspended Solids mg/L	exceed 20%	WC0116024	8.5	WC0116215	9.9	WC0116330	8.0	WC0116503	8.4	WC0116747	6.9	WC0116957	5.1		
			8.5		10.3		7.4		7.8		6.3		6.1		
		WC0116039	9.1	WC0116230	12.3	WC0116345	7.9	WC0116518	17.6	WC0116762	16.3	WC0116972	16.6	WC0116972	16.4
			8.7		11.7		8.1		17.2		15.7		16.4		
		WC0116060	6.4	WC0116251	9.1	WC0116366	8.9	WC0116539	9.8	WC0116783	11.8	WC0116993	7.8	WC0116993	8.2
			6.0		9.7		9.3		9.8		11.4		8.2		
		WC0116075	9.6	WC0116266	15.6	WC0116381	17.9	WC0116554	9.4	WC0116798	9.5	WC0117008	14.9	WC0117008	15.5
			10.0		16.2		16.3		9.8		9.5		15.5		
		WC0116126	12.9	WC0116330	8.0	WC0116413	13.7	WC0116630	12.2	WC0116864	8.0	WC0117042	9.1	WC0117042	8.7
			12.7		7.4		13.1		11.8		8.4		8.7		
		WC0116141	13.4	WC0116345	7.9	WC0116428	11.7	WC0116645	19.3	WC0116879	10.8	WC0117057	7.4	WC0117057	7.4
			14.6		8.1		12.5		18.9		10.4		8.8		
		WC0116162	11.4	WC0116366	8.9	WC0116449	9.6	WC0116666	7.0	WC0116900	6.2	WC0117078	13.0	WC0117078	13.0
			11.6		9.3		10.2		6.6		5.4		13.6		
		WC01161177	7.9	WC0116381	17.9	WC0116464	17.5	WC0116681	7.9	WC0116915	13.8	WC0116915		WC0116915	
			7.9		16.3		17.9		7.9		12.8				
		Unionised Ammonia (as Ammonia) mg/L	exceed 20%	WC0116024	0.001	WC0116215	0.001	WC0116330	0.001	WC0116503	0.001	WC0116747	<0.001	WC0116957	<0.001
0.001	0.001				0.001		0.001		<0.001		<0.001				
WC0116039	0.002			WC0116230	0.004	WC0116345	0.003	WC0116518	0.003	WC0116762	0.003	WC0116972	<0.001	WC0116972	<0.001
	0.002				0.004		0.003		0.003		<0.001		<0.001		
WC0116060	<0.001			WC0116251	<0.001	WC0116366	0.001	WC0116539	0.001	WC0116783	<0.001	WC0116993	<0.001	WC0116993	<0.001
	<0.001				<0.001		0.001		0.001		<0.001		<0.001		
WC0116075	0.001			WC0116266	0.001	WC0116381	0.002	WC0116554	<0.001	WC0116798	0.001	WC0116798	0.001	WC0116798	
	0.001				0.001		0.001		<0.001		0.001				
WC0116126	0.001			WC0116330	0.001	WC0116413	0.001	WC0116630	<0.001	WC0116864	<0.001	WC0116864	<0.001	WC0116864	
	0.002				0.003		0.003		0.001		<0.001				
WC0116141	0.002			WC0116345	0.003	WC0116428	0.003	WC0116645	0.001	WC0116879	<0.001	WC0116879	<0.001	WC0116879	
	<0.001				0.001		0.001		<0.001		<0.001				
WC0116162	<0.001			WC0116366	0.001	WC0116449	0.001	WC0116666	<0.001	WC0116900	<0.001	WC0116900	<0.001	WC0116900	
	0.001				0.002		0.001		<0.001		<0.001				
WC01161177	0.001			WC0116381	0.002	WC0116464	0.001	WC0116681	<0.001	WC0116915	<0.001	WC0116915	<0.001	WC0116915	
Total Inorganic Nitrogen (as Nitrite + Nitrate) mg/L	exceed 20%			WC0116024	0.01	WC0116215	0.03	WC0116330	0.02	WC0116503	0.04	WC0116747	0.06	WC0116957	0.09
					0.01		0.03		0.02		0.03		0.06		0.08
		WC0116039	0.16	WC0116230	0.08	WC0116345	0.08	WC0116518	0.06	WC0116762	0.13	WC0116972	0.12	WC0116972	0.12
			0.02		0.02		0.03		0.04		0.05		0.06		
		WC0116060	0.03	WC0116251	0.02	WC0116366	0.03	WC0116539	0.04	WC0116783	0.05	WC0116993	0.06	WC0116993	0.06
			0.07		0.05		0.10		0.05		0.15				
		WC0116075	0.07	WC0116266	0.06	WC0116381	0.10	WC0116554	0.05	WC0116798	0.15	WC0116798	0.15	WC0116798	
			0.01		0.02		0.04		0.06		0.06				
		WC0116126	0.01	WC0116330	0.02	WC0116413	0.04	WC0116630	0.06	WC0116864	0.06	WC0116864	0.06	WC0116864	
			0.12		0.08		0.05		0.07		0.07				
		WC0116141	0.12	WC0116345	0.08	WC0116428	0.05	WC0116645	0.07	WC0116879	0.07	WC0116879	0.07	WC0116879	
			0.01		0.03		0.03		0.06		0.07				
		WC0116162	0.01	WC0116366	0.03	WC0116449	0.03	WC0116666	0.06	WC0116900	0.07	WC0116900	0.07	WC0116900	
			0.07		0.10		0.03		0.06		0.17				
		WC01161177	0.07	WC0116381	0.10	WC0116464	0.03	WC0116681	0.06	WC0116915	0.17	WC0116915	0.17	WC0116915	

