



AUES PROJECT NO.: TCS/00684/13

WSD CONTRACT NO. 1/WSD/13 -
IMPROVEMENT OF FRESH WATER SUPPLY TO
CHEUNG CHAU

BASELINE MONITORING REPORT

PREPARED FOR
CHINA ROAD- CHINA PIPELINE JOINT VENTURE

Quality Index

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Attention: Mr. Ernest CHAN

Dear Sir

Contract No. 1/WSD/13
Independent Environmental Checker Services for
Improvement of Freshwater Supply to Cheung Chau
Baseline Monitoring Report

Reference is made to the *Baseline Monitoring Report (Rev. 2 Ref No: TCS00684/13/600/R0014)* dated 21 February 2014 submitted by the Environmental Team via their e-mail on 24 February 2014.

We are pleased to inform you that we have no further comment on the captioned document. We herewith verify that the Baseline Monitoring Report is prepared in accordance with Condition 5.3 of Environmental Permit No. EP-392/2010.

Thank you very much for your kind attention. Please do not hesitate to contact the undersigned should you have any queries.

Yours faithfully
For and on behalf of
SMEC Asia Limited



Vivian CHAN
Independent Environmental Checker

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EXECUTIVE SUMMARY

- ES.01 Water Supplies Department (hereafter referred as “WSD”) is the Project Proponent and the Permit Holder of *Improvement of Fresh Water Supply to Cheung Chau* (hereinafter referred as “the Project”), which is a Designated Project to be implemented under Environmental Permit number EP-392/2010 (hereinafter referred as “the EP-392/2010” or “the EP”).
- ES.02 Action-United Environmental Services & Consulting (hereinafter referred as “AUES”) has been commissioned as the Environmental Team for the Project (hereinafter referred as “the ET”) to perform relevant EM&A programme, including baseline and impact environmental monitoring in accordance with the EM&A Manual approved under the Environmental Impact Assessment Ordinance (EIAO).
- ES.03 According to the Approved EM&A Manual, only noise and water quality monitoring should be required to be monitored during the construction phase of the Project. Pursuant to the EP, baseline environmental monitoring is required to be conducted prior to commencement of the construction works under the Project. For the EP stipulation, baseline monitoring including continuous noise and water quality was conducted from **4 January to 31 January 2014**. During the baseline monitoring period, no construction activities under the Project or other external influencing factors of significant concern were observed.
- ES.04 This report summarizes the key findings and presents the process and rationale behind determining a set of Action and Limit Levels (A/L Levels) of construction noise and water quality based on the baseline data. These A/L Levels will serve as the yardsticks for assessing the acceptability of the environmental impact during construction phase of the Project Works impact monitoring. They are statistical in nature and derived according to the criteria set out in the Approved EM&A Manual.
- ES.05 Results of the derived Action and Limit Levels for the construction noise and water quality are given in **Tables ES-1 and ES-2** as follows.

Table ES-1 Action and Limit Levels of Construction Noise Monitoring

Monitoring Location	Action Level	Limit Level in dB(A)
	Time Period: 0700-1900 hours on normal weekdays	
N1	When one or more documented complaints are received	75 dB(A)

Remarks: If works are to be carried out during restricted hours, the conditions stipulated in the construction noise permit issued by the NCA have to be followed.

Table ES-2 Action and Limit Levels of Water Quality Monitoring

Impact Station	Dissolved Oxygen (mg/L)				Depth Average of Turbidity (NTU)		Depth Average of SS (mg/L)	
	Depth Average of Surface & Middle		Bottom		Action Level	Limit Level	Action Level	Limit Level
	Action Level	Limit Level	Action Level	Limit Level				
W1	5.64	4.54	NA	NA	5.87	8.81	7.00	8.00
W2	5.16	5.02	NA	NA	5.50	5.66	7.00	8.00
W3	6.18	5.66	5.36	5.05	7.17	12.90	8.00	17.00
W4	5.94	4.95	5.71	5.54	7.50	8.03	7.85	11.57
W5	5.14	5.00	5.79	5.79	5.44	7.43	6.00	6.43
W6	5.92	4.26	6.04	4.49	6.82	7.10	8.00	9.59
W7	6.08	5.78	6.08	5.60	5.71	6.26	7.85	10.00

- ES.06 In cases where exceedance of these criteria occurs, actions should be carried out in accordance with the Event Action Plan as shown the Approved EM&A Manual.

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1.0 INTRODUCTION

PROJECT BACKGROUND

- 1.01 Action-United Environmental Services and Consulting (AUES) has been appointed as the independent environmental team (ET) to implement the relevant EM&A programme of Water Supplies Department (WSD) Contract No. *1/WSD/13 – Improvement of Fresh Water Supply to Cheung Chau*. In the Project, **China Road - China Pipeline Joint Venture** (hereinafter “CRCPJV”) is a main-contractor, SMEC Asia Limited as an Independent Environmental Checker (IEC), and Black & Veatch Hong Kong Limited is the representative engineer on site to manage the Project.
- 1.02 The scope of the works comprises primarily the laying of a new submarine fresh water main across the Adamasta Channel from Lantau Island to Cheung Chau by horizontal directional drilling method to enhance the reliability of fresh water supply to Cheung Chau. The Works is predicted to be undertaken about 24 months. The layout plan of project is shown in *Appendix A*.
- 1.03 As part of the EM&A program, baseline monitoring is required to determine the ambient environmental conditions. Therefore, baseline monitoring was carried out between **4 January** and **31 January 2014** for the aspect environmental parameters including noise and water quality before construction work commencement.
- 1.04 14 consecutive days of continuous noise monitoring requirement had been undertaken at the designated location N1 from **18 to 31 January 2014**; also a 4-weeks marine water quality monitoring had been carried out at nine locations as designated in the EM&A Manual from **4 to 29 January 2014**. During the baseline monitoring period, there were no construction activities of this project or other external influencing factors of significant concern observed by the ET.
- 1.05 This Baseline Monitoring Report presents the details of the baseline study including project background, monitoring methodology, monitoring results, summary of findings, and Action/Limit (A/L) Levels established for subsequent use in the Project construction phase EM&A program.

REPORT STRUCTURE

- 1.06 The Baseline Monitoring Report is structured into the following sections:-

Section 1	Introduction
Section 2	Summaries of Baseline Monitoring Requirement.
Section 3	Baseline Monitoring Methodology
Section 4	Baseline Monitoring Results
Section 5	Conclusion and Recommendation

2.0 SUMMARY OF BASELINE MONITORING REQUIREMENT

GENERAL

- 2.01 The Environmental Monitoring and Audit requirements are set out in the Approved EM&A manual. Environmental aspects such as the construction noise and marine water quality were identified as the key issues during the construction phase of the Project.
- 2.02 This report presents the results obtained during the baseline monitoring program of noise and marine water between **4 and 31 January 2014**. A summary of the baseline EM&A requirements for noise and water monitoring are presented in the sub-sections below.

MONITORING PARAMETERS

- 2.03 The EM&A baseline monitoring program shall cover the following environmental issues:
- Construction noise; and
 - Water quality.
- 2.04 A summary of the monitoring parameters is presented in *Table 2-1*:

Table 2-1 Summary of the monitoring parameters of EM&A Requirements

Environmental Issue	Parameters
Water Quality	In-situ Measurements <ul style="list-style-type: none"> • Dissolved Oxygen Concentration (mg/L); • Dissolved Oxygen Saturation (%); • Turbidity (NTU); • pH value; • Salinity (ppt); • Water depth (m); • Temperature (°C); and • Total residual chlorine (TRC) (mg/L)
	Laboratory Analysis <ul style="list-style-type: none"> • Suspended Solids (mg/L)
Noise	<ul style="list-style-type: none"> • $L_{eq(30min)}$ during normal working hours; and • $L_{eq(5min)}$ during Restricted Hours.

DESIGNATED MONITORING LOCATION

Water Quality

- 2.05 According to the *EM&A Manual Section 2.5*, there have two control and seven impact stations were recommended to carry out water quality monitoring. The monitoring stations of the detailed and coordinate are described in *Table 2-2* and the graphical is shown in *Appendix B*.

Table 2-2 Location of Water Quality Monitoring Station

Station	Description	Co-ordinate	
		Easting	Northing
W1	Impact Station – Marine waters near the proposed launching site at Cheung Chau	820 704	808 688
W2	Impact Station – Marine waters near the proposed launching site at Cheung Chau	820 656	808 631
W3	Impact Station – Marine waters along the proposed water main alignment	820 445	809 036
W4	Impact Station – Marine waters along the proposed water main alignment	820 072	809 297
W5	Impact Station – Marine waters near the proposed reception site at Lantau	819 875	809 700
W6	Impact Station – Marine waters near the Cheung Sha Wan Fish Culture Zone	819 174	810 917

Station	Description	Co-ordinate	
		Easting	Northing
W7	Impact Station – Marine waters between the works and the Cheung Sha Wan Fish Culture Zone	820 055	810 523
W8	Control station – Marine waters of Adamasta Channel	821 328	810 240
W9	Control station – Marine waters of Adamasta Channel	819 045	807 953

Construction Noise

- 2.06 According to *EM&A Manual Section 6.4*, one noise sensitive receiver (NSR) is designated for the construction noise monitoring. The detailed construction noise monitoring station to under the Project is described in *Table 2-3* and graphical is shown in *Appendix B*.

Table 2-3 Location of Construction Noise Monitoring Station

Noise Monitoring Station	NSR ID	Location
N1	NSR2	Village house at No. 1A Tai Kwan Wan San Tsuen

MONITORING FREQUENCY AND PERIOD

- 2.07 Baseline monitoring to be carried out in the EM&A programme is basically in accordance with the requirements in *EM&A Manual Sections 2.6* and *6.5*. The monitoring requirements are listed as follows

Water Quality

Parameters: Duplicate in-situ measurements: water depth, temperature, Dissolved Oxygen, pH, turbidity and salinity;

HOKLAS-accredited laboratory analysis: Suspended Solids.

Frequency: Three days per week, at mid-ebb and mid-flood tides. The interval between 2 monitoring days will be more than 36 hours.

Sampling Depth: (i.) Three depths: 1m below water surface, 1m above sea bottom and at mid-depth when the water depth exceeds 6m.

(ii.) If the water depth is between 3m and 6m, two depths: 1m below water surface and 1m above sea bottom.

(iii.) If the water depth is less than 3m, 1 sample at mid-depth is taken

Duration: 4 weeks prior to the commencement of construction works

Noise

- 2.08 The baseline noise monitoring should be carried out continuous interval of 5 minutes for a period of at least two weeks before construction activities commencement. The A-weighted noise level L_{eq} , L_{10} and L_{90} will be recorded.

MONITORING EQUIPMENT

Water Quality Monitoring

- 2.09 **Dissolved Oxygen and Temperature Measuring Equipment** – The instrument should be a portable and weatherproof dissolved oxygen (DO) measuring instrument complete with cable and sensor, and use a DC power source. The equipment should be capable of measuring as included a DO level in the range of 0 – 20mg L⁻¹ and 0 – 200% saturation; and a temperature of 0 – 45 degree Celsius.
- 2.10 **pH Meter** – The instrument shall consist of a potentiometer, a glass electrode, a reference electrode and a temperature-compensating device. It shall be readable to 0.1 pH in arrange of 0 to 14.

- 2.11 **Turbidity (NTU) Measuring Equipment** – The instrument should be a portable and weatherproof turbidity measuring instrument using a DC power source. It should have a photoelectric sensor capable of measuring turbidity between 0 - 1000 NTU.
- 2.12 **Water Sampling Equipment** – A water sampler should comprise a transparent PVC cylinder, with a capacity of not less than 2 litres, which can be effectively sealed with latex cups at both ends. The sampler should have a positive latching system to keep it open and prevent premature closure until released by a messenger when the sampler is at the selected water depth.
- 2.13 **Water Depth Detector** – A portable, battery-operated echo sounder should be used for the determination of water depth at each designated monitoring station. This unit can either be hand held or affixed to the bottom of the work boat.
- 2.14 **Salinity Measuring Equipment** – A portable salinometer capable of measuring salinity in the range of 0 - 40 parts per thousand (ppt) should be provided for measuring salinity of the water at each monitoring location.
- 2.15 **Sample Containers and Storage** – Water samples for SS should be stored in high density polythene bottles with no preservative added, packed in ice (cooled to 4°C without being frozen).
- 2.16 **Monitoring Position Equipment** - A hand-held or boat-fixed type Digital Global Positioning System (DGPS) with way point bearing indication and Radio Technical Commission for maritime (RTCM) Type 16 error message ‘screen pop-up’ facilities (for real-time auto-display of error messages and DGPS corrections from the Hong Kong Hydrographic Office), or other equipment instrument of similar accuracy, should be provided and used during marine water monitoring to ensure the monitoring vessel is at the correct location before taking measurements.
- 2.17 **Suspended Solids Analysis** – Analysis of suspended solids shall be carried out in a HOKLAS or other international accredited laboratory.

Noise Monitoring

- 2.18 Sound level meter in compliance with the International Electrotechnical Commission Publications 651: 1979 (Type 1) and 804: 1985 (Type 1) specifications shall be used for carrying out the noise monitoring. The sound level meter shall be checked using an acoustic calibrator.

DERIVATION OF ACTION/LIMIT (A/L) LEVELS

- 2.19 The baseline results form the basis for determining the environmental acceptance criteria for the impact monitoring. A summary of derivation of Action/Limit (A/L) Levels for water quality and construction noise are shown in **Table 2-4** and **2-5** respectively.

Table 2-4 Derivation of Action and Limit Levels for Water Quality

Parameters	Action	Limit
DO in mg/L (Surface, Middle and Bottom)	<u>Surface and Middle</u> 5%-ile of baseline data for surface and middle layer <u>Bottom</u> 5%-ile of baseline data for bottom layer	<u>Surface and Middle</u> 4 mg/L or 1%-ile of baseline data for surface and middle layer <u>Bottom</u> 2 mg/L or 1%-ile of baseline data for bottom layer
Turbidity in NTU (depth-averaged)	95%-ile of baseline data or 120% of upstream and downstream control station’s turbidity at the same tide of the same day	99%-ile of baseline data or 130% of upstream and downstream control station’s turbidity at the same tide of the same day

Parameters	Action	Limit
SS in mg/ L (depth-averaged)	95%-ile of baseline data or 120% of upstream and downstream control station's SS at the same tide of the same day	99%-ile of baseline data or 130% of upstream and downstream control station's SS at the same tide of the same day

Notes:

- “Depth-averaged” is calculated by taking the arithmetic means of reading of all three depths;
- For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- For turbidity and SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.

