

# Appendix H

The QA/QC Procedures and Results

HIGH VOLUME AIR SAMPLER

SITE VISIT LOG SHEET

Site Name: RE Site No.: Am 1  
Date of visit: 15-10-2001 Hour of Visit: 0930  
Staff name: WL MAK / HK TSANG HVAS S/N: 2198  
Used filter paper no.: LN 94 New filter paper no.: LN96  
Type of filter: Glass-fibre

I. Ambient Conditions

Temperature,  $T_a = 23 + 28.5$  K Pressure,  $P_a = 1008$  mb

II. Correction of manometer reading

Calibration orifice No.	Manometer reading ( $\Delta H_{STD}$ ) corresponds to $Q_{STD} = 40 \text{ ft}^3/\text{min}$ .	Manometer reading at site conditions
EV08B01	5.1 (4/01)	$\Delta H_a = 1.500(P_a/T_a) = \underline{\hspace{2cm}}$
$\checkmark$ EV08B02	5.0 (3/01)	$\Delta H_a = 1.471(P_a/T_a) = \underline{4.92}$

Manometer reading before calibration: 4.70

Adjustment of flow controller (Y/N): Y

Manometer reading after calibration: 4.90

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

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IV. Remarks

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

Site Name: EG Site No.: AM2  
 Date of visit: 15-10-2001 Hour of Visit: 1000  
 Staff name: W L Mak (HKTS916) HVAS S/N: 2195  
 Used filter paper no.: LW95 New filter paper no.: LW97  
 Type of filter: Glass-fibre

**I. Ambient Conditions**

Temperature,  $T_a = 27.3 + 28.3$  K Pressure,  $P_a = 1014$  mb

**II. Correction of manometer reading**

Calibration orifice No.	Manometer reading ( $\Delta H_{STD}$ ) corresponds to $Q_{STD} = 40$ ft <sup>3</sup> /min.	Manometer reading at site conditions
EV08B01	5.1 (4/01)	$\Delta H_a = 1.500(P_a/T_a) =$ _____
✓EV08B02	5.0 (3/01)	$\Delta H_a = 1.471(P_a/T_a) = 4.94$

Manometer reading before calibration: 5.10

Adjustment of flow controller (Y/N): Y

Manometer reading after calibration: 4.90

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**

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**IV. Remarks**

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PARTISOL TSP SAMPLER  
SITE VISIT LOG SHEET

Site Name ASH LAGOON Site Number AM3  
Date of Visit 22-10-2001 Hour of Visit 10:00  
Staff Name W.L. MAK, H.K. TSANG Partisol S/N: 2000R20550001  
Used Filter No.: PA36 New Filter No.: PA37  
Ambient temperature: 28.1°C Ambient pressure: 1016 mbar

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  $\pm 2^\circ\text{C}$ )  
28.1 °C Calibration: X/N \_\_\_\_\_ °C  
Before After
2. Pressure Check (Ambient pressure  $\pm 20$  mbar)(factor = 0.000987)  
1000.1 mbar Calibration: X/N \_\_\_\_\_ mbar  
Before After
3. Flow Check (16.7 $\pm$  1.1 litre/min)  
16.5 cc/min Calibration: X/N \_\_\_\_\_ cc/min  
Before After

III. Remarks

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MINI VOLUME AIR SAMPLER

SITE VISIT LOG SHEET

Site Name: JYV Site No.: AM4  
Date of visit: 15-10-2001 Hour of Visit: 1030  
Staff name: H K TSANG/W L MAC MINIVOL S/N: 204P  
Used filter paper no.: MFO1 New filter paper no.: MFO2  
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

4.65 Before 5.00P After

II. General Service of Mini Vol Air Sampler

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

III. Remarks

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

Month : OCT.      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)
1-10-2001	269.92	0.051	4	1.00	15.65
7-10-2001	269.61	0.034	4	1.00	15.65
13-10-2001	269.89	0.026	4	1.00	15.65
19-10-2001	269.36	0.031	4	1.00	15.65
25-10-2001	269.15	0.037	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)
1-10-2001	245.64	0.028	4	0.99	15.65
7-10-2001	245.34	0.031	4	0.99	15.66
13-10-2001	245.05	0.026	4	1.00	15.64
19-10-2001	247.65	0.038	4	1.00	15.65
25-10-2001	247.48	0.038	4	1.00	15.65