Total: 47

Total: 43

Total: 43

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 (%)
Unionized Ammonia (as Ammonia) mg/L	RT0111005	91	RT0111008	92	RT0111012	97	RT0111015	86	RT0111021	91	RT0111026	95
	RT0111105	98	RT0111108	88	RT0111112	98	RT0111115	98	RT0111121	96	RT0111126	108
	RT0111205	96	RT0111208	91	RT0111212	92	RT0111215	89	RT0111221	96	RT0111226	98
	RT0111305	93	RT0111308	97	RT0111312	89	RT0111315	93	RT0111321	88		
	RT0111006	102	RT0111012	97	RT0111013	93	RT0111019	93	RT0111023	104		
	RT0111106	96	RT0111112	98	RT0111113	92	RT0111119	92	RT0111123	103		
	RT0111206	101	RT0111212	92	RT0111213	97	RT0111219	93	RT0111223	98		
RT0111306	103	RT0111312	89	RT0111313	97	RT0111319	95	RT0111323	100			
Total Inorganic Nitrogen (as Nitrite + Nitrate) mg/L	RT0111106	103.4	RT0111109	98.9	RT0111213	99.8	RT0116216	94.6	RT0111221	102.1	RT0111027	102.0
	RT0111206	96.5	RT0111209	98.9	RT0111014	100.8	RT0111019	103.3	RT0111022	99.3	RT0111127	103.4
	RT0111007	97.3	RT0111013	95.6	RT0111114	103.6	RT0111119	100.5	RT0111122	95.1	RT0111028	97.2
	RT0111107	97.3	RT0111113	94.2	RT0111214	96.6	RT0111219	95.0	RT0111023	99.0		
	RT0111008	93.9	RT0111213	99.8	RT0111015	94.9	RT0111020	100.8	RT0111123	101.7		
	RT0111108	95.3	RT0111013	100.8	RT0111115	93.4	RT0111120	100.8	RT0111026	97.3		
	RT0111208	102.2	RT0111014	103.6	RT0111016	100.2	RT0111021	102.1	RT0111126	102.8		
RT0111009	93.3	RT0111114	96.6	RT0111116	103.1	RT0111121	96.5	RT0111226	94.5			