Table 2-5 Derivation of Action and Limit Levels for Construction Noise

Time Period	Action Level in dB(A)	Limit Level in dB(A)
0700-1900 hours on normal weekdays	When one documented complaint is received	> 75* dB(A)

Note: * Reduces to 70 dB(A) for schools and 65 dB(A) during the school examination periods.

3.0 BASELINE MONITORING METHDOLOGY

3.01 The baseline monitoring program of continuous noise and marine water were conducted between **4 January** and **31 January 2014**. During the baseline monitoring period, there were no construction activities of this project or other external influencing factors of significant concern observed by the ET.

LOCATION OF BASELINE MONITORING

3.02 The Contractor and ET tried to contact the premises of the designated noise sensitive receiver N1-No.1A Village House Tai Kwan Wan San Tsuen for several times and unreachable. Therefore, alternative monitoring station was proposed by the ET and accepted by IEC. The alternative noise monitoring station light pole (no. VA6140) (hereafter referred as “N1a”) is located at a path and very close to the original noise sensitive receiver N1 (around 3m far). Moreover, the location of N1a is closer to site boundary than other village houses in Tai Kwai Wan San Tsuen. Accessible to carry out noise monitoring at any time and cause less disturbance to the occupants during impact monitoring.

3.03 Between 18 and 31 January 2014, baseline continuous noise monitoring has been undertaken at alternative noise monitoring station N1a; also a 4-week baseline water quality monitoring program has been carried out at nine locations designated in the EM&A Manual from 4 January 2014 to 29 January 2014. The detailed information of water quality monitoring stations to be referred to **Table 2-2**. Graphical plot of monitoring locations including noise and water quality show in **Appendix B**.

MONITORING EQUIPMENT AT BASELINE MONITORING

3.04 The monitoring equipment using for the EM&A program was proposed by ET and verified by prior of monitoring work commencement. The detail of equipment using for baseline monitoring is listed in **Table 3-1** as below.

Table 3-1 Monitoring Equipment Used in EM&A Program

Equipment	Model
Water quality	
A Digital Global Positioning System	GPS12 Garmin
Water Depth Detector	Eagle Fish ID128
Water Sampler	A 2-litre transparent PVC cylinder with latex cups at both ends
Thermometer & DO meter	YSI Model 6820 Multi-parameter Water Quality Monitoring System
pH meter	
Turbidimeter	
Salinometer	
Sample Container	High density polythene bottles (provided by laboratory)
Storage Container	‘Willow’ 33-litter plastic cool box with Ice pad
Suspended Solids	HOKLAS-accredited laboratory (ALS Technichem (HK) Pty Ltd)
Noise	
Integrating Sound Level Meter	B&K Type 2238
Calibrator	B&K Type 4231

3.05 Sound level meter listed above is complied with the International Electrotechnical Commission Publications 651: 1979 (Type 1) and 804: 1985 (Type 1) specifications, as recommended in Technical Memorandum (TM) issued under the Noise Control Ordinance (NCO).

BASELINE MONITORING PROCEDURES

Water Quality

3.06 Between 4 January 2014 and 29 January 2014, water quality baseline monitoring was conducted

at the all designated locations. The sampling procedures for in-situ measurements are presented below:

Sampling Procedures

- 3.07 A Global Positioning System (GPS) was used to ensure that the correct location was selected prior to sample collection. A portable, battery-operated echo sounder was used for the determination of water depth at each designated monitoring station.
- 3.08 The water sampler was lowered into the water body at a predetermined depth. The trigger system of the sampler was activated with a messenger. The opening ends of the sampler were then closed accordingly and water samples were collected.
- 3.09 The sample container was rinsed with a portion of the water sample. The water sample was transferred to the container, and sealed with a screw cap.
- 3.10 Before commencement of the sampling, general information such as the date and time of sampling and tidal condition as well as the personnel responsible for the monitoring were recorded on the monitoring field data sheet.
- 3.11 Time of mid-ebb and mid-flood tides for marine water monitoring, were determined based on the predicted values at Cheung Chau Station by the Hong Kong Observatory.
- 3.12 Water temperature, turbidity, dissolved oxygen, salinity, pH and water depth were measured in situ. All in-situ measurements and sampling conducted at three water depths such as 1m below water surface, mid-depth, and 1m from seabed are performed at W3, W4, W6, W7, W8 and W9 due to water depths over 6m. Since W1 and W2 of water depths is less than 3m, so in-situ measurements and sampling were only conducted at mid-depth. Moreover, W5 water depth was detected sometimes exceeding 3.0m and sometimes less than 3.0m. Therefore, in-situ measurements and sampling conducted at W5 was sometimes at 1m below water surface and 1m from seabed, and sometimes at mid-depth to according the EM&A water monitoring requirements.
- 3.13 At each sampling depth, two consecutive measurements of temperature, dissolved oxygen, salinity, turbidity and pH were measured at the sea. The Multi-Parameter Water Quality Sonde were retrieved out of the water after the first measurement and then re-deployed for the second measurement. Where the difference in the value between the first and second readings of each set was more than 25% of the value of the first reading, the reading was discarded and further readings were taken.
- 3.14 The Multi-parameter Water Quality Monitoring System was calibrated by HOKLAS accredited laboratory of three month interval. During baseline water quality monitoring, the equipment is within the valid period.

Laboratory Analysis

- 3.15 All water samples were delivered to ALS Technichem (HK) Pty Ltd (HOKLAS registration no. 66) carry out Suspended Solids (SS) analysis. SS testing was used HOKLAS accredited analytical methods namely ALS Method EA-025.

Noise

- 3.16 Period from 18 January 2014 to 31 January 2014, baseline noise monitoring has been performed at N1a. The baseline noise monitoring is carried out continuous interval of 5 minutes for two weeks.
- 3.17 All noise measurement was performed with the meter set to FAST response and on the A-weighted equivalent continuous sound pressure level (Leq).
- 3.18 Due to safety reason, the sound level meter was mounted on a light post at a height of about 1.5m as different from the EM&A Manual requirement and placed at the assessment point and oriented

such that the microphone is pointed to the site with the microphone facing perpendicular to the line of sight. A waterproof windshield was fitted for all measurements. A free-field situation was performed for the baseline monitoring. A façade correction +3dB(A) has been added in the below **Table 4-4** of Summaries of Noise Monitoring Results.

- 3.19 Prior baseline noise measurement, the accuracy of the sound level meter was checked using an acoustic calibrator generating a known sound pressure level at a known frequency. Regular checking conducted in baseline monitoring period. The calibration level from before and after the noise measurement agrees to within 1.0dB.
- 3.20 An acoustic calibrator and sound level meter used during baseline monitoring is within the valid period which calibrated per year.

DATA MANAGEMENT AND DATA QA/QC CONTROL

- 3.21 The baseline monitoring data were handled by the ET's in-house data recording and management system.
- 3.22 The monitoring data recorded in the equipment were downloaded directly from the equipment at the end of each monitoring day. The downloaded monitoring data were input into a computerized database properly maintained by the ET. The laboratory results were input directly into the computerized database and checked by personnel other than those who input the data.
- 3.23 For monitoring parameters that require laboratory analysis, the local laboratory was follow the QA/QC requirements as set out under the HOKLAS scheme for the relevant laboratory testing.

4.0 BASELINE MONITORING RESULTS

4.01 The baseline monitoring schedules are presented in *Appendix C* and the monitoring results are detailed in the following sub-sections.

RESULTS OF MARINE WATER QUALITY OF MONITORING

4.02 The baseline quality monitoring at nine (9) designated monitoring stations was performed a 4 weeks as between 4 January 2014 and 29 January 2014. The results at each designated monitoring station are presented in *Tables 4-1*.

Table 4-1 Details of Water Quality Monitoring Stations

Monitoring Station	Status	Water Depth, m			Co-ordnance	
		Min	Max	Ave.	East	North
W1	Impact Station	2.5	2.9	2.8	820 704	808 688
W2	Impact Station	2.5	2.9	2.8	820 656	808 631
W3	Impact Station	7.2	8.8	8.3	820 445	809 036
W4	Impact Station	8.0	8.8	8.4	820 072	809 297
W5	Impact Station	2.5	5.2	3.1	819 875	809 700
W6	Impact Station	5.1	8.6	7.6	819 174	810 917
W7	Impact Station	6.2	8.0	6.8	820 055	810 523
W8	Control Station	8.4	9.9	9.2	821 328	810 240
W9	Control Station	8.8	10.0	9.3	819 045	807 953

4.03 The monitoring results are summarized in *Tables 4-2*. Detailed monitoring results including in-situ measurements and laboratory analysis data are shown in *Appendix E*.

Table 4-2 Summary of Water Quality Monitoring Results

Dissolved Oxygen – Depth Average of Surface & Mid-depth (mg/L)	W1	W2	W3	W4	W5	W6	W7	W8	W9
5%-ile	5.64	5.16	6.18	5.94	5.14	5.92	6.08	4.96	4.99
1%-ile	4.54	5.02	5.66	4.95	5.00	4.26	5.78	4.18	4.37
Average	7.74	7.76	7.89	7.74	7.51	7.91	8.32	7.67	7.74
Min	4.51	4.97	5.59	4.91	4.98	4.15	5.53	4.18	4.29
Max	10.90	10.64	10.52	10.64	10.38	10.45	11.25	10.82	10.32
Dissolved Oxygen – Bottom Depth (mg/L)	W1	W2	W3	W4	W5	W6	W7	W8	W9
5%-ile	NA	NA	5.36	5.71	5.79	6.04	6.08	5.87	5.51
1%-ile	NA	NA	5.05	5.54	5.79	4.49	5.60	4.76	4.95
Average	NA	NA	7.90	7.92	6.96	8.21	8.43	7.98	7.95
Min	NA	NA	5.01	5.49	5.79	4.43	5.54	4.69	4.87
Max	NA	NA	10.60	10.81	8.56	10.73	11.36	11.16	10.33
Turbidity – Depth Average (NTU)	W1	W2	W3	W4	W5	W6	W7	W8	W9
95%-ile	5.87	5.50	7.17	7.50	5.44	6.82	5.71	7.68	10.80
99%-ile	8.81	5.66	12.90	8.03	7.43	7.10	6.26	8.73	13.90
Average	3.18	3.14	3.73	4.06	3.20	3.32	3.08	3.93	4.90
Min	0.70	0.60	0.80	0.60	1.10	0.80	0.60	0.40	1.00
Max	8.90	5.71	13.80	8.40	7.60	7.43	6.60	9.70	14.50

Suspended Solids – Depth Average (mg/L)	W1	W2	W3	W4	W5	W6	W7	W8	W9
95%-ile	7.00	7.00	8.00	7.85	6.00	8.00	7.85	6.00	13.70
99%-ile	8.00	8.00	17.00	11.57	6.43	9.59	10.00	9.14	22.56
Average	3.98	4.31	4.58	4.42	4.05	3.83	3.82	3.88	5.20
Min	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Max	8.00	8.00	17.00	13.00	7.00	10.00	10.00	10.00	26.00
Salinity (ppt)	W1	W2	W3	W4	W5	W6	W7	W8	W9
Min	32.47	32.39	32.48	31.73	32.65	30.74	31.62	30.64	30.64
Max	35.66	35.60	35.89	35.83	35.69	35.81	35.71	35.81	35.90
pH value (Unit)	W1	W2	W3	W4	W5	W6	W7	W8	W9
Min	7.83	7.86	7.68	7.68	8.01	7.86	7.75	7.99	7.31
Max	8.39	8.37	8.41	8.37	8.39	8.39	8.49	8.41	8.42

Action/Limit Levels for Water Quality

4.04 The Action and Limit Levels for water quality are illustrated in *Table 4-3*. The proposed environmental performance criteria are recommended according to *Table 2-4* of this report.

Table 4-3 Action and Limit Levels for Water Quality Monitoring

Monitoring Location	Dissolved Oxygen (mg/L)				Depth Average of Turbidity (NTU)		Depth Average of SS (mg/L)	
	Depth Average of Surface and Mid-depth		Bottom					
	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level
W1	5.64	4.54	NA	NA	5.87	8.81	7.00	8.00
W2	5.16	5.02	NA	NA	5.50	5.66	7.00	8.00
W3	6.18	5.66	5.36	5.05	7.17	12.90	8.00	17.00
W4	5.94	4.95	5.71	5.54	7.50	8.03	7.85	11.57
W5	5.14	5.00	5.79	5.79	5.44	7.43	6.00	6.43
W6	5.92	4.26	6.04	4.49	6.82	7.10	8.00	9.59
W7	6.08	5.78	6.08	5.60	5.71	6.26	7.85	10.00

Notes: The Proposed Action/Limit levels of DO are adopted to be used 5%-ile/1%-ile of baseline data; and
The Proposed Action/Limit Levels of Turbidity and SS are adopted to be used 95%-ile/99%-ile of baseline data.

RESULTS OF NOISE MONITORING

4.05 The baseline noise monitoring was undertaken between 18 January 2014 and 31 January 2014. The measurement data are shown in *Appendix F* and summarized in *Table 4-4*.

Table 4-4 Summaries of Noise Monitoring Results

Time Period	Parameter	Mean (*)	Max (*)	Min (*)
Normal Daytime 0700-1900	L _{eq5min}	58	76	47
	L _{Aeq30min}	59	71	52
Restricted Hours 1900-2300	L _{eq5min}	55	69	42
	L _{Aeq15min}	56	66	48
Restricted Hours 2300-0700 of next day	L _{eq5min}	53	62	45
	L _{Aeq15min}	54	62	47
Restricted Hours 0700-1900 holiday	L _{eq5min}	59	62	57
	L _{Aeq15min}	60	62	58

Note Figures refer to the measurement recorded at the designated station during the entire baseline period for general reference.