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)
1-10-2001	249.26	0.026	4	1.00	15.64
7-10-2001	248.96	0.024	4	1.00	15.64
13-10-2001	248.67	0.038	4	1.00	15.64
19-10-2001	248.26	0.031	4	1.00	15.64
25-10-2001	246.54	0.030	4	1.00	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:

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Prepared by : Alex

Checked by : CL

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

Location Ash Lagoon/Ching Lam\*

Date 15-10-2001 Time 11:26

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)) 94.0

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

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Note: \* - Please delete where inappropriate

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

Location Ash Lagoon/Ching Lam\*

Date 18-10-2001 Time 10:15

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)) 94.0

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

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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	DO	Turbidity
	pH 6.86 & 10.01 buffer RM ESG-006 RM ESG-007	--	0 NTU & 100 NTU
Permissible tolerance of calibration	+ 0.12 pH	+5%	+5%

#### Calibration Result

Date	Standard	pH		DO	Turbidity		Calibrated by
		6.86	10.01	100%	0	100	
1/10	Before	6.83	10.04	97.8	1.2	102.1	
	After	6.86	10.01	100.0	0.0	100.0	
3/10	Before	6.87	10.00	92.8	1.4	106.3	Franky.
	After	6.86	10.01	100.0	0.0	100.0	
5/10	Before	6.88	9.98	92.4	1.0	105.2	McChen.
	After	6.86	10.01	100.0	0.0	100.0	
8/10	Before	6.86	10.03	99.4	0.2	101.0	Franky.
	After	6.86	10.01	100.0	0.0	100.0	
10/10	Before	6.88	10.05	99.5	0.3	102.5	Talle
	After	6.86	10.01	100.0	0.0	100.0	
12/10	Before	6.87	10.04	96.2	0.5	104.2	Franky.
	After	6.86	10.01	100.0	0.0	100.0	
15/10	Before	6.87	10.00	94.3	0.2	101.1	Franky.
	After	6.86	10.01	100.0	0.0	100.0	
17/10	Before	6.88	10.00	94.3	1.4	102.4	Franky.
	After	6.86	10.01	100.0	0.0	100.0	
19/10	Before	6.91	10.04	98.5	0.8	101.2	
	After	6.86	10.01	100.0	0.0	100.0	
22/10	Before	6.85	10.11	97.4	1.2	104.5	
	After	6.86	10.01	100.0	0.0	100.0	
24/10	Before	6.87	10.04	99.2	2.0	102.4	
	After	6.86	10.01	100.0	0.0	100.0	
26/10	Before	6.83	10.07	98.6	1.2	99.7	
	After	6.86	10.01	100.0	0.0	100.0	
29/10	Before	6.85	9.98	97.8	1.4	102.5	
	After	6.86	10.01	100.0	0.0	100.0	
31/10	Before	6.85	10.02	94.6	0.2	103.3	Franky.
	After	6.86	10.01	100.0	0.0	100.0	