Total: 43

Total: 43

Acceptance Criteria: 75% to 125%

SUMMARY OF QUALITY CONTROL DATA - QC SAMPLES RESULTS

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
Suspended Solids mg/L	8.9 - 10.3	QC0111005	9.5	QC0111008	9.6	QC0111012	9.4	QC0111015	9.9	QC0111021	9.6	QC0111026	9.5
		QC0111105	10.1	QC0111108	9.6	QC0111112	9.5	QC0111115	9.6	QC0111121	9.7	QC0111016	9.3
		QC0111205	9.6	QC0111208	9.7	QC0111212	9.8	QC0111215	9.7	QC0111221	10.2	QC0111216	9.9
		QC0111305	10.1	QC0111308	9.5	QC0111312	9.6	QC0111315	10.2	QC0111321	10.3	QC0111316	9.6
		QC0111106	9.8	QC0111012	9.4	QC0111013	9.4	QC0111019	9.5	QC0111023	9.5	QC0111227	9.5
		QC0111006	9.6	QC0111112	9.5	QC0111113	10.2	QC0111119	10	QC0111123	9.5	QC0111327	9.7
		QC0111206	9.8	QC0111212	9.8	QC0111213	9.4	QC0111219	9.5	QC0111223	9.4	QC0111027	9.4
		QC0111306	9.7	QC0111312	9.6	QC0111313	10.1	QC0111319	9.2	QC0111323	9.3		
Unionized Ammonia (as Ammonia) mg/L	0.09 - 0.12	QC0111005	0.10	QC0111008	0.10	QC0111012	0.10	QC0111015	0.12	QC0111021	0.11	QC0111026	0.10
		QC0111105	0.10	QC0111108	0.10	QC0111112	0.10	QC0111115	0.09	QC0111121	0.10	QC0111126	0.09
		QC0111205	0.12	QC0111208	0.10	QC0111212	0.10	QC0111215	0.09	QC0111221	0.10	QC0111226	0.11
		QC0111305	0.10	QC0111308	0.10	QC0111312	0.10	QC0111315	0.09	QC0111321	0.10		
		QC0111006	0.11	QC0111012	0.10	QC0111013	0.09	QC0111019	0.10	QC0111023	0.10		
		QC0111106	0.11	QC0111112	0.10	QC0111113	0.10	QC0111119	0.09	QC0111123	0.10		
		QC0111206	0.11	QC0111212	0.10	QC0111213	0.10	QC0111219	0.09	QC0111223	0.10		
		QC0111306	0.11	QC0111312	0.10	QC0111313	0.09	QC0111319	0.10	QC0111323	0.10		
Total Inorganic Nitrogen (as Nitrite and Nitrate) mg/L	0.36 - 0.44	QC0111106	0.40	QC0111109	0.40	QC0111213	0.40	QC0116216	0.40	QC0111221	0.41	QC0111027	0.40
		QC0111206	0.40	QC0111209	0.40	QC0111014	0.40	QC0111019	0.40	QC0111022	0.40	QC0111127	0.40
		QC0111007	0.40	QC0111013	0.39	QC0111114	0.40	QC0111119	0.40	QC0111122	0.40	QC0111028	0.40
		QC0111107	0.41	QC0111113	0.40	QC0111214	0.40	QC0111219	0.41	QC0111023	0.39		
		QC0111008	0.39	QC0111213	0.40	QC0111015	0.40	QC0111020	0.39	QC0111123	0.39		
		QC0111108	0.40	QC0111013	0.40	QC0111115	0.40	QC0111120	0.40	QC0111026	0.40		
		QC0111208	0.40	QC0111014	0.40	QC0111016	0.39	QC0111021	0.40	QC0111126	0.40		
		QC0111009	0.40	QC0111114	0.40	QC0111116	0.39	QC0111121	0.40	QC0111226	0.43		