(*) A façade correction of +3dB(A) has been added according to acoustical principles and EPD guidelines.

Action/Limit Levels for Noise

4.06 The Action and Limit Levels for construction noise are illustrated in *Table 4-5*.

Table 4-5 Action and Limit Levels of Construction Noise Monitoring

Time Period	Action Level in dB(A)	Limit Level in dB(A)
0700-1900 hours on normal weekdays	When one documented complaint is received	> 75dB(A)

Remarks: If works are to be carried out during restricted hours, the conditions stipulated in the construction noise permit issued by the NCA have to be followed.

4.07 The meteorological data during the baseline monitoring period are summarized in *Appendix G*

DISCUSSION AND RECOMMENDATIONS

Water Quality

Environmental Performance Criteria of DO, SS, and Turbidity

4.08 The baseline suspended solids (SS) and turbidity levels reflect typical water quality at the monitoring locations during dry seasons (November to April next year). The established environmental performance criteria, i.e. Action & Limit Levels, are therefore applicable to the Event and Action Plan in Hong Kong during dry season immediately prior to the commencement of the construction activities of the Project. Similarly, this applies to dissolved oxygen (DO) which is influenced by the same seasonable changes as SS and turbidity.

4.09 It is important to point out that the baseline SS and turbidity conditions at the monitoring locations may differ significantly during raining, in particular under high tide flow conditions. Therefore, it is recommended to regularly review the water quality baseline conditions, in particular during season changes. The environmental performance criteria may need to be re-established if it is evident that the baseline conditions have changed significantly. An updated baseline data should then be sought for re-establishment of the updated environmental performance criteria for the Event and Action Plan to be smoothly implemented.

5.0 CONCLUSIONS AND RECOMMENDATIONS

CONCLUSIONS

- 5.01 The baseline monitoring program was carried out during the period between 4 January 2014 and 31 January 2014 at the designated monitoring locations by the ET according to the EM&A Manual. During the baseline monitoring, there were no construction activities undertaken under this Project.
- 5.02 Based on the baseline monitoring results, the recommended environmental performance criteria for water quality and construction noise are summarized as follows:

Recommended Action & Limit Levels of Water Quality								
Monitoring Location	Dissolved Oxygen (mg/L)				Depth Average of Turbidity (NTU)		Depth Average of SS (mg/L)	
	Depth Average of Surface and Mid-depth		Bottom					
	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level
W1	5.64	4.54	NA	NA	5.87	8.81	7.00	8.00
W2	5.16	5.02	NA	NA	5.50	5.66	7.00	8.00
W3	6.18	5.66	5.36	5.05	7.17	12.90	8.00	17.00
W4	5.94	4.95	5.71	5.54	7.50	8.03	7.85	11.57
W5	5.14	5.00	5.79	5.79	5.44	7.43	6.00	6.43
W6	5.92	4.26	6.04	4.49	6.82	7.10	8.00	9.59
W7	6.08	5.78	6.08	5.60	5.71	6.26	7.85	10.00

Notes:

- 1) The Proposed Action/Limit levels of DO are adopted to be used 5%-ile/1%-ile of baseline data; and
- 2) The Proposed Action/Limit Levels of Turbidity and SS are adopted to be used 95%-ile/99%-ile of baseline data.

Recommended Action & Limit Levels of Construction Noise		
Monitoring Location	Action Level	Limit Level
	0700-1900 hours on normal weekdays	
N1	When one or more documented complaints are received	75 dB(A) of Leq(30min) during normal hours from 0700 to 1900 hours on normal weekdays

Remarks: If works are to be carried out during restricted hours, the conditions stipulated in the construction noise permit issued by the NCA have to be followed.

RECOMMENDATIONS

- 5.03 The baseline monitoring of noise and water quality was conducted during typical dry seasonal (November to April next year) in Hong Kong. It is important to note that influence of seasonal changes should be taken into account when interpreting monitoring data obtained during wet season. Review of the baseline conditions may need to be conducted regularly, in particular during seasonal changes. If the changes in baseline conditions are evident, the environmental performance criteria should be re-established by agreement of the ER and IEC and submitted for EPD endorsement.

Appendix A

Project Site Layout Plan

MAP NOS.
 14NW8D, 14NW6C, 14NW13B, 14NW14A,
 14NW14B, 14NW14D, 14NW15A & 14NW15C

NOTES:
 1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
 DRAWING REFERENCE NOS. 382902/B/TEN/00001
 TO 00005.
 2. REFER TO DRAWING REFERENCE NO.
 382902/B/TEN/00001 FOR GENERAL NOTES, LEGEND
 AND ABBREVIATIONS.

ISSUE FOR TENDER	HL	TL	KIL	W.S.
A 04/13				

編號	日期	描述	設計	校核	校核	批准
No.	Date	Description of revision	Des'd	Ch'd	Rev'd	App'd

REVISIONS	修訂	姓名	簽署	Initial	日期	Date
設計	Designed	HL			04/13	
繪圖	Drawn	SZ			04/13	
核對	Checked	TL			04/13	
校核	Verified	KIL			04/13	
批准	Approved					

合約編號
 Contract No. 1/WSD/13

合約條款
 Agreement No. CE 52/2009 (WS)

合約名稱
 Contract title IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU

圖則名稱
 Drawing title PORTION OF WORKS - CHEUNG CHAU, ADAMASTA CHANNEL, LANTAU ISLAND (KEY PLAN)

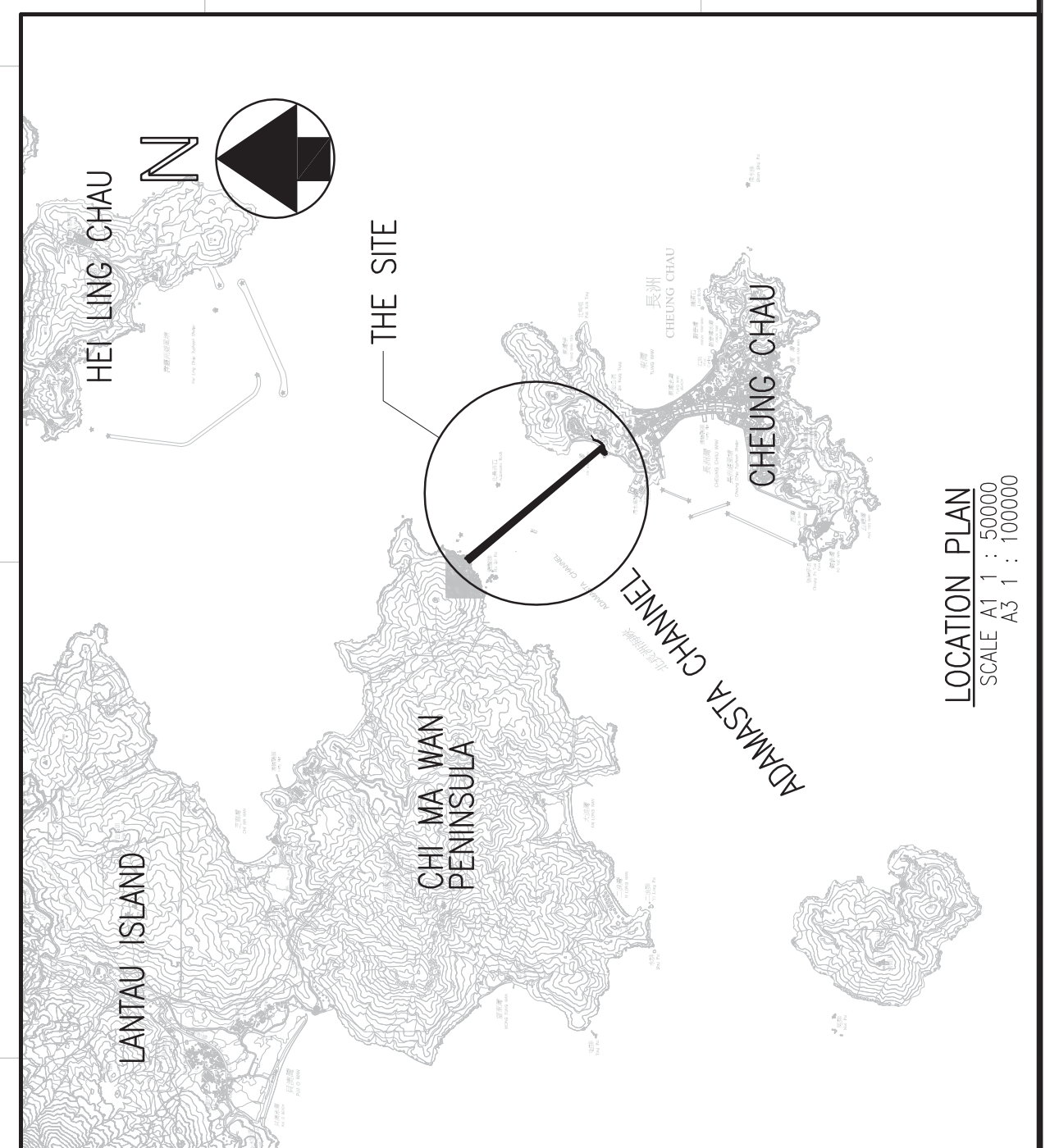
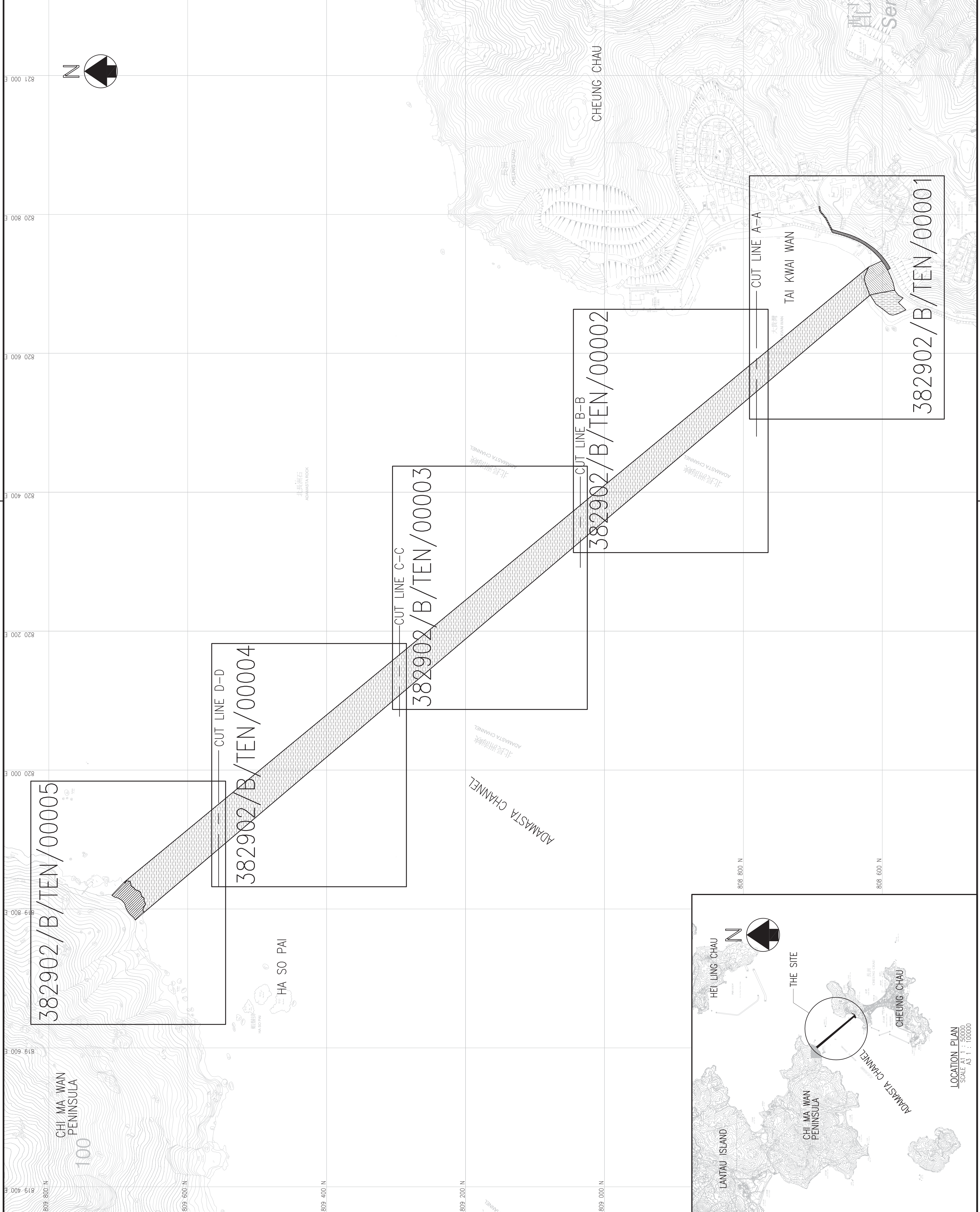
圖則參考編號
 Drawing Reference No. 382902/B/TEN/00001K

合約圖則編號
 Contract Drawing No.

比例
 Scale A1 1:2500 A3 1:5000

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 博威工程顧問有限公司



Appendix B

Monitoring Locations Designated in the EM&A Manual

NOTE:

1. THE FINAL LOCATIONS OF THE MONITORING STATIONS SHALL BE PROPOSED BY THE ENVIRONMENTAL TEAM (ET) LEADER AND VERIFIED BY THE INDEPENDENT ENVIRONMENTAL CHECKER (IEC) BEFORE SUBMITTING TO EPD FOR APPROVAL PRIOR TO COMMENCEMENT OF ANY MONITORING.