Approved by EMC: \_\_\_\_\_

Date: 31/10



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%	WC0113611	6.6	WC0114135	5.7	WC0114323	9.2	WC0114520	10.0	WC0114729	11.2	WC0114917	8.6	WC0115095	9.5				
			6.6		5.9		9.8		10.6		11.0		9.0		9.1				
		WC0113626	13.8	WC0114150	6.7	WC0114338	10.0	WC0114535	6.3	WC0114744	13.0	WC0114932	12.6	WC0114932	9.3	WC0115110	6.3		
			13.0		5.9		9.6		5.9		12.6		9.3		6.9				
		WC0113647	8.7	WC0114170	6.9	WC0114359	9.5	WC0114556	8.3	WC0114765	10.6	WC0114953	10.6	WC0114953	8.2				
			7.5		6.5		8.9		8.1		11.6		10.0						
		WC0113622	17.1	WC0114186	18.9	WC0114374	12.1	WC0114571	7.6	WC0114780	13.6	WC0114968	13.6	WC0114968	9.2				
			16.1		17.1		12.5		6.8		15.0		9.4						
		WC0114019	6.8	WC0114220	12.4	WC0114429	8.3	WC0114617	11.3	WC0114819	9.8	WC0115009	9.8	WC0115009	10.5				
			7.2		11.2		9.5		12.3		8.6		11.3						
		WC0114034	18.1	WC0114235	9.2	WC0114444	9.5	WC0114632	10.8	WC0114834	11.2	WC0115024	11.2	WC0115024	7.5				
			17.7		10.0		9.1		9.6		12.2		8.1						
		WC0114055	5.0	WC0114256	8.5	WC0114465	9.7	WC0114653	11.5	WC0114855	8.3	WC0115045	8.3	WC0115045	6.9				
			4.8		8.7		10.7		9.6		8.9		7.1						
		WC0114071	9.1	WC0114271	7.6	WC0114480	12.8	WC0114668	15.3	WC0114870	17.5	WC0115146	17.5	WC0115146	8.4				
			9.9		7.4		13.0		15.7		19.7		8.4						
		Unionised Ammonia (as Ammonia) mg/L	exceed 20%	WC0113611	0.004	WC0114135	0.001	WC0114323	<0.001	WC0114520	0.001	WC0114729	0.001	WC0114917	<0.001	WC0114917	<0.001		
					0.004		0.001		<0.001		0.001		0.001		<0.001		<0.001		
				WC0113626	0.002	WC0114150	0.002	WC0114338	0.002	WC0114535	0.003	WC0114744	0.001	WC0114932	0.001	WC0114932	<0.001		
					0.002		0.002		0.002		0.003		0.001		<0.001		<0.001		
WC0113647	0.001			WC0114170	0.001	WC0114359	0.001	WC0114556	<0.001	WC0114765	<0.001	WC0114953	<0.001	WC0114953	<0.001				
	0.001				0.001		0.001		<0.001		<0.001		<0.001		<0.001				
WC0113622	0.001			WC0114186	0.003	WC0114374	0.003	WC0114571	0.003	WC0115131	<0.001	WC0114968	<0.001	WC0114968	<0.001				
	0.003				0.004		0.002		0.001		<0.001		<0.001		<0.001				
WC0114019	0.003			WC0114220	0.004	WC0114429	<0.001	WC0114617	0.001	WC0114819	<0.001	WC0115009	<0.001	WC0115009	0.001				
	0.005				0.017		0.006		0.002		0.001		0.002		0.001				
WC0114034	0.005			WC0114235	0.017	WC0114444	0.006	WC0114632	0.002	WC0114834	0.001	WC0115024	0.001	WC0115024	0.002				
	0.001				<0.001		<0.001		<0.001		<0.001		0.001		0.001				
WC0114055	0.001			WC0115146	<0.001	WC0114465	<0.001	WC0114653	<0.001	WC0114855	0.001	WC0115045	0.001	WC0115045	0.001				
	<0.001				0.010		<0.001		<0.001		0.001		<0.001		<0.001				
WC0114071	<0.001	WC0114271	0.090	WC0114480	<0.001	WC0114668	0.001	WC0114870	<0.001	WC0115146	<0.001	WC0115146	<0.001						
	0.09		0.08		<0.001		0.001		<0.001		<0.001		<0.001						
Total Inorganic Nitrogen (as Nitrite + Nitrate) mg/L	exceed 20%	WC0115146	0.09	WC0115131	0.08	WC0114323	0.06	WC0114520	0.07	WC0114729	0.07	WC0114917	0.06	WC0114917	0.06				
			0.03		0.05		0.12		0.16		0.12		0.27						
		WC0113626	0.03	WC0114150	0.06	WC0114338	0.12	WC0114535	0.15	WC0114744	0.12	WC0114932	0.12	WC0114932	0.28				
			0.01		0.02		0.07		0.06		0.05		0.05						
		WC0113647	0.01	WC0114170	0.02	WC0114359	0.06	WC0114556	0.06	WC0114765	0.04	WC0114953	0.04	WC0114953	0.05				
			0.01		0.05		0.15		0.13		0.13		0.27						
		WC0113622	<0.01	WC0114186	0.05	WC0114374	0.15	WC0114571	0.13	WC0114780	0.13	WC0114968	0.13	WC0114968	0.27				
			0.02		0.06		0.07		0.07		0.06		0.06						
		WC0114019	0.02	WC0114220	0.07	WC0114429	0.07	WC0114617	0.06	WC0114819	0.06	WC0115009	0.06	WC0115009	0.06				
			0.05		0.09		0.12		0.16		0.22		0.16						
		WC0114034	0.05	WC0114235	0.09	WC0114444	0.11	WC0114632	0.17	WC0114834	0.22	WC0115024	0.22	WC0115024	0.16				
			0.01		0.04		0.07		0.06		0.07		0.07						
		WC0114055	0.01	WC0114256	0.05	WC0114465	0.07	WC0114653	0.06	WC0114855	0.07	WC0115045	0.07	WC0115045	0.07				
			0.01		0.09		0.20		0.14		0.15		0.15						
WC0114071	0.01	WC0114271	0.09	WC0114480	0.21	WC0114668	0.14	WC0114870	0.15	WC0115146	0.15	WC0115146	0.15						