Total: 47

Total: 43

Total: 43

SUMMARY OF QUALITY CONTROL DATA - BLIND 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	Sample ID	Measured Value	Sample ID	Measured Value	Sample ID	Measured Value	Sample ID	Measured Value				
Suspended Solids mg/L	exceed 20%	WC0116084	10.0	WC0116186	16.9	WC0116275	15.6	WC0116390	7.1	WC0116390	7.1	WC0116473	9.3	WC0116563	12.0	WC0116690	15.3	WC0116807	9.7	WC0116924	9.6	WC0117017	9.1	WC0117102	10.8		
		WC0116085	7.6	WC0116187	11.9	WC0116276	14.4	WC0116391	7.7	WC0116391	7.7	WC0116474	12.5	WC0116564	8.2	WC0116691	11.9	WC0116808	13.3	WC0116925	11.8	WC0117018	8.5	WC0117103	10.6		
		WC0116086	13.9	WC0116188	15.3	WC0116277	8.2	WC0116392	9.9	WC0116392	9.9	WC0116475	14.3	WC0116565	12.2	WC0116692	12.5	WC0116809	22.5	WC0116926	12.2	WC0117019	8.7	WC0117104	9.0		
		WC0116087	9.4	WC0116189	18.3	WC0116278	17.4	WC0116393	13.5	WC0116393	13.5	WC0116476	11.1	WC0116566	16.4	WC0116693	7.3	WC0116810	16.7	WC0116927	13.8	WC0117020	16.1	WC0117105	12.2		
		WC0116088	10.1	WC0116190	11.5	WC0116279	15.4	WC0116394	9.3	WC0116394	9.3	WC0116477	12.7	WC0116567	12.2	WC0116694	13.3	WC0116811	15.7	WC0116928	12.2	WC0117021	9.7	WC0117106	14.4		
		WC0116089	9.4	WC0116191	12.3	WC0116280	9.2	WC0116395	9.1	WC0116395	9.1	WC0116478	8.9	WC0116568	15.8	WC0116695	12.3	WC0116812	8.1	WC0116929	8.4	WC0117022	9.7	WC0117107	14.4		
		WC0116090	11.6	WC0116192	13.9	WC0116281	10.6	WC0116396	7.9	WC0116396	7.9	WC0116479	8.1	WC0116569	12.0	WC0116696	7.9	WC0116813	11.1	WC0116930	16.8	WC0117023	8.1				
		WC0116091	10.4	WC0116193	10.1	WC0116282	16.4	WC0116397	14.5	WC0116397	14.5	WC0116480	16.5	WC0116570	22.6	WC0116697	6.7	WC0116814	7.1	WC0116931	14.7	WC0117024	14.3				
		WC0116084	9.8	WC0116186	9.5	WC0116275	0.001	WC0116390	0.004	WC0116390	0.004	WC0116473	0.003	WC0116563	0.001	WC0116690	0.001	WC0117205	0.001	WC0117203	0.002	WC0117201	0.002	WC0117017	0.003		
		WC0116085	0.001	WC0116187	0.001	WC0116276	0.001	WC0116391	0.001	WC0116391	0.001	WC0116474	0.001	WC0116564	0.001	WC0116691	<0.001	WC0116808	<0.001	WC0116925	<0.001	WC0117018	<0.001	WC0117103	<0.001		
		WC0116086	0.001	WC0116188	0.001	WC0116277	0.001	WC0116392	0.004	WC0116392	0.004	WC0116475	0.003	WC0116565	0.001	WC0116692	0.001	WC0116809	0.002	WC0116926	0.001	WC0117019	<0.001	WC0117104	<0.001		
		WC0116087	0.002	WC0116189	0.003	WC0116278	0.003	WC0116393	0.001	WC0116393	0.001	WC0116476	0.001	WC0116566	0.001	WC0116693	<0.001	WC0116810	<0.001	WC0116927	<0.001	WC0117020	<0.001	WC0117105	<0.001		