LEGEND:

- PROPOSED SUBMARINE FRESH WATER MAIN
- ⊕ W1 WATER QUALITY MONITORING STATION

Revision	Date	Description	Initial
Designed		Checked	Drawn
Initial	TL	FD	SZ
Date	10/09	10/09	10/09
Approved			WLS


Agreement No. CE 1/2008 (WS)

Agreement Title
IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU
— INVESTIGATION

Drawing Title
LOCATIONS OF PROPOSED WATER QUALITY MONITORING STATIONS

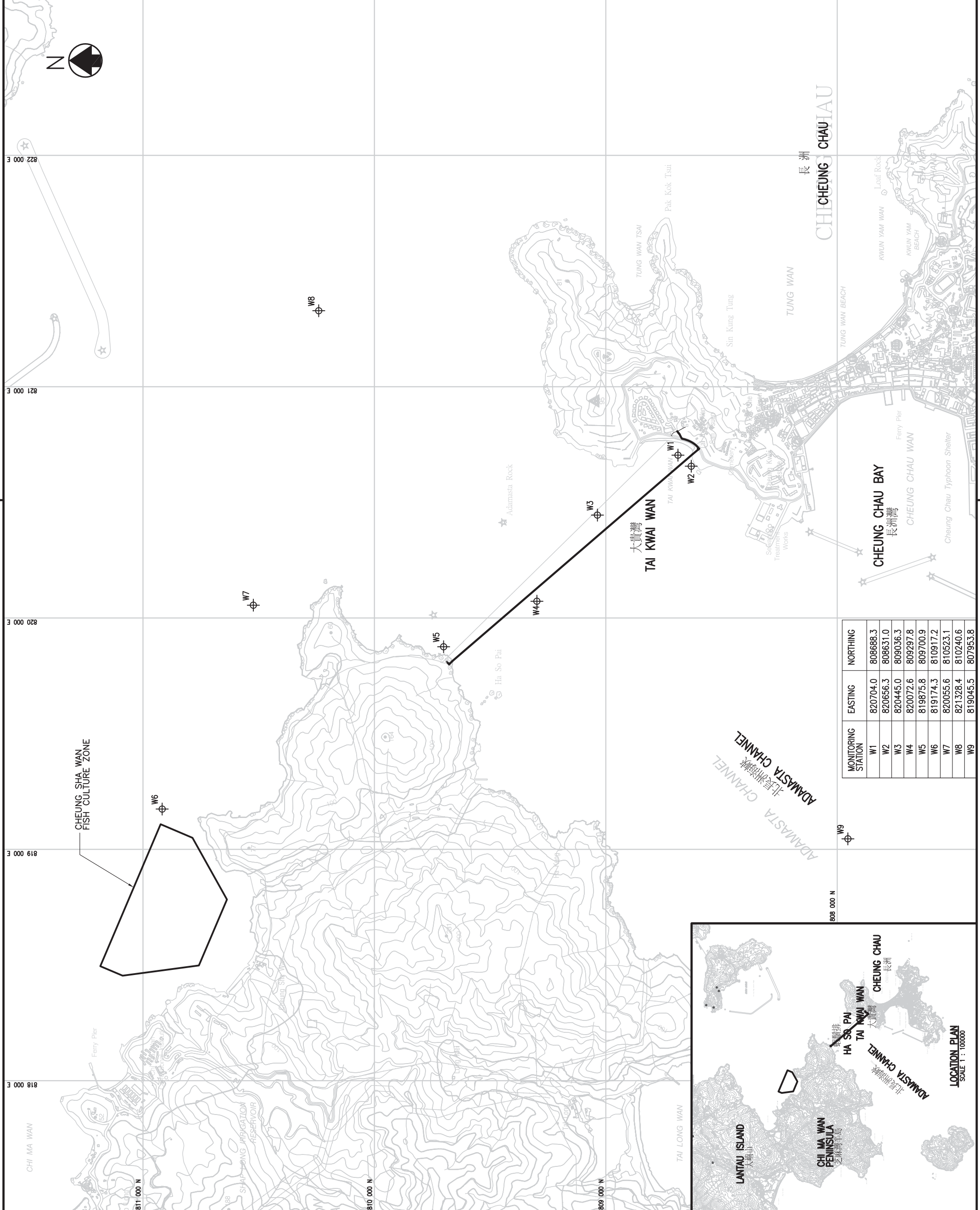
Drawing No. **FIGURE 2.1**

Scale A3 1:15000

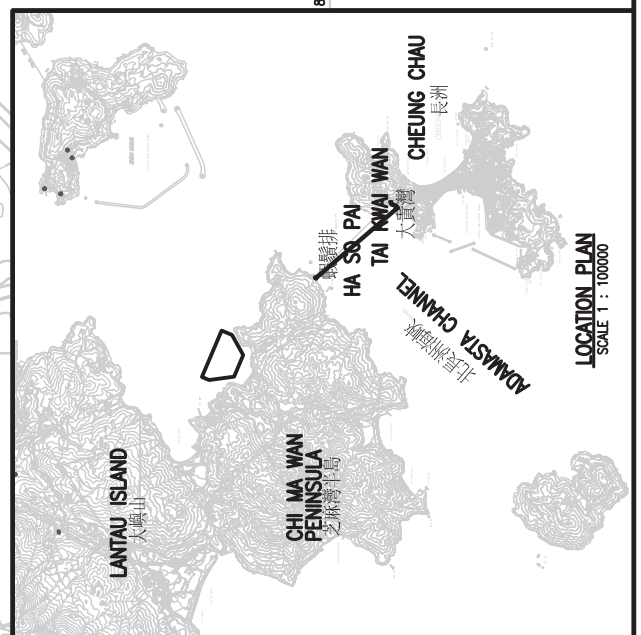


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Water Supplies Department

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博 威 工 程 廣 告 有 限 公 司

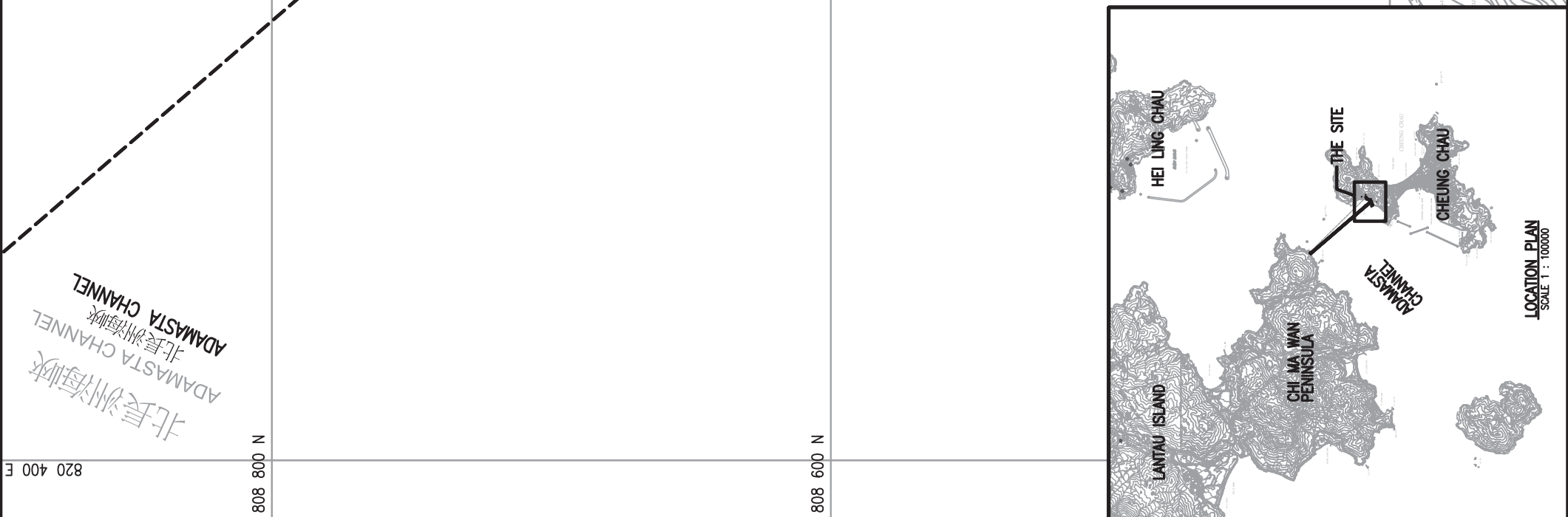
MONITORING STATION	EASTING	NORTHING
W1	820704.0	808688.3
W2	820656.3	808631.0
W3	820445.0	809036.3
W4	820072.6	809297.8
W5	819875.8	809700.9
W6	819174.3	810917.2
W7	820055.6	810523.1
W8	821328.4	810240.6
W9	819045.5	807953.8



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LEGEND:

- PROPOSED SUBMARINE FRESH WATER MAIN
- PROPOSED LAND-BASED FRESH WATER MAIN
- NSR1
- ▨ PROPOSED LAUNCHING SITE AND WORKS AREA
- PROPOSED TEMPORARY NOISE BARRIER
- ⊙ N1
- ⊙ NOISE MONITORING STATION



Revision	Date	Description	Initial
Designed		Checked	Drawn
Checked	TL	FD	SZ
Initial	10/09	10/09	10/09
Date	10/09	10/09	10/09
Approved			

Agreement No. CE 1/2008 (WS)

Agreement Title
IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU - INVESTIGATION

Drawing Title
LOCATIONS OF PROPOSED NOISE MONITORING STATION AND NOISE SENSITIVE RECEIVERS

Drawing No. **FIGURE 6.1**

Scale A3 1:2000

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Water Supplies Department

BLACK & VEATCH HONG KONG LIMITED
博誠工程顧問有限公司



Photo 1: View from the light pole (proposed N1a) to the NSR-N1.

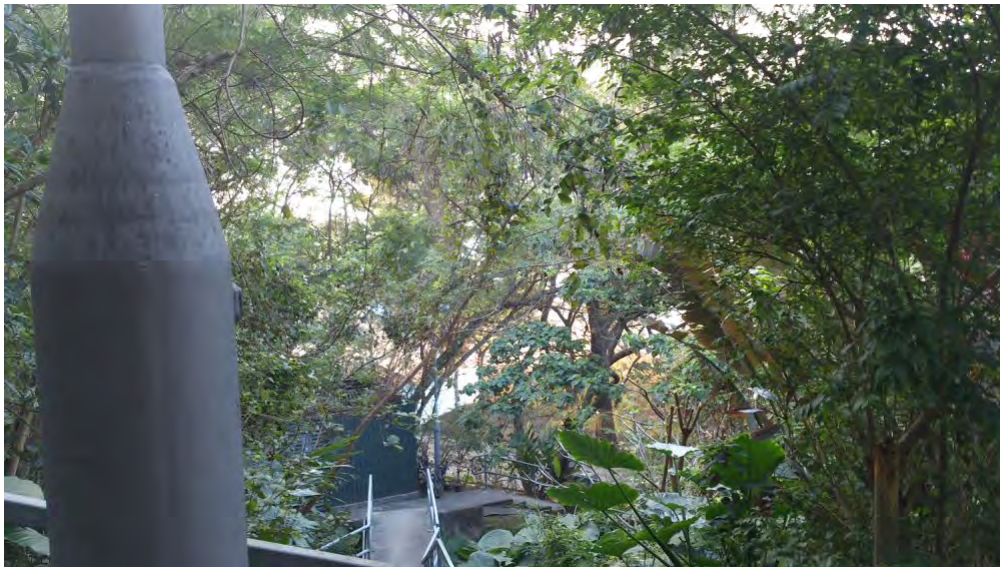


Photo 2: View from the light pole (proposed N1a) to the construction site

Appendix C

Baseline Monitoring Schedule

Baseline Marine Water Quality Monitoring Schedule

Scheduled Monitoring Day			Tides of Cheung Chau		Proposal Sampling Time	
			Mid-Ebb	Mid-Flood	Mid-Ebb	Mid-Flood
The First Week	4-Jan-14	Sat	14:51	9:10*	13:21 – 16:21	08:00 – 11:00
	7-Jan-14	Tue	17:32	11:23	16:02 – 19:02	09:53 – 12:53
	9-Jan-14	Thu	20:08*	12:57	16:30 – 19:30	11:27 – 14:27
The Second Week	11-Jan-14	Sat	4:04*	14:28	08:00 – 11:00	12:58 – 15:58
	14-Jan-14	Tue	11:37	16:42	09:30 – 12:30	15:12 – 18:12
	16-Jan-14	Thu	12:47	17:58*	11:07 – 14:07	16:30 – 19:30
The Third Week	18-Jan-14	Sat	13:35	8:06*	12:05 – 15:05	08:00 – 11:00
	21-Jan-14	Tue	15:22	9:34	13:52 – 16:52	08:04 – 11:04
	23-Jan-14	Thu	17:11	10:56	15:41 – 18:41	09:26 – 12:26
The Forth Week	25-Jan-14	Sat	19:43*	12:28	16:30 – 19:30	10:58 – 13:58
	27-Jan-14	Mon	07:47*	13:19	08:00 – 11:00	11:49 – 14:49
	29-Jan-14	Wed	11:27	16:32	09:57 – 12:57	15:02 – 18:02

Remarks:

* For safety reason, the sampling time changed at 08:00 or 16:30

Baseline Continuous Noise Monitoring Schedule

The sound level meter installed on 17 January 2014. Continuous noise monitoring at the designated location N1 commenced on 18 January 2014 at 00:00 and completed at 00:00 1 February 2014.

Appendix D

Valid Calibration Certificate of Monitoring Equipment and Laboratory Certificate



ALS Technichem (HK) Pty Ltd

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT: MR BEN TAM
CLIENT: ACTION UNITED ENVIRO SERVICES
ADDRESS: RM A 20/F., GOLDEN KING IND BLDG,
NO. 35-41 TAI LIN PAI ROAD,
KWAI CHUNG,
N.T., HONG KONG

WORK ORDER: HK1327382
LABORATORY: HONG KONG
DATE RECEIVED: 07/10/2013
DATE OF ISSUE: 15/10/2013

PROJECT: --

COMMENTS

It is certified that the item under calibration/checking has been calibrated/checked by corresponding calibrated equipment in the laboratory.
Maximum Tolerance and calibration frequency stated in the report, unless otherwise stated, the internal acceptance criteria of ALS will be followed.