Total: 50

Total: 46

Total: 46

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	RT0110005	106	RT0110009	101	RT0110011	96	RT0110016	93	RT0110022	105	RT0110026	86
	RT0110105	116	RT0110109	105	RT0110111	91	RT0110116	91	RT0110122	102	RT0110126	94
	RT0110205	106	RT0110209	105	RT0110211	95	RT0110216	95	RT0110222	101	RT0110226	88
	RT0110305	110	RT0110309	105	RT0110311	86	RT0110316	94	RT0110322	109	RT0110326	89
	RT0110008	108	RT0110010	109	RT0110015	90	RT0110018	95	RT0110023	90	RT0110029	91
	RT0110108	107	RT0110110	114	RT0110115	96	RT0110118	106	RT0110123	112	RT0110129	90
	RT0110208	106	RT0110210	111	RT0110215	96	RT0110218	98	RT0110223	96		
RT0110308	112	RT0110310	116	RT0110315	94	RT0110318	92	RT0110323	106			
Total Inorganic Nitrogen (as Nitrite + Nitrate) mg/L	RT0110005	101.2	RT0110208	97.4	RT0110012	103.0	RT0110117	107.7	RT0110023	100.5	RT0110226	101.9
	RT0110105	101.2	RT0110009	103.8	RT0110112	97.5	RT0110217	107.7	RT0110123	95.0	RT0110029	95.6
	RT0110205	100.2	RT0110109	101.0	RT0110015	96.9	RT0110018	96.4	RT0110223	101.9	RT0110129	101.1
	RT0110305	100.2	RT0110209	105.1	RT0110115	95.5	RT0110118	97.7	RT0110024	97.2	RT0110229	95.6
	RT0110205	116.3	RT0110010	108.8	RT0110215	108.2	RT0110218	107.5	RT0110124	100.0	RT0110030	94.2
	RT0109305	118.0	RT0110110	93.8	RT0110016	106.1	RT0110022	96.8	RT0110224	101.4	RT0110130	96.9
	RT0109308	104.0	RT0110011	95.8	RT0110116	96.3	RT0110122	101.0	RT0110026	94.7		
RT0109408	104.0	RT0110130	94.2	RT0110018	102.1	RT0110222	103.8	RT0110126	101.9			