		WC0116088	0.001	WC0116190	0.001	WC0116279	0.001	WC0116394	0.003	WC0116394	0.003	WC0116477	0.001	WC0116567	<0.001	WC0116694	<0.001	WC0117204	<0.001	WC0117202	0.002	WC0117200	<0.001	WC0117021	0.003		
		WC0116089	0.001	WC0116191	<0.001	WC0116280	0.001	WC0116395	0.001	WC0116395	0.001	WC0116478	0.001	WC0116568	<0.001	WC0116695	<0.001	WC0116812	<0.001	WC0116929	<0.001	WC0117022	<0.001	WC0117107	<0.001		
		WC0116090	0.001	WC0116192	0.001	WC0116281	0.001	WC0116396	0.002	WC0116396	0.002	WC0116479	0.001	WC0116569	0.001	WC0116696	0.001	WC0116813	0.001	WC0116930	0.001	WC0117023	0.001	WC0117106	0.001		
		WC0116091	0.001	WC0116193	<0.001	WC0116282	0.001	WC0116397	0.001	WC0116397	0.001	WC0116480	0.001	WC0116570	0.001	WC0116697	<0.001	WC0116814	<0.001	WC0116931	<0.001	WC0117024	<0.001	WC0117107	<0.001		
		WC0116084	0.16	WC0116186	0.14	WC0116275	0.07	WC0116390	0.21	WC0116390	0.21	WC0116473	0.10	WC0116563	0.08	WC0116690	0.21	WC0117205	0.28	WC0117203	0.08	WC0117201	0.28	WC0117017	0.26		
		WC0116085	0.02	WC0116187	0.02	WC0116276	0.03	WC0116391	0.05	WC0116391	0.05	WC0116474	0.05	WC0116564	0.05	WC0116691	0.07	WC0116808	0.09	WC0116925	0.09	WC0117018	0.08	WC0117103	0.08		
		WC0116086	0.03	WC0116188	0.04	WC0116277	0.04	WC0116392	0.17	WC0116392	0.17	WC0116475	0.09	WC0116565	0.08	WC0116692	0.11	WC0116809	0.23	WC0116926	0.18	WC0117019	0.18	WC0117104	0.07		
		WC0116087	0.20	WC0116189	0.22	WC0116278	0.18	WC0116393	0.10	WC0116393	0.10	WC0116476	0.05	WC0116566	0.08	WC0116693	0.08	WC0116810	0.22	WC0116927	0.18	WC0117020	0.10	WC0117105	0.12		
WC0116088	0.13	WC0116190	0.11	WC0116279	0.06	WC0116394	0.11	WC0116394	0.11	WC0116477	0.06	WC0116567	0.05	WC0116694	0.07	WC0116811	0.08	WC0116928	0.10	WC0117021	0.10	WC0117106	0.12				
WC0116089	0.02	WC0116191	0.01	WC0116280	0.03	WC0116395	0.19	WC0116395	0.19	WC0116478	0.07	WC0116568	0.12	WC0116695	0.12	WC0116812	0.26	WC0116929	0.11	WC0117022	0.11	WC0117107	0.27				
WC0116090	0.03	WC0116192	0.03	WC0116281	0.03	WC0116396	0.05	WC0116396	0.05	WC0116479	0.05	WC0116569	0.06	WC0116696	0.07	WC0116813	0.08	WC0116930	0.09	WC0117023	0.09	WC0117108	0.06				
WC0116091	0.09	WC0116193	0.08	WC0116282	0.10	WC0116397	0.12	WC0116397	0.12	WC0116480	0.05	WC0116570	0.06	WC0116697	0.10	WC0116814	0.16	WC0116931	0.20	WC0117024	0.20	WC0117109	0.06				
WC0116091	0.08	WC0116193	0.08	WC0116282	0.10	WC0116397	0.10	WC0116397	0.10	WC0116480	0.06	WC0116570	0.05	WC0116697	0.07	WC0116814	0.08	WC0116931	0.08	WC0117024	0.08	WC0117109	0.08				

Total: 94

Total: 86

Total: 86