Scope of Test: Dissolved Oxygen, pH, Salinity, Temperature and Turbidity
Equipment Type: Sonde
Brand Name: YSI
Model No.: YSI 6820 / 650MDS
Serial No.: 02J0912/02K0788 AA
Equipment No.: --
Date of Calibration: 15 October, 2013

NOTES

This is the Final Report and supersedes any preliminary report with this batch number.
Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

ISSUING LABORATORY: HONG KONG

Address

ALS Technichem (HK) Pty Ltd
11/F Chung Shun Knitting Centre
1-3 Wing Yip Street
Kwai Chung
HONG KONG

Phone: 852-2610 1044
Fax: 852-2610 2021
Email: hongkong@alsglobal.com


Mr. Fung Lim Chee, Richard
General Manager
Greater China & Hong Kong

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Page 1 of 2

REPORT OF EQUIPMENT PERFORMANCE CHECK / CALIBRATION



Work Order: HK1327382
Date of Issue: 15/10/2013
Client: ACTION UNITED ENVIRO SERVICES

Equipment Type: Sonde
Brand Name: YSI
Model No.: YSI 6820 / 650MDS
Serial No.: 02J0912/02K0788 AA
Equipment No.: --
Date of Calibration: 15 October, 2013 **Date of next Calibration:** 15 January, 2014

Parameters:

Dissolved Oxygen

Method Ref: APHA (21st edition), 4500O: G

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
7.95	7.82	-0.13
5.22	5.29	0.07
1.85	2.00	0.15
Tolerance Limit (\pm mg/L)		0.20

pH Value

Method Ref: APHA 21st Ed. 4500H:B

Expected Reading (pH Unit)	Displayed Reading (pH Unit)	Tolerance (pH unit)
4.0	3.97	-0.03
7.0	6.94	-0.06
10.0	9.80	-0.20
Tolerance Limit (\pm pH unit)		0.20

Salinity

Method Ref: APHA (21st edition), 2520B

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.02	--
10	9.83	-1.7
20	19.82	-0.9
30	29.89	-0.4
Tolerance Limit (\pm ppt)		10.0

Temperature

Method Ref: Section 6 of International Accreditation New Zealand Technical Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

Expected Reading ($^{\circ}$ C)	Displayed Reading ($^{\circ}$ C)	Tolerance ($^{\circ}$ C)
11.5	12.11	0.6
25.0	23.75	-1.3
39.0	37.90	-1.1
Tolerance Limit (\pm $^{\circ}$ C)		2.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.



 Mr. Fung Lim Chee / Richard
 General Manager
 Greater China & Hong Kong

REPORT OF EQUIPMENT PERFORMANCE CHECK / CALIBRATION



Work Order: HK1327382
Date of Issue: 15/10/2013
Client: ACTION UNITED ENVIRO SERVICES

Equipment Type: Sonde
Brand Name: YSI
Model No.: YSI 6820 / 650MDS
Serial No.: 02J0912/02K0788 AA
Equipment No.: --
Date of Calibration: 15 October, 2013 **Date of next Calibration:** 15 January, 2014

Parameters:

Turbidity

Method Ref: APHA (21st edition), 2130B

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.0	--
4	3.9	-2.5
40	43.8	9.5
80	82.1	2.6
400	394.2	-1.5
800	756.0	-5.5
	Tolerance Limit (±%)	10.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Mr. Fung Lim Chee, Richard
General Manager -
Greater China & Hong Kong



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T: +852 2610 1044
F: +852 2610 2021
www.alsglobal.com

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT: MR BEN TAM
CLIENT: ACTION UNITED ENVIRO SERVICES
ADDRESS: RM A 20/F., GOLDEN KING IND BLDG,
NO. 35-41 TAI LIN PAI ROAD,
KWAI CHUNG,
N.T., HONG KONG

WORK ORDER: HK1401659
LABORATORY: HONG KONG
DATE RECEIVED: 15/01/2014
DATE OF ISSUE: 18/01/2014

PROJECT: --

COMMENTS

It is certified that the item under calibration/checking has been calibrated/checked by corresponding calibrated equipment in the laboratory.
Maximum Tolerance and calibration frequency stated in the report, unless otherwise stated, the internal acceptance criteria of ALS will be followed.

Scope of Test: Dissolved Oxygen, pH, Salinity, Temperature & Turbidity
Equipment Type: Multimeter
Brand Name: YSI
Model No.: YSI 6820 / 650MDS
Serial No.: 02J0912/02K0788 AA
Equipment No.: --
Date of Calibration: 15 January, 2014

NOTES

This is the Final Report and supersedes any preliminary report with this batch number.
Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.


Mr. Fung Lim Chee, Richard
General Manager -
Greater China & Hong Kong

REPORT OF EQUIPMENT PERFORMANCE CHECK / CALIBRATION



Work Order: HK1401659
Date of Issue: 18/01/2014
Client: ACTION UNITED ENVIRO SERVICES

Equipment Type: Multimeter
Brand Name: YSI
Model No.: YSI 6820 / 650MDS
Serial No.: 02J0912/02K0788 AA
Equipment No.: --
Date of Calibration: 15 January, 2014

Date of next Calibration: 15 April, 2014

Parameters:

Dissolved Oxygen

Method Ref: APHA (21st edition), 4500G

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
3.15	3.27	0.12
5.75	5.86	0.11
9.13	9.09	-0.04
Tolerance Limit (\pm mg/L)		0.20

pH Value

Method Ref: APHA 21st Ed. 4500H:B

Expected Reading (pH Unit)	Displayed Reading (pH Unit)	Tolerance (pH unit)
4.0	4.03	0.03
7.0	7.05	0.05
10.0	9.87	-0.13
Tolerance Limit (\pm pH unit)		0.20

Salinity

Method Ref: APHA (21st edition), 2520B

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0	--
10	9.99	-0.1
20	18.20	-9.0
30	27.34	-8.9
Tolerance Limit (\pm %)		10.0

Temperature

Method Ref: Section 6 of International Accreditation New Zealand Technical Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

Expected Reading ($^{\circ}$ C)	Displayed Reading ($^{\circ}$ C)	Tolerance ($^{\circ}$ C)
8.0	8.38	0.4
20.0	20.32	0.3
37.0	36.80	-0.2
Tolerance Limit (\pm $^{\circ}$ C)		2.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Mr. Fung Lim Chee, Richard
 General Manager -
 Greater China & Hong Kong

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

Work Order: HK1401659
Date of Issue: 18/01/2014
Client: ACTION UNITED ENVIRO SERVICES



Equipment Type: Multimeter
Brand Name: YSI
Model No.: YSI 6820 / 650MDS
Serial No.: 02J0912/02K0788 AA
Equipment No.: --

Date of Calibration: 15 January, 2014 **Date of next Calibration:** 15 April, 2014

Parameters:

Turbidity

Method Ref: APHA (21st edition), 2130B

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.6	--
4	4.2	5.0
40	42.4	6.0
80	72.5	-9.4
400	369	-7.8
800	737	-7.9
	Tolerance Limit ($\pm\%$)	10.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.


Mr. Fung Lim Chee, Richard
General Manager -
Greater China & Hong Kong



Certificate of Calibration 校正證書

Certificate No. : C132567
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC13-0878)

Description / 儀器名稱 : Integrating Sound Level Meter (EQ010)
Manufacturer / 製造商 : Brüel & Kjær
Model No. / 型號 : 2238
Serial No. / 編號 : 2285721
Supplied By / 委託者 : Action-United Environmental Services and Consulting
Unit A, 20/F., Gold King Industrial Building,
35-41 Tai Lin Pai Road, Kwai Chung, N.T.

TEST CONDITIONS / 測試條件

Temperature / 溫度 : $(23 \pm 2)^\circ\text{C}$ Relative Humidity / 相對濕度 : $(55 \pm 20)\%$
Line Voltage / 電壓 : ---

TEST SPECIFICATIONS / 測試規範

Calibration check

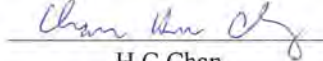
DATE OF TEST / 測試日期 : 27 April 2013

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only.
All results are within manufacturer's specification.
The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- Agilent Technologies, USA
- Fluke Everett Service Center, USA
- Rohde & Schwarz Laboratory, Germany

Tested By : 
測試 H C Chan

Certified By : 
核證 K C Lee

Date of Issue : 30 April 2013
簽發日期

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

本證書所載校正用之測試器材均可溯源至國際標準。局部複印本證書需先獲本實驗室所書而此准。

Certificate of Calibration

校正證書

Certificate No. : C132567
證書編號

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- Self-calibration using laboratory acoustic calibrator was performed before the test from 6.1.1.2 to 6.4.
- The results presented are the mean of 3 measurements at each calibration point.
- Test equipment :

Equipment ID	Description	Certificate No.
CL280	40 MHz Arbitrary Waveform Generator	C130019
CL281	Multifunction Acoustic Calibrator	DC110233

- Test procedure : MA101N.

- Results :

6.1 Sound Pressure Level

6.1.1 Reference Sound Pressure Level

6.1.1.1 Before Self-calibration

UUT Setting				Applied Value		UUT Reading (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	
50 - 130	L _{AFF}	A	F	94.00	1	94.7

6.1.1.2 After Self-calibration

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)		
50 - 130	L _{AFF}	A	F	94.00	1	94.1	± 0.7

6.1.2 Linearity

UUT Setting				Applied Value		UUT Reading (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	
50 - 130	L _{AFF}	A	F	94.00	1	94.1 (Ref.)
				104.00		104.1
				114.00		114.0

IEC 60651 Type 1 Spec. : ± 0.4 dB per 10 dB step and ± 0.7 dB for overall different.

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

本證書所載校正用之測試器材均可溯源至國際標準。局部複印本證書需先獲本實驗室所書面批准。

Certificate of Calibration

校正證書

Certificate No. : C132567
證書編號

6.2 Time Weighting

6.2.1 Continuous Signal

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)		
50 - 130	L _{AFP}	A	F	94.00	1	94.1	Ref.
	L _{ASP}		S			94.1	± 0.1
	L _{AIP}		I			94.1	± 0.1

6.2.2 Tone Burst Signal (2 kHz)

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Burst Duration		
30 - 110	L _{AFP}	A	F	106.0	Continuous	106.0	Ref.
	L _{AFMax}				200 ms	105.0	-1.0 ± 1.0
	L _{ASP}	S	Continuous		106.0	Ref.	
	L _{ASMax}		500 ms		102.0	-4.1 ± 1.0	

6.3 Frequency Weighting

6.3.1 A-Weighting

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq.		
50 - 130	L _{AFP}	A	F	94.00	31.5 Hz	54.7	-39.4 ± 1.5
					63 Hz	67.9	-26.2 ± 1.5
					125 Hz	77.9	-16.1 ± 1.0
					250 Hz	85.4	-8.6 ± 1.0
					500 Hz	90.8	-3.2 ± 1.0
					1 kHz	94.1	Ref.
					2 kHz	95.3	+1.2 ± 1.0
					4 kHz	95.1	+1.0 ± 1.0
					8 kHz	92.9	-1.1 (+1.5 ; -3.0)
					12.5 kHz	89.8	-4.3 (+3.0 ; -6.0)

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6.3.2 C-Weighting

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq.		
50 - 130	L _{CFP}	C	F	94.00	31.5 Hz	91.2	-3.0 ± 1.5
					63 Hz	93.3	-0.8 ± 1.5
					125 Hz	93.9	-0.2 ± 1.0
					250 Hz	94.1	0.0 ± 1.0
					500 Hz	94.1	0.0 ± 1.0
					1 kHz	94.1	Ref.
					2 kHz	93.9	-0.2 ± 1.0
					4 kHz	93.3	-0.8 ± 1.0
					8 kHz	91.0	-3.0 (+1.5 ; -3.0)
12.5 kHz	87.9	-6.2 (+3.0 ; -6.0)					

6.4 Time Averaging

UUT Setting				Applied Value					UUT Reading (dB)	IEC 60804 Type 1 Spec. (dB)
Range (dB)	Parameter	Frequency Weighting	Integrating Time	Frequency (kHz)	Burst Duration (ms)	Burst Duty Factor	Burst Level (dB)	Equivalent Level (dB)		
30 - 110	L _{Aeq}	A	10 sec.	4	1	1/10	110.0	100	99.9	± 0.5
			60 sec.					90	90.0	± 0.5
			5 min.					80	79.9	± 1.0
								70	69.7	± 1.0

Remarks : - Mfr's Spec. : IEC 60651 Type 1 & IEC 60804 Type 1

- Uncertainties of Applied Value :

94 dB	31.5 Hz - 125 Hz	± 0.35 dB
	250 Hz - 500 Hz	± 0.30 dB
	1 kHz	± 0.20 dB
	2 kHz - 4 kHz	± 0.35 dB
	8 kHz	± 0.45 dB
	12.5 kHz	± 0.70 dB
	104 dB : 1 kHz	± 0.10 dB (Ref. 94 dB)
	114 dB : 1 kHz	± 0.10 dB (Ref. 94 dB)
	Burst equivalent level	± 0.2 dB (Ref. 110 dB continuous sound level)

- The uncertainties are for a confidence probability of not less than 95 %.

Note :

The values given in this Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Sun Creation Engineering Limited shall not be liable for any loss or damage resulting from the use of the equipment.

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

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Sun Creation Engineering Limited - Calibration & Testing Laboratory

c/o 4/F, Tsing Shan Wan Exchange Building, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong

輝創工程有限公司 - 校正及檢測實驗室

c/o 香港新界屯門安里一號青山灣機樓四樓

Tel/電話: 2927 2606 Fax/傳真: 2744 8986 E-mail/電郵: callba@suncreation.com Website/網址: www.suncreation.com



Certificate of Calibration 校正證書

Certificate No. : C132565
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC13-0878)

Description / 儀器名稱 : Acoustical Calibrator (EQ082)
Manufacturer / 製造商 : Brüel & Kjær
Model No. / 型號 : 4231
Serial No. / 編號 : 2713428
Supplied By / 委託者 : Action-United Environmental Services and Consulting
Unit A, 20/F., Gold King Industrial Building,
35-41 Tai Lin Pai Road, Kwai Chung, N.T.

