

Appendix F

The QA/QC Procedures and Results

HIGH VOLUME AIR SAMPLER
SITE VISIT LOG SHEET

Site Name: R-E Site No.: Am1
 Date of visit: 16-11-2005 Hour of Visit: 11:15
 Staff name: W. L. MAK/HKTSANG HVAS S/N: 2198
 Used filter paper no.: LS85 New filter paper no.: LS87
 Type of filter: Glass-fibre

I. Ambient Conditions

Temperature, $T_a = 273 + 24.4$ K Pressure, $P_a = 1015$ mb

II. Correction of manometer reading

Calibration orifice No.	Manometer reading at site conditions corresponds to $Q_{STD} = 40$ ft ³ /min. (inch H ₂ O)
1535(09/2005)	$\Delta H_a = 19.29(T_a/P_a) = 5.65$

Manometer reading before calibration: 5.60"
 Adjustment of flow controller (Y/N): N
 Manometer reading after calibration: 5.60"

Note: Tolerance Limit of HVAS flow: ± 1.0 ft³/min. Corresponding limits for manometer : ± 0.2 inch H₂O

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: 16-11-2005 Hour of Visit: 10.35
 Staff name: W. L. MAK/HK TSM₀₅ HVAS S/N: 2195
 Used filter paper no.: LS86 New filter paper no.: LS88
 Type of filter: Glass-fibre

I. Ambient Conditions

Temperature, $T_a = 27.3 \pm 2.5$ °K Pressure, $P_a = 1019$ mb

II. Correction of manometer reading

Calibration orifice No.	Manometer reading at site conditions corresponds to $Q_{STD} = 40$ ft ³ /min. (inch H ₂ O)
1535(09/2005)	$\Delta H_a = 19.29(T_a/P_a) = 5.64$

Manometer reading before calibration: 5.70"
 Adjustment of flow controller (Y/N): N
 Manometer reading after calibration: 5.70"

Note: Tolerance Limit of HVAS flow: ± 1.0 ft³/min. Corresponding limits for manometer : ± 0.2 inch H₂O

III. General Conditions of HVAS

IV. Remarks

PARTISOL TSP SAMPLER
SITE VISIT LOG SHEET

Site Name: A - L Site Number: AM 3
Date of Visit: 16-11-2005 Hour of Visit: 10.00
Staff Name: W. L. MAK Partisol S/N: 2000B207550410
Used Filter No.: PC 86 New Filter No.: PC 87
Ambient temperature: 24.1° Ambient pressure: 1003

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 $\pm 2^{\circ}\text{C}$)
24.2 °C Before Calibration: Y / (N) After _____ °C
2. Pressure Check (Ambient pressure ± 20 mbar)(factor = 0.000987)
1019 mbar Before Calibration: Y / (N) After _____ mbar
3. Flow Check (16.7 \pm 1.1 litre/min)
16.6 l/min Before Calibration: Y / (N) After _____ l/min

III. Remarks

MINI VOLUME AIR SAMPLER

SITE VISIT LOG SHEET

Site Name: TYV Site No.: 1744

Date of visit: 16-11-05 Hour of Visit: 10:20

Staff name: H.K. TSANG MINIVOL S/N: 3313

Used filter paper no.: MH 74 New filter paper no.: 1747A

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
4.160 Before 5.0 After

II. General Service of Mini Vol Air Sampler

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

III. Remarks

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

Location Ash Lagoon/~~Ching Lam~~*

Date 10-11-2005 Time 11:30

Equipment Rion NA-27/~~B&K 2238F~~* Sound Level Meter

Serial Number ~~00111465/00111466/00111467/2343838/2356907~~*

Staff Attended W. L. MAK

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

Note: * - Please delete where inappropriate

Equipment Calibration Record for November 2005

Site: Civil works for 275kV Cable Route from Lamma Island to Cyberport

Noise Equipment Used: RION NL – 31

Calibrator Used: RION NC – 74

Measurement Location: N4 – Pak Kok Tsui No. 2

Date	Calibration Level before Measurement (dB(A))	Calibration Level after Measurement (dB(A))	Calibrated by
01/11/2005	94.0	94.0	Anthony Wong
04/11/2005	94.0	94.0	Anthony Wong
08/11/2005	94.0	94.0	Anthony Wong
11/11/2005	94.0	94.0	Anthony Wong
15/11/2005	94.0	94.0	Anthony Wong
18/11/2005	94.0	94.0	Anthony Wong
22/11/2005	94.0	94.0	Anthony Wong
25/11/2005	94.0	94.0	Anthony Wong
29/11/2005	94.0	94.0	Anthony Wong

Measurement Location: N5 – Pak Kok Tsui No. 8

Date	Calibration Level before Measurement (dB(A))	Calibration Level after Measurement (dB(A))	Calibrated by
01/11/2005	94.0	94.0	Anthony Wong
04/11/2005	94.0	94.0	Anthony Wong
08/11/2005	94.0	94.0	Anthony Wong
11/11/2005	94.0	94.0	Anthony Wong
15/11/2005	94.0	94.0	Anthony Wong
18/11/2005	94.0	94.0	Anthony Wong
22/11/2005	94.0	94.0	Anthony Wong
25/11/2005	94.0	94.0	Anthony Wong
29/11/2005	94.0	94.0	Anthony Wong

Note: Measurement accepted as valid only if the calibration levels from before and after the noise measurement agreed to within 1.0 dB.