Total: 46

Total: 46

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	QC ID	Measured Value
Suspended Solids mg/L	8.9 - 10.3	QC0101004	9.9	QC0110308	9.8	QC0110011	10.3	QC0110016	10.1	QC0110022	9.7	QC0110026	10.0	QC0110030	9.7
		QC0110104	9.7	QC0110008	9.9	QC0110111	9.6	QC0110116	9.4	QC0110122	9.6	QC0110126	9.3	QC0110130	9.6
		QC0110204	9.8	QC0110108	9.6	QC0110211	9.9	QC0110216	9.9	QC0110222	9.4	QC0110226	9.3		
		QC0110304	9.6	QC0110208	9.1	QC0110311	9.7	QC0110316	9.4	QC0110322	9.7	QC0110326	9.4		
		QC0110404	9.2	QC0110009	9.7	QC0110015	9.6	QC0110018	9.3	QC0110023	9.8	QC0110029	9.7		
		QC0110504	10.1	QC0110109	9.7	QC0110115	9.1	QC0110118	9.3	QC0110123	9.7	QC0110129	9.4		
		QC0110604	10.1	QC0110209	9.6	QC0110215	10.2	QC0110218	9.2	QC0110223	9.6	QC0110229	9.5		
		QC0110704	9.5	QC0110309	9.7	QC0110315	9.3	QC0110318	9.7	QC0110323	9.8	QC0110329	9.6		
Unionized Ammonia (as Ammonia) mg/L	0.09 - 0.12	QC0110005	0.12	QC0110009	0.10	QC0110011	0.10	QC0110016	0.09	QC0110022	0.10	QC0110026	0.09		
		QC0110105	0.11	QC0110109	0.10	QC0110111	0.11	QC0110116	0.09	QC0110122	0.10	QC0110126	0.09		
		QC0110229	0.09	QC0110209	0.11	QC0110211	0.11	QC0110216	0.10	QC0110222	0.10	QC0110226	0.10		
		QC0110305	0.11	QC0110309	0.11	QC0110311	0.11	QC0110316	0.10	QC0110322	0.10	QC0110326	0.09		
		QC0110008	0.11	QC0110010	0.11	QC0110015	0.10	QC0110018	0.10	QC0110023	0.10	QC0110029	0.09		
		QC0110108	0.11	QC0110110	0.11	QC0110115	0.10	QC0110118	0.10	QC0110123	0.10	QC0110129	0.09		
		QC0110329	0.09	QC0110210	0.12	QC0110215	0.10	QC0110218	0.10	QC0110223	0.10				
		QC0110308	0.11	QC0110310	0.11	QC0110315	0.10	QC0110318	0.10	QC0110323	0.10				
Total Inorganic Nitrogen (as Nitrite and Nitrate) mg/L	0.36 - 0.44	QC0110005	0.40	QC0110208	0.39	QC0110012	0.40	QC0110117	0.38	QC0110023	0.40	QC0110226	0.41		
		QC0110105	0.39	QC0110009	0.39	QC0110112	0.40	QC0110217	0.38	QC0110123	0.40	QC0110029	0.40		
		QC0110205	0.38	QC0110109	0.38	QC0110015	0.40	QC0110018	0.39	QC0110223	0.40	QC0110129	0.39		
		QC0110305	0.38	QC0110209	0.38	QC0110115	0.40	QC0110118	0.38	QC0110024	0.41	QC0110229	0.40		
		QC0110205	0.38	QC0110010	0.39	QC0110215	0.41	QC0110218	0.38	QC0110124	0.40	QC0110030	0.40		
		QC0109305	0.38	QC0110110	0.40	QC0110016	0.40	QC0110022	0.41	QC0110224	0.40	QC0110130	0.40		
		QC0109308	0.38	QC0110011	0.39	QC0110116	0.39	QC0110122	0.39	QC0110026	0.40				
		QC0109408	0.38	QC0110111	0.40	QC0110018	0.39	QC0110222	0.39	QC0110126	0.40				