TEST CONDITIONS / 測試條件

Temperature / 溫度 : $(23 \pm 2)^{\circ}\text{C}$ Relative Humidity / 相對濕度 : $(55 \pm 20)\%$
Line Voltage / 電壓 : ---

TEST SPECIFICATIONS / 測試規範

Calibration check

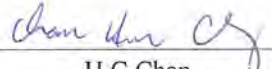
DATE OF TEST / 測試日期 : 27 April 2013

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only.
All results are within manufacturer's specification.
The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- Agilent Technologies, USA
- Fluke Everett Service Center, USA
- Rohde & Schwarz Laboratory, Germany

Tested By : 
測試 : H C Chan

Certified By : 
核證 : K C Lee

Date of Issue : 30 April 2013
簽發日期

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

本證書所載校正用之測試器材均可溯源至國際標準。局部複印本證書需先獲本實驗室書面批准。

Certificate of Calibration

校正證書

Certificate No. : C132565
證書編號

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.
- Test equipment :

<u>Equipment ID</u>	<u>Description</u>	<u>Certificate No.</u>
CL130	Universal Counter	C123541
CL281	Multifunction Acoustic Calibrator	DC110233
TST150A	Measuring Amplifier	C120886

- Test procedure : MA100N.

- Results :

5.1 Sound Level Accuracy

UUT Nominal Value	Measured Value (dB)	Mfr's Spec. (dB)	Uncertainty of Measured Value (dB)
94 dB, 1 kHz	94.0	± 0.2	± 0.2
114 dB, 1 kHz	114.0		

5.2 Frequency Accuracy

UUT Nominal Value (kHz)	Measured Value (kHz)	Mfr's Spec.	Uncertainty of Measured Value (Hz)
1	1.000 0	1 kHz ± 0.1 %	± 0.1

Remark : The uncertainties are for a confidence probability of not less than 95 %.

Note :

The values given in this Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Sun Creation Engineering Limited shall not be liable for any loss or damage resulting from the use of the equipment.



Hong Kong Accreditation Service
香港認可處

Certificate of Accreditation
認可證書

This is to certify that
特此證明

ALS TECHNICHEM (HK) PTY LIMITED

11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, New Territories, Hong Kong
香港新界葵涌永業街1-3號忠信針織中心11樓

has been accepted by the HKAS Executive, on the recommendation of the Accreditation Advisory Board, as a
為香港認可處執行機關根據認可諮詢委員會建議而接受的

HOKLAS Accredited Laboratory
「香港實驗所認可計劃」認可實驗所

This laboratory meets the requirements of ISO / IEC 17025 : 2005 – General requirements for the competence of testing and calibration laboratories and it has been accredited for performing specific tests or calibrations as listed in the HOKLAS Directory of Accredited Laboratories within the test category of
此實驗所符合ISO / IEC 17025 : 2005 – 《測試及校正實驗所能力的通用規定》所訂的要求，獲認可進行載於香港實驗所認可計劃《認可實驗所名冊》內下述測試類別中的指定
測試或校正工作

Environmental Testing
環境測試

This laboratory is accredited in accordance with the recognised International Standard ISO / IEC 17025 : 2005.
本實驗所乃根據公認的國際標準 ISO / IEC 17025 : 2005 獲得認可。

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (see joint IAF-ILAC-ISO Communiqué).
這項認可資格演示在指定範疇所需的技術能力及實驗所質量管理體系的運作
(見國際認可論壇、國際實驗所認可合作組織及國際標準化組織的聯合公報)。

The common seal of the Hong Kong Accreditation Service is affixed hereto by the authority of the HKAS Executive
香港認可處根據認可處執行機關的權限在此蓋上通用印章

CHAN Sing Sing, Terence, Executive Administrator
執行幹事 陳成城
Issue Date : 5 May 2009
簽發日期：二零零九年五月五日

Registration Number : **HOKLAS 066**
註冊號碼：

Date of First Registration : 15 September 1995
首次註冊日期：一九九五年九月十五日



Appendix E

**In-situ Measurements and
Laboratory Analysis Data of Water Quality**

Field Data Sheet

Contract No. 1/WSD/13 -
Improvement of Fresh Water Supply to Cheung Chau

Baseline Monitoring													
Sampling Date: 4-Jan-14													
Date / Time	Location	Tide*	Co-ordinates		Water Depth m	Sampling Depth m	Temp °C	DO Conc mg/L	DO Saturation %	Turbidity NTU	Salinity ppt	pH unit	SS mg/l
			East	North									
10:16	W1	MF	820 704	808 688	2.9	1.45	16.94	8.80	112.6	5.1	35.45	8.28	7
							16.95	8.86	113.4	5.2	35.49	8.28	7
10:25	W2	MF	820 656	808 631	2.8	1.40	16.96	8.67	111.0	5.1	35.58	8.27	5
							16.96	8.78	112.6	4.7	35.60	8.27	5
9:58	W3	MF	820 445	809 036	7.2	1.00	17.01	8.56	109.8	4.1	35.54	8.27	4
							17.01	8.62	110.6	4.1	35.55	8.27	4
						3.60	17.00	8.73	112.1	4.1	35.63	8.27	4
							17.01	8.74	112.1	4.6	35.63	8.27	6
						6.20	17.00	8.75	112.3	4.7	35.67	8.27	5
							17.00	8.73	112.1	4.5	35.67	8.27	6
9:43	W4	MF	820 072	809 297	8.4	1.00	17.12	8.14	104.4	4.4	35.31	8.23	5
							17.12	8.15	104.7	5.0	35.33	8.23	6
						4.20	17.11	8.27	106.2	4.4	35.48	8.23	4
							17.11	8.26	106.1	4.5	35.48	8.23	5
						7.40	17.11	8.24	105.8	6.1	35.52	8.23	4
							17.11	8.23	105.8	5.8	35.52	8.23	6
9:27	W5	MF	819 875	809 700	5.2	1.00	17.01	8.39	107.5	3.1	35.42	8.24	3
							17.01	8.45	108.3	3.0	35.45	8.25	3
						4.20	16.87	8.55	109.5	3.6	35.60	8.25	4
							16.88	8.56	109.5	3.6	35.60	8.25	4
8:16	W6	MF	819 174	810 917	5.8	1.00	16.94	8.55	108.4	1.2	33.76	7.86	4
							16.93	9.05	115.3	1.8	34.67	8.07	2
						4.80	16.93	9.16	117.0	2.0	35.05	8.12	4
							16.93	9.16	116.9	2.1	35.09	8.12	3
8:45	W7	MF	820 055	810 523	7.5	1.00	17.08	8.06	103.4	5.1	35.32	8.18	6
							17.08	8.06	103.4	5.5	35.32	8.18	7
						3.75	17.08	8.07	103.6	5.8	35.39	8.18	6
							17.09	8.07	103.6	5.6	35.34	8.17	7
						6.50	17.09	8.07	103.6	6.6	35.43	8.18	8
							17.09	8.07	103.6	6.3	35.43	8.18	7
9:11	W8	MF	821 328	810 240	9.4	1.00	17.14	7.92	101.6	3.6	35.12	8.19	4
							17.14	7.88	101.1	3.5	35.18	8.19	5
						4.70	17.15	7.89	101.3	6.0	35.35	8.19	4
							17.15	7.89	101.3	5.6	35.36	8.19	5
						8.40	17.15	7.89	101.4	5.7	35.41	8.20	5
							17.15	7.89	101.4	6.2	35.42	8.20	4
10:48	W9	MF	819 045	807 953	9.1	1.00	17.09	8.51	109.0	4.5	35.09	8.28	6
							17.10	8.59	110.0	4.2	35.10	8.28	6
						4.55	17.09	8.75	112.2	4.9	35.34	8.26	4
							17.09	8.73	112.0	4.4	35.36	8.26	5
						8.10	17.08	8.71	111.7	4.2	35.47	8.25	5
							17.08	8.70	111.6	4.3	35.48	8.25	6
13:48	W1	ME	820 704	808 688	2.9	1.45	17.26	4.51	58.2	3.3	35.65	7.83	2
							17.26	4.58	59.1	3.0	35.66	7.83	3
13:41	W2	ME	820 656	808 631	2.9	1.45	17.28	4.97	64.2	2.2	35.59	7.87	4
							17.28	5.12	66.0	2.2	35.60	7.86	3
13:58	W3	ME	820 445	809 036	7.3	1.00	17.25	6.31	81.1	2.0	35.71	8.00	4
							17.28	6.46	83.4	2.3	35.73	8.01	3
						3.65	17.25	7.09	91.5	2.4	35.80	8.01	3
							17.25	7.14	92.1	2.6	35.77	8.00	3
						6.30	17.11	6.86	88.4	4.8	35.89	8.01	3
							17.12	6.71	86.3	3.9	35.85	8.00	4
14:11	W4	ME	820 072	809 297	8.2	1.00	17.19	4.91	63.2	2.8	35.55	8.05	5
							17.21	4.95	63.7	2.6	35.58	8.07	4
						4.10	17.19	6.47	83.3	2.8	35.69	8.07	3
							17.20	6.80	87.7	2.9	35.70	8.07	4
						7.20	17.04	6.49	83.5	3.8	35.82	8.07	3
							17.03	6.42	82.5	4.3	35.83	8.07	3
14:19	W5	ME	819 875	809 700	5.1	1.00	17.37	5.13	66.4	2.3	35.52	8.10	3
							17.40	5.17	66.8	3.0	35.51	8.12	3
						4.10	17.10	6.31	81.1	3.8	35.69	8.11	6
							17.09	6.34	81.5	3.8	35.68	8.10	5
14:52	W6	ME	819 174	810 917	6.9	1.00	17.36	6.78	87.6	2.2	35.58	8.23	2
							17.36	6.65	85.9	2.3	35.59	8.23	3
						3.45	17.17	7.64	98.3	2.5	35.68	8.24	3
							17.15	7.75	99.7	2.5	35.74	8.25	3
						5.90	17.13	7.50	96.6	4.0	35.80	8.23	3
							17.13	7.56	97.4	4.4	35.81	8.23	3
14:41	W7	ME	820 055	810 523	7.8	1.00	17.44	6.60	85.2	2.0	35.40	8.13	4
							17.44	6.54	84.5	2.2	35.41	8.13	2
						3.90	17.37	6.45	83.3	2.6	35.60	8.15	4
							17.36	6.38	82.3	2.4	35.61	8.16	3
						6.80	17.22	6.70	86.3	3.4	35.71	8.17	3
							17.21	6.86	88.4	3.4	35.71	8.16	3
14:30	W8	ME	821 328	810 240	9.3	1.00	17.31	4.18	53.9	2.6	35.54	8.09	3
							17.35	4.18	53.9	2.5	35.50	8.09	2
						4.65	17.37	6.59	85.1	2.6	35.59	8.10	2
							17.35	6.59	85.1	2.8	35.59	8.10	3
						8.30	17.20	6.84	88.1	2.6	35.77	8.13	2
							17.19	6.60	85.1	2.9	35.81	8.15	4
13:25	W9	ME	819 045	807 953	8.8	1.00	17.17	4.29	55.1	2.2	35.79	7.52	3
							17.18	4.37	56.3	2.2	35.80	7.49	3
						4.40	17.10	4.61	59.3	2.6	35.84	7.37	4
							17.11	4.68	60.2	2.5	35.84	7.35	5
						7.80	17.10	5.61	72.2	2.9	35.89	7.32	5
							17.11	5.45	70.2	2.6	35.90	7.31	5

Remarks: MF - Middle Flood tide
ME - Middle Ebb tide

Contract No. 1/WSD/13 -
Improvement of Fresh Water Supply to Cheung Chau

Baseline Monitoring													
Sampling Date:		7-Jan-14											
Date / Time	Location	Tide*	Co-ordinates		Water Depth m	Sampling Depth m	Temp °C	DO Conc mg/L	DO Saturation %	Turbidity NTU	Salinity ppt	pH unit	SS mg/l
			East	North									
11:45	W1	MF	820 704	808 688	2.7	1.35	17.19	7.13	91.5	3.5	34.97	8.13	6
							17.23	7.16	91.9	3.7	34.98	8.13	6
11:57	W2	MF	820 656	808 631	2.5	1.25	17.32	7.05	90.6	4.1	34.98	8.11	6
							17.31	7.09	91.2	4.1	34.97	8.11	6
11:35	W3	MF	820 445	809 036	7.6	1.00	17.20	7.13	91.5	3.9	34.96	8.14	7
							17.19	7.19	92.2	3.9	34.96	8.14	8
							17.05	7.19	92.0	4.9	34.98	8.13	8
							17.05	7.22	92.3	5.1	34.99	8.13	8
							17.05	7.22	92.3	5.4	34.99	8.13	9
							17.06	7.22	92.3	4.9	34.99	8.14	8
11:20	W4	MF	820 072	809 297	8.4	1.00	17.07	6.59	84.3	4.0	34.94	8.11	10
							17.08	6.82	87.2	4.5	34.92	8.12	9
							17.07	7.01	89.7	6.0	34.93	8.10	11
							17.06	7.03	89.9	6.9	34.93	8.10	10
							17.07	7.06	90.3	6.8	34.94	8.09	13
							17.06	7.06	90.3	6.9	34.95	8.09	12
11:05	W5	MF	819 875	809 700	4.2	1.00	17.35	7.04	90.5	4.0	34.80	8.13	6
							17.37	7.11	91.4	4.0	34.81	8.13	6
							17.23	7.09	90.9	3.4	34.83	8.11	5
							17.23	7.06	90.5	4.3	34.84	8.10	6
10:25	W6	MF	819 174	810 917	6.8	1.00	17.03	7.13	90.7	2.1	34.15	8.01	2
							17.03	7.16	91.1	2.1	34.22	8.06	3
							17.11	7.16	91.3	2.1	34.37	8.08	3
							17.14	7.14	91.2	1.9	34.38	8.08	4
							17.06	7.14	91.0	4.2	34.40	8.08	4
							17.05	7.09	90.4	3.4	34.40	8.07	4
10:37	W7	MF	820 055	810 523	7.8	1.00	17.10	7.14	91.1	2.4	34.55	8.09	6
							17.09	7.17	91.6	2.4	34.56	8.09	7
							16.99	7.20	91.8	2.5	34.60	8.09	5
							17.02	7.21	91.9	2.4	34.59	8.09	7
							16.99	7.21	91.9	4.2	34.66	8.10	7
							16.99	7.21	91.9	4.4	34.67	8.10	8
10:52	W8	MF	821 328	810 240	9.5	1.00	17.12	6.66	85.1	3.1	34.58	8.11	6
							17.15	6.72	85.9	2.6	34.59	8.11	5
							17.04	6.84	87.3	3.4	34.70	8.11	6
							17.04	6.84	87.3	3.7	34.71	8.11	7
							17.00	6.96	88.9	8.9	34.86	8.12	10
							17.00	6.98	89.2	9.7	34.87	8.12	10
12:06	W9	MF	819 045	807 953	10.0	1.00	17.19	7.09	91.0	5.6	34.99	8.14	18
							17.19	7.15	91.8	5.2	34.99	8.14	18
							17.04	7.15	91.5	9.3	35.12	8.14	17
							17.04	7.14	91.4	8.4	35.11	8.14	17
							16.96	7.03	90.0	8.7	35.29	8.13	26
							16.96	7.04	90.0	9.4	35.29	8.14	26
16:25	W1	ME	820 704	808 688	2.8	1.40	17.22	6.83	87.8	2.7	35.37	8.10	4
							17.21	6.82	87.7	2.7	35.38	8.09	4
16:20	W2	ME	820 656	808 631	2.7	1.35	17.30	7.04	90.6	2.7	35.34	8.10	8
							17.30	7.12	91.8	2.9	35.36	8.10	6
16:30	W3	ME	820 445	809 036	7.9	1.00	17.22	6.52	83.9	3.2	35.37	8.10	8
							17.22	6.46	83.1	3.3	35.37	8.10	8
							17.20	6.34	81.5	5.0	35.40	8.10	6
							17.20	6.36	81.8	4.1	35.39	8.10	7
							17.16	6.25	80.3	5.1	35.43	8.09	7
							17.16	6.22	80.0	5.8	35.43	8.10	7
16:40	W4	ME	820 072	809 297	8.6	1.00	17.17	6.08	78.0	3.2	35.30	8.11	4
							17.18	6.01	77.2	3.3	35.30	8.11	6
							17.17	5.97	76.7	3.4	35.33	8.11	5
							17.17	5.97	76.7	3.3	35.33	8.11	5
							17.16	5.92	76.0	6.3	35.36	8.11	7
							17.16	5.96	76.5	6.4	35.36	8.11	8
16:47	W5	ME	819 875	809 700	4.2	1.00	17.41	5.98	77.1	3.5	35.31	8.11	6
							17.38	5.92	76.3	3.5	35.30	8.12	6
							17.31	5.80	74.7	3.4	35.33	8.11	5
							17.31	5.79	74.6	3.4	35.33	8.11	5
17:20	W6	ME	819 174	810 917	6.5	1.00	17.41	5.97	77.0	1.9	35.28	8.16	4
							17.46	5.97	77.1	2.1	35.32	8.16	4
							17.33	6.06	78.1	2.3	35.32	8.16	5
							17.36	6.07	78.3	2.1	35.31	8.17	3
							17.17	6.06	77.8	4.0	35.33	8.16	5
							17.17	6.05	77.7	4.4	35.33	8.16	4
17:10	W7	ME	820 055	810 523	7.8	1.00	17.19	6.11	78.5	2.2	35.20	8.18	4
							17.19	6.08	78.1	2.2	35.20	8.18	3
							17.17	6.12	78.6	2.2	35.27	8.17	2
							17.17	6.10	78.4	2.1	35.27	8.17	4
							17.13	6.09	78.2	3.1	35.30	8.16	4
							17.13	6.08	78.1	3.1	35.30	8.16	5
17:00	W8	ME	821 328	810 240	9.5	1.00	17.18	5.80	74.5	2.6	35.18	8.12	6
							17.17	5.76	73.9	2.5	35.19	8.11	5
							17.13	5.86	75.3	4.5	35.33	8.13	6
							17.13	5.86	75.3	4.5	35.33	8.13	4
							17.10	5.87	75.3	7.4	35.38	8.14	7
							17.10	5.87	75.3	7.8	35.38	8.14	6
16:02	W9	ME	819 045	807 953	9.3	1.00	17.23	7.27	93.7	3.2	35.52	8.06	8
							17.22	7.29	93.9	3.5	35.52	8.05	7
							17.11	7.08	91.1	4.2	35.63	8.02	7
							17.11	7.07	91.0	4.2	35.62	8.02	7
							17.03	7.08	90.9	5.8	35.67	8.01	7
							17.03	7.08	90.9	5.8	35.67	8.01	8

Remarks: MF - Middle Flood tida
ME - Middle Ebb tida

Contract No. 1/WSD/13 -
Improvement of Fresh Water Supply to Cheung Chau

Baseline Monitoring													
Sampling Date: 9-Jan-14													
Date / Time	Location	Tide*	Co-ordinates		Water Depth m	Sampling Depth m	Temp °C	DO Conc mg/L	DO Saturation %	Turbidity NTU	Salinity ppt	pH unit	SS mg/l
			East	North									
12:52	W1	MF	820 704	808 688	2.8	1.40	16.92	7.25	92.3	2.3	34.60	8.16	2
							16.94	6.84	87.2	2.6	34.66	8.16	2
12:57	W2	MF	820 656	808 631	2.8	1.40	16.93	7.54	96.1	3.5	34.71	8.15	3
							16.94	7.04	89.7	3.2	34.71	8.15	2
12:45	W3	MF	820 445	809 036	8.1	1.00	16.95	7.69	98.0	2.9	34.60	8.14	3
							16.95	7.02	89.3	3.0	34.56	8.14	4
						4.05	16.95	7.46	95.0	5.0	34.47	8.14	3
							16.96	7.44	94.7	4.9	34.60	8.14	3
						7.10	16.95	7.52	95.8	5.2	34.52	8.15	3
							16.96	7.64	97.3	4.9	34.59	8.14	3
12:32	W4	MF	820 072	809 297	8.4	1.00	16.94	7.02	89.5	5.0	34.70	8.13	4
							16.95	6.80	86.7	4.8	34.71	8.13	4
						4.20	16.95	7.59	96.7	3.9	34.81	8.13	4
							16.95	7.71	98.3	4.0	34.81	8.13	5
						7.40	16.89	7.69	98.0	4.7	34.80	8.13	5
							16.89	7.66	97.5	4.6	34.81	8.14	4
12:11	W5	MF	819 875	809 700	2.9	1.45	16.94	7.56	96.3	3.1	34.75	8.22	4
							16.95	7.81	99.6	3.0	34.76	8.22	4
11:35	W6	MF	819 174	810 917	6.8	1.00	16.99	7.89	100.2	2.6	33.97	7.99	3
							16.99	7.83	99.5	2.4	34.04	8.01	3
						3.40	16.99	7.63	97.0	2.5	34.08	8.01	3
							16.99	7.57	96.2	2.6	34.09	8.01	2
						5.80	16.96	7.49	95.1	5.4	34.11	8.01	3
							16.96	7.49	95.1	4.5	34.11	8.01	3
11:46	W7	MF	820 055	810 523	8.0	1.00	16.94	7.66	97.3	2.7	34.27	8.04	2
							16.94	7.66	97.3	2.9	34.28	8.04	2
						4.00	16.94	7.69	97.7	2.8	34.30	8.06	2
							16.94	7.69	97.7	2.7	34.31	8.06	2
						7.00	16.93	7.67	97.5	3.7	34.34	8.07	2
							16.93	7.66	97.4	4.0	34.35	8.07	2
12:00	W8	MF	821 328	810 240	9.6	1.00	16.93	7.19	91.5	2.2	34.39	8.08	2
							16.93	7.19	91.5	2.1	34.39	8.08	2
						4.80	16.96	7.18	91.4	2.4	34.45	8.10	2
							16.95	7.31	93.0	2.5	34.47	8.10	3
						8.60	16.95	7.32	93.2	4.3	34.66	8.13	3
							16.95	7.33	93.3	4.5	34.65	8.13	2
13:06	W9	MF	819 045	807 953	9.4	1.00	16.89	7.20	91.7	3.5	34.73	8.14	2
							16.90	7.35	93.7	3.4	34.76	8.15	3
						4.70	16.91	7.07	90.1	3.8	34.79	8.16	3
							16.91	7.33	93.6	3.8	35.11	8.17	3
						8.40	16.91	7.26	92.8	4.6	35.24	8.18	3
							16.91	7.21	92.0	4.6	35.05	8.18	3
16:47	W1	ME	820 704	808 688	2.7	1.35	16.93	7.31	93.4	3.1	35.05	8.20	4
							16.94	7.30	93.2	3.1	35.05	8.20	3
16:42	W2	ME	820 656	808 631	2.9	1.45	16.94	7.24	92.5	2.6	35.03	8.20	3
							16.94	7.17	91.5	2.8	34.96	8.20	3
16:54	W3	ME	820 445	809 036	8.5	1.00	16.90	7.17	91.5	5.3	35.07	8.19	4
							16.91	6.65	84.9	5.1	35.01	8.19	5
						4.25	16.92	6.76	86.4	4.9	35.33	8.19	4
							16.91	6.93	87.8	5.5	33.94	8.19	5
						7.50	16.91	7.41	94.6	8.4	35.11	8.19	5
							16.91	6.93	88.5	7.8	35.19	8.19	3
17:00	W4	ME	820 072	809 297	8.2	1.00	16.93	7.00	89.3	2.7	34.88	8.19	3
							16.94	7.15	91.3	2.7	34.98	8.19	3
						4.10	16.93	7.17	91.6	2.9	35.00	8.19	3
							16.94	7.10	90.6	3.1	34.99	8.19	3
						7.20	16.89	6.61	84.3	5.4	35.14	8.20	3
							16.88	7.05	90.0	5.8	35.18	8.20	2
17:06	W5	ME	819 875	809 700	2.6	1.30	16.88	6.52	83.1	1.8	34.76	8.19	2
							16.90	6.89	87.1	2.2	35.44	8.19	2
17:35	W6	ME	819 174	810 917	8.3	1.00	16.93	7.12	91.0	2.0	35.09	8.19	2
							16.94	7.13	90.9	2.1	34.94	8.19	3
						4.15	16.94	7.04	89.8	2.2	34.91	8.19	3
							16.95	7.06	90.1	2.2	34.98	8.19	2
						7.30	16.95	7.10	90.7	2.2	35.07	8.20	2
							16.95	6.70	85.6	2.3	34.98	8.20	2
17:26	W7	ME	820 055	810 523	7.1	1.00	16.93	7.19	91.7	3.6	34.89	8.20	2
							16.94	6.86	87.5	3.1	34.92	8.20	2
						3.55	16.94	7.18	91.6	2.9	34.86	8.20	2
							16.96	7.09	90.5	2.8	34.97	8.20	2
						6.10	16.96	6.83	87.2	2.7	35.01	8.20	3
							16.95	7.09	90.4	2.8	34.91	8.20	2
17:13	W8	ME	821 328	810 240	9.9	1.00	16.92	6.98	88.9	2.4	34.74	8.16	3
							16.92	7.16	90.8	2.2	33.85	8.16	2
						4.95	16.96	7.11	90.8	1.9	34.88	8.17	2
							16.95	6.80	86.8	1.9	34.89	8.17	2
						8.90	16.96	7.07	90.2	4.1	34.94	8.18	3
							16.97	6.89	88.0	5.3	35.02	8.18	3
16:30	W9	ME	819 045	807 953	9.0	1.00	16.89	7.16	91.4	4.6	35.16	8.26	4
							16.90	7.20	92.0	5.0	35.28	8.25	3
						4.50	16.91	7.34	93.8	6.0	35.19	8.24	4
							16.90	7.04	90.0	5.4	35.24	8.24	5
						8.00	16.91	7.43	95.0	5.6	35.27	8.24	5
							16.91	7.04	89.8	5.8	35.15	8.24	4