Total: 50

Total: 46

Total: 46

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	Sample ID	Measured Value	Sample ID	Measured Value		
Suspended Solids mg/L	exceed 20%	WC0113671	13.3	WC0114079	10.3	WC0114195	12.1	WC0114280	9.4	WC0114383	10.1	WC0114489	13.0	WC0114580	8.4	WC0114677	11.9	WC0115250	8.2	WC0114879	9.1	WC0114977	11.8	WC0115069	8.1	WC0115155	7.8	WC0113672	7.7
			12.6		11.0		12.7		9.8		10.6		12.1		8.5		12.5		7.7		8.2		12.2		8.3		7.7		
		WC0113673	7.7	WC0114080	5.5	WC0114196	10.9	WC0114281	14.4	WC0114384	13.1	WC0114490	9.2	WC0114581	10.6	WC0115251	7.6	WC0114790	8.4	WC0114880	8.4	WC0114978	10.3	WC0115070	7.5	WC0115156	8.8	WC0113674	7.8
			7.8		5.6		10.3		11.8		12.8		8.9		9.8		7.7		7.8		11.8		9.2		7.5		9.3		
		WC0113675	7.7	WC0114081	12.5	WC0114197	9.5	WC0114282	9.8	WC0114385	13.3	WC0114491	10.8	WC0115252	11.8	WC0114679	25.2	WC0114791	25.2	WC0114881	15.3	WC0114979	10.6	WC0115071	12.1	WC0115157	10.4	WC0113676	7.2
			7.2		11.6		9.9		9.2		12.0		9.1		12.3		22.2		24.4		14.2		10.0		11.1		10.7		
		WC0113677	12.5	WC0114082	17.3	WC0114198	8.5	WC0114283	13.6	WC0115253	14.6	WC0114492	15.6	WC0114583	21.0	WC0114680	4.9	WC0114792	19.8	WC0114882	12.3	WC0114980	13.2	WC0115072	15.7	WC0115158	8.6	WC0113678	13.4
			13.4		16.7		7.9		13.8		16.2		14.9		20.9		5.4		18.4		11.7		12.6		15.3		8.1		
		WC0113679	7.7	WC0114083	15.7	WC0114199	11.3	WC0114284	13.6	WC0114387	14.5	WC0114493	11.4	WC0114584	17.1	WC0114681	13.3	WC0114793	19.8	WC0114883	11.0	WC0114981	10.4	WC0115073	9.7	WC0115159	8.4	WC0113680	8.2
			8.2		14.3		10.9		13.0		13.1		10.5		17.1		13.3		16.6		11.0		11.8		10.3		8.3		
		WC0113681	9.3	WC0114084	7.5	WC0114200	6.9	WC0114285	9.4	WC0114388	11.3	WC0114494	10.8	WC0114585	10.4	WC0114682	8.7	WC0114794	13.6	WC0114884	12.3	WC0114982	17.0	WC0115074	7.3	WC0113682	9.1		
			9.1		7.0		6.7		8.6		10.7		11.3		8.1		11.7		12.8		11.7		6.7		7.8				
		WC0113683	6.9	WC0114085	6.9	WC0114201	12.5	WC0114286	8.0	WC0114389	9.9	WC0114495	10.0	WC0114586	17.2	WC0114683	15.1	WC0114795	12.4	WC0114885	9.9	WC0114983	7.6	WC0115075	9.3	WC0113684	6.7		
			6.7		7.6		13.5		7.7		9.3		9.7		16.6		14.3		13.4		10.6		10.1		9.3				
		WC0113685	15.7	WC0114086	10.7	WC0114202	13.1	WC0114287	6.4	WC0114390	12.5	WC0114496	7.6	WC0114587	7.8	WC0114684	8.5	WC0114796	21.2	WC0114886	17.3	WC0114984	10.0	WC0115076	9.3	WC0113686	16.6		
			16.6		11.7		15.1		6.0		12.5		7.8		7.6		8.7		21.8		18.6		9.2		8.7				
		WC0113687	0.003	WC0114079	0.006	WC0114195	0.005	WC0114280	0.012	WC0114383	0.002	WC0114489	0.002	WC0115250	0.001	WC0115248	0.002	WC0115162	<0.001	WC0114879	0.001	WC0114977	0.002	WC0115069	0.001	WC0113688	0.001		
			0.001		0.001		0.001		0.004		0.001		<0.001		0.002		0.001		<0.001		<0.001		<0.001		0.001		<0.001		
		WC0113689	0.001	WC0114080	0.001	WC0115252	0.001	WC0114281	0.004	WC0114384	<0.001	WC0114490	<0.001	WC0114581	0.002	WC0114678	0.001	WC0114790	<0.001	WC0114880	<0.001	WC0114978	<0.001	WC0115070	<0.001	WC0113690	0.001		
			0.001		0.001		0.002		0.016		0.002		0.004		0.002		<0.001		<0.001		<0.001		0.001		<0.001				
		WC0113691	0.001	WC0114081	0.001	WC0114197	0.003	WC0114282	0.016	WC0114385	0.002	WC0114491	0.004	WC0114582	0.002	WC0114679	0.003	WC0114791	0.002	WC0114881	<0.001	WC0114979	<0.001	WC0115075	0.001	WC0113692	0.001		
			0.002		0.005		0.002		0.010		0.001		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001		0.001				
		WC0113693	0.002	WC0114082	0.005	WC0114198	0.002	WC0114283	0.010	WC0114386	0.001	WC0114492	<0.001	WC0114583	<0.001	WC0114680	<0.001	WC0114792	<0.001	WC0114882	0.001	WC0114980	<0.001	WC0115076	0.001	WC0113694	0.001		
			0.003		0.007		0.004		0.011		0.003		<0.001		<0.001		<0.001		0.001		0.001		<0.001		0.001				
		WC0113695	0.003	WC0114083	0.007	WC0114199	0.004	WC0114284	0.011	WC0114387	0.003	WC0114493	<0.001	WC0115249	0.001	WC0115247	0.001	WC0115161	0.001	WC0114883	0.001	WC0114981	0.001	WC0113696	0.001				
			0.001		0.001		<0.001		0.002		0.001		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001				
		WC0115253	<0.001	WC0114084	0.001	WC0115251	<0.001	WC0114285	0.002	WC0114388	0.001	WC0114494	<0.001	WC0114585	<0.001	WC0114682	<0.001	WC0114794	<0.001	WC0114884	0.001	WC0114982	<0.001	WC0113698	<0.001				
			0.001		0.001		0.002		0.012		0.002		<0.001		0.002		0.003		0.002		<0.001		<0.001		<0.001				
WC0113677	0.001	WC0114085	0.001	WC0114201	0.002	WC0114286	0.012	WC0114389	0.002	WC0114495	0.002	WC0114586	0.002	WC0115246	0.003	WC0114795	0.002	WC0114885	<0.001	WC0114983	<0.001	WC0113679	0.001						
	0.001		0.001		0.004		0.001		0.002		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001						
WC0113678	0.001	WC0114086	<0.001	WC0114202	0.004	WC0114287	<0.001	WC0114390	0.002	WC0114496	<0.001	WC0114587	<0.001	WC0114684	<0.001	WC0114796	<0.001	WC0114886	<0.001	WC0114984	<0.001	WC0113680	0.12						
	0.13		0.11		0.10		0.16		0.15		0.18		0.08		0.10		0.12		0.27		0.17		0.12						
WC0113671	0.13	WC0114079	0.11	WC0114195	0.10	WC0114280	0.16	WC0114383	0.15	WC0114489	0.17	WC0115252	0.07	WC0115250	0.10	WC0115248	0.13	WC0114879	0.28	WC0114977	0.19	WC0115069	0.12	WC0113672	0.02				
	0.2		0.03		0.04		0.09		0.06		0.07		0.09		0.07		0.07		0.06		0.07								
WC0113672	0.02	WC0114080	0.03	WC0114196	0.03	WC0114281	0.09	WC0114384	0.07	WC0114490	0.07	WC0114581	0.13	WC0114678	0.09	WC0114790	0.08	WC0114880	0.07	WC0114978	0.06	WC0115070	0.07	WC0113673	0.03				
	0.03		0.03		0.07		0.22		0.08		0.18		0.16		0.20		0.05		0.06		0.08								
WC0115253	0.03	WC0114081	0.03	WC0114197	0.08	WC0114282	0.22	WC0114385	0.09	WC0114491	0.19	WC0114582	0.24	WC0114679	0.16	WC0114791	0.20	WC0114881	0.05	WC0114979	0.07	WC0115071	0.09	WC0113674	0.07				
	0.07		0.10		0.08		0.20		0.09		0.13		0.03		0.04		0.01		0.25		0.29		0.20						
WC0113674	0.07	WC0114082	0.11	WC0114198	0.08	WC0114283	0.20	WC0114386	0.10	WC0114492	0.14	WC0114583	0.03	WC0114680	0.04	WC0114792	0.01	WC0114882	0.26	WC0114980	0.29	WC0115072	0.20	WC0113675	0.07				
	0.07		0.14		0.09		0.16		0.16		0.12		0.05		0.13		0.05		0.15		0.18								
WC0113676	0.08	WC0114083	0.14	WC0114199	0.09	WC0114284	0.15	WC0114387	0.16	WC0114493	0.12	WC0115251	0.04	WC0115249	0.14	WC0115247	0.05	WC0114883	0.14	WC0114981	0.19	WC0113676	0.03						
	0.03		0.02		0.04		0.05		0.08		0.04		0.05		0.05		0.07		0.06										
WC0113677	0.02	WC0114084	0.02	WC0114200	0.04	WC0114285	0.05	WC0114388	0.07	WC0114494	0.07	WC0114585	0.04	WC0114682	0.05	WC0114794	0.05	WC0114884	0.07	WC0114982	0.07	WC0113677	0.02						
	0.02		0.02		0.05		0.17		0.10		0.08		0.12		0.20		0.06		0.05										
WC0113678	0.02	WC0114085	0.02	WC0114201	0.05	WC0114286	0.17	WC0114389	0.11	WC0114495	0.08	WC0114586	0.14	WC0114683	0.14	WC0114795	0.21	WC0114885	0.06	WC0114983	0.06	WC0113678	0.02						
	0.02		0.03		0.11		0.04		0.19		0.09		0.02		0.04		0.01		0.15		0.27								
WC0113679	0.02	WC0114086	0.03	WC0114202	0.12	WC0114287	0.04	WC0114390	0.20	WC0114496	0.09	WC0114587	0.02	WC0114684	0.03	WC0114796	0.01	WC0114886	0.15	WC0114984	0.27	WC0113679	0.02						
	0.02		0.03		0.12		0.04		0.20		0.09		0.02		0.03		0.15		0.27										

Total: 101

Total: 92

Total: 92