Remarks: MF - Middle Flood tide
ME - Middle Ebb tide

Contract No. 1/WSD/13 -
Improvement of Fresh Water Supply to Cheung Chau

Baseline Monitoring													
Sampling Date:		11-Jan-14											
Date / Time	Location	Tide*	Co-ordinates		Water Depth m	Sampling Depth m	Temp °C	DO Conc mg/L	DO Saturation %	Turbidity NTU	Salinity ppt	pH unit	SS mg/l
			East	North									
13:20	W1	MF	820 704	808 688	2.8	1.40	16.69	6.24	79.3	3.0	35.00	8.07	7
							16.74	6.32	80.3	2.9	34.95	8.08	8
13:15	W2	MF	820 656	808 631	2.8	1.40	16.94	6.22	79.3	3.1	34.79	8.08	5
							16.95	6.48	82.1	3.2	33.62	8.07	6
13:25	W3	MF	820 445	809 036	8.7	1.00	16.99	5.52	70.5	2.2	34.88	8.06	4
						16.97	6.05	77.2	2.9	34.98	8.06	4	
						4.35	16.63	6.06	76.9	3.3	34.87	8.07	3
						16.65	6.11	77.5	3.1	34.95	8.07	5	
						7.70	16.62	6.38	81.0	7.6	35.04	8.05	6
						16.62	6.33	80.3	8.2	35.03	8.04	5	
13:31	W4	MF	820 072	809 297	8.4	1.00	16.94	6.46	82.5	1.9	34.94	8.05	6
						16.85	6.36	81.1	2.4	35.02	8.04	4	
						4.20	16.61	6.26	79.5	3.0	35.03	8.03	6
						16.62	6.27	79.5	2.9	35.02	8.03	6	
						7.40	16.58	6.12	77.6	5.4	35.06	8.02	5
						16.58	6.52	82.6	5.1	35.04	8.03	4	
13:36	W5	MF	819 875	809 700	2.9	1.45	16.92	5.97	75.6	3.2	33.85	8.05	5
							16.91	6.48	82.7	3.3	35.02	8.05	5
13:56	W6	MF	819 174	810 917	8.1	1.00	16.99	6.29	80.3	2.6	34.92	8.08	4
						17.00	6.01	76.7	2.7	34.91	8.07	4	
						4.05	16.59	6.67	84.5	2.7	34.82	8.05	4
						16.57	6.18	77.9	2.6	33.93	8.05	5	
						7.10	16.38	6.19	78.1	4.8	35.00	8.03	6
						16.36	6.03	76.2	4.6	35.02	8.03	6	
13:50	W7	MF	820 055	810 523	6.6	1.00	16.99	5.84	74.6	2.1	34.92	8.06	6
						16.94	5.53	70.5	2.2	34.94	8.07	4	
						3.30	16.71	6.64	84.4	2.4	34.93	8.07	6
						16.69	6.63	84.1	2.4	34.94	8.07	5	
						5.60	16.61	6.76	85.7	2.8	34.96	8.07	6
						16.59	6.55	83.0	2.9	34.97	8.06	6	
13:42	W8	MF	821 328	810 240	9.7	1.00	16.94	6.11	77.9	2.4	34.82	8.07	4
						16.84	6.35	80.9	2.1	34.86	8.07	6	
						4.85	16.65	6.60	83.8	2.9	35.01	8.05	4
						16.66	6.39	81.2	3.2	35.00	8.05	5	
						8.70	16.61	6.40	81.2	5.6	35.00	8.05	4
						16.61	6.40	81.2	6.2	34.92	8.05	6	
13:05	W9	MF	819 045	807 953	9.4	1.00	17.01	6.98	89.2	3.5	35.02	8.15	5
						17.10	7.34	94.0	3.6	34.94	8.14	6	
						4.70	16.72	7.21	91.3	6.2	34.31	8.14	7
						16.74	7.22	91.9	6.9	35.18	8.14	8	
						8.40	16.69	7.18	91.3	9.0	35.30	8.14	10
						16.69	6.97	88.1	9.5	34.30	8.13	11	
9:12	W1	ME	820 704	808 688	2.9	1.45	16.55	6.33	80.0	2.9	34.55	8.08	4
							16.55	6.55	82.3	2.9	33.76	8.09	3
9:16	W2	ME	820 656	808 631	2.7	1.35	16.70	6.21	78.7	3.0	34.58	8.07	4
							16.70	6.57	83.3	3.6	34.60	8.08	5
9:05	W3	ME	820 445	809 036	8.2	1.00	16.58	6.76	85.5	4.5	34.57	8.07	6
						16.58	6.25	79.1	4.6	34.57	8.08	6	
						4.10	16.57	6.81	86.0	5.0	34.55	8.09	6
						16.56	6.26	79.1	4.8	34.52	8.09	6	
						7.20	16.56	6.65	84.0	4.5	34.50	8.09	7
						16.55	6.73	85.0	4.4	34.52	8.09	6	
8:57	W4	ME	820 072	809 297	8.8	1.00	16.61	6.88	87.1	3.0	34.51	8.06	5
						16.61	6.95	87.9	3.6	34.48	8.09	5	
						4.40	16.56	7.02	88.2	5.1	33.61	8.09	5
						16.55	6.93	87.3	5.5	33.90	8.08	6	
						7.80	16.55	6.82	85.5	7.5	33.20	8.08	5
						16.56	6.89	87.1	7.5	34.50	8.09	4	
8:48	W5	ME	819 875	809 700	2.7	1.35	16.55	6.82	86.0	3.2	34.26	8.08	5
							16.56	6.67	84.2	2.9	34.28	8.07	5
8:24	W6	ME	819 174	810 917	7.7	1.00	16.50	7.50	94.3	2.9	33.97	8.07	4
						16.53	7.85	98.8	2.8	33.95	8.09	3	
						3.85	16.45	7.61	95.5	3.1	32.85	8.07	5
						16.49	7.56	94.4	3.0	32.78	8.11	5	
						6.70	16.42	7.20	90.0	4.1	33.14	8.09	4
						16.43	6.90	86.7	4.2	34.01	8.09	4	
8:10	W7	ME	820 055	810 523	6.4	1.00	16.51	7.50	93.0	2.8	31.62	8.01	4
						16.52	7.35	91.9	3.0	33.05	8.02	5	
						3.20	16.44	7.06	88.4	2.7	33.43	8.03	5
						16.45	7.16	89.5	2.9	33.17	8.04	5	
						5.40	16.43	7.24	90.6	2.6	33.31	8.06	5
						16.41	7.04	88.1	2.7	33.36	8.04	5	
8:36	W8	ME	821 328	810 240	9.4	1.00	16.62	6.50	82.1	7.2	34.17	8.02	4
						16.62	6.65	83.6	7.0	33.36	8.05	4	
						4.70	16.58	6.95	87.0	5.0	33.01	8.07	5
						16.57	6.79	84.8	5.0	32.64	8.08	6	
						8.40	16.57	6.87	85.9	7.7	32.77	8.08	6
						16.59	6.66	83.5	8.2	33.11	8.08	8	
9:23	W9	ME	819 045	807 953	9.0	1.00	16.67	6.16	78.1	2.3	34.82	8.15	8
						16.72	6.26	79.5	3.3	34.78	8.17	8	
						4.50	16.69	6.94	87.8	4.8	34.50	8.17	7
						16.66	6.79	86.1	5.5	34.88	8.15	7	
						8.00	16.70	6.85	87.0	10.8	35.04	8.17	7
						16.69	6.53	82.8	10.6	34.81	8.15	8	

Remarks: MF - Middle Flood tide
ME - Middle Ebb tide

Contract No. 1/WSD/13 -
Improvement of Fresh Water Supply to Cheung Chau

Baseline Monitoring													
Sampling Date:		14-Jan-14											
Date / Time	Location	Tide*	Co-ordinates		Water Depth m	Sampling Depth m	Temp °C	DO Conc mg/L	DO Saturation %	Turbidity NTU	Salinity ppt	pH unit	SS mg/L
			East	North									
15:25	W1	MF	820 704	808 688	2.8	1.40	16.29	6.65	83.9	2.5	35.03	8.17	3
							16.28	7.08	89.3	2.5	35.06	8.16	3
15:20	W2	MF	820 656	808 631	2.7	1.35	16.44	6.37	80.5	3.7	34.90	8.17	4
							16.45	6.56	83.0	4.1	34.92	8.17	4
15:29	W3	MF	820 445	809 036	8.2	1.00	16.46	5.01	63.1	3.9	34.16	8.15	2
							16.48	5.10	64.2	4.3	34.15	8.15	3
						4.10	16.42	6.94	87.3	2.4	34.28	8.13	3
							16.41	6.97	87.7	2.2	34.19	8.14	3
						7.20	16.33	7.13	89.3	2.4	33.86	8.14	3
							16.31	7.08	88.8	2.5	34.20	8.14	4
15:36	W4	MF	820 072	809 297	8.6	1.00	16.40	6.46	81.6	2.3	35.01	8.11	4
							16.41	6.63	83.8	2.2	35.03	8.13	2
						4.30	16.37	6.84	86.3	2.3	35.04	8.13	4
							16.35	6.76	84.7	2.4	33.74	8.13	3
						7.60	16.30	6.40	80.7	3.8	35.08	8.14	4
							16.29	6.40	80.7	3.8	35.07	8.14	3
15:47	W5	MF	819 875	809 700	2.8	1.40	16.62	6.55	83.1	2.4	35.02	8.19	3
							16.57	6.43	81.5	2.4	35.04	8.20	3
16:03	W6	MF	819 174	810 917	8.3	1.00	16.52	5.84	74.0	1.7	34.98	8.17	3
							16.55	6.00	76.0	1.7	34.98	8.17	3
						4.15	16.50	6.30	79.8	1.5	35.04	8.18	2
							16.50	6.35	80.4	1.4	35.05	8.18	2
						7.30	16.31	6.34	79.9	1.8	35.05	8.17	2
							16.30	6.20	78.2	2.0	35.05	8.17	3
16:10	W7	MF	820 055	810 523	6.6	1.00	16.40	6.01	75.9	1.7	34.97	8.17	3
							16.48	5.79	73.2	1.8	34.94	8.18	3
						3.30	16.30	6.08	76.7	2.2	34.93	8.18	2
							16.29	6.26	78.8	2.4	34.94	8.17	2
						5.60	16.13	6.16	77.4	2.4	34.96	8.17	3
							16.12	6.25	78.5	2.5	34.97	8.17	2
15:55	W8	MF	821 328	810 240	9.2	1.00	16.37	5.68	71.7	2.1	34.94	8.16	4
							16.41	6.02	76.0	2.2	34.94	8.15	4
						4.60	16.40	6.43	81.3	2.2	34.98	8.15	4
							16.38	6.33	79.9	2.2	35.00	8.15	3
						8.20	16.32	6.21	78.3	2.9	35.06	8.15	4
							16.30	6.13	77.3	3.4	35.06	8.15	3
15:10	W9	MF	819 045	807 953	8.9	1.00	16.34	7.72	97.5	5.7	35.11	8.18	4
							16.33	7.72	97.5	5.1	35.11	8.19	4
						4.45	16.26	8.00	100.9	3.3	35.11	8.19	3
							16.26	8.00	100.9	3.3	35.11	8.20	4
						7.90	16.25	8.00	100.8	2.9	35.08	8.20	4
							16.20	8.03	101.0	3.1	35.02	8.20	4
10:40	W1	ME	820 704	808 688	2.7	1.35	16.02	6.72	84.1	8.9	34.55	8.15	7
							16.03	6.87	85.5	8.7	33.72	8.15	8
10:44	W2	ME	820 656	808 631	2.9	1.45	15.92	6.78	83.5	5.6	32.39	8.12	6
							15.95	6.91	86.2	5.1	34.56	8.15	6
10:32	W3	ME	820 445	809 036	8.7	1.00	16.13	6.72	84.6	3.4	34.47	8.12	4
							16.17	6.61	82.8	3.1	34.50	8.13	3
						4.35	16.16	7.59	95.2	2.8	34.56	8.14	4
							16.16	7.52	94.3	2.8	34.58	8.15	4
						7.70	16.15	6.98	87.6	3.0	34.58	8.15	4
							16.14	6.94	87.0	3.2	34.56	8.15	5
10:24	W4	ME	820 072	809 297	8.4	1.00	16.20	6.47	81.2	3.3	34.57	8.10	4
							16.20	6.73	84.5	3.2	34.57	8.11	4
						4.20	16.19	7.80	97.9	2.9	34.54	8.12	5
							16.20	7.72	96.9	3.1	34.59	8.13	4
						7.40	16.20	7.77	97.5	3.0	34.59	8.13	4
							16.17	7.70	96.6	3.3	34.61	8.13	6
10:16	W5	ME	819 875	809 700	2.5	1.25	16.08	6.29	78.8	4.1	34.48	8.12	4
							16.08	6.03	75.5	3.8	34.47	8.12	4
9:43	W6	ME	819 174	810 917	8.0	1.00	16.25	8.09	100.9	2.0	34.29	8.22	3
							16.25	8.36	104.8	2.0	34.19	8.22	3
						4.00	16.18	8.12	101.7	2.3	34.21	8.20	3
							16.18	7.89	98.8	2.2	34.26	8.20	4
						7.00	16.10	7.88	98.5	3.5	34.23	8.20	4
							16.10	7.75	96.9	3.2	34.24	8.20	4
9:30	W7	ME	820 055	810 523	6.6	1.00	15.70	7.85	96.8	3.9	33.30	8.03	4
							15.79	7.98	98.6	3.6	33.21	8.07	4
						3.30	15.82	7.82	96.9	3.4	33.65	8.14	5
							15.82	7.70	95.4	3.4	33.64	8.14	4
						5.60	15.81	7.69	95.3	3.7	33.69	8.14	6
							15.80	7.79	96.5	3.7	33.70	8.14	4
10:00	W8	ME	821 328	810 240	8.8	1.00	16.26	9.28	116.4	1.9	34.37	8.24	3
							16.27	8.98	112.7	1.9	34.37	8.23	3
						4.40	16.25	8.01	100.5	2.2	34.25	8.22	4
							16.25	7.83	98.3	2.1	34.38	8.21	3
						7.80	16.23	7.28	91.3	7.7	34.27	8.18	3
							16.23	7.17	89.9	6.9	34.36	8.18	3
10:52	W9	ME	819 045	807 953	9.1	1.00	16.05	6.10	76.3	6.6	34.60	8.16	3
							16.09	5.94	74.4	6.1	34.58	8.16	4
						4.55	16.06	6.99	87.5	3.8	34.54	8.17	4
							16.06	6.86	85.9	3.7	34.62	8.17	5
						8.10	16.00	6.97	87.2	4.3	34.68	8.18	4
							15.99	6.79	85.0	4.5	34.69	8.18	5

Remarks: MF - Middle Flood tida
ME - Middle Ebb tida

Contract No. 1/WSD/13 -
Improvement of Fresh Water Supply to Cheung Chau

Baseline Monitoring													
Sampling Date:		16-Jan-14											
Date / Time	Location	Tide*	Co-ordinates		Water Depth m	Sampling Depth m	Temp °C	DO Conc mg/L	DO Saturatio %	Turbidit y NTU	Salinity ppt	pH unit	SS mg/l
			East	North									
16:39	W1	MF	820 704	808 688	2.9	1.45	16.8	8.38	99.9	4.93	32.78	8.15	7
							16.8	8.43	100.6	5.02	32.79	8.15	6
16:32	W2	MF	820 656	808 631	2.8	1.40	16.9	8.34	98.7	4.56	32.71	8.15	4
							16.9	8.43	99.9	3.99	32.77	8.15	2
16:45	W3	MF	820 445	809 036	8.6	1.00	16.5	8.10	98.1	5.87	32.78	8.13	4
							16.5	8.17	99.0	5.94	32.80	8.13	2
						4.30	16.5	8.32	100.7	6.51	32.79	8.12	4
							16.5	8.29	100.3	6.82	32.79	8.12	4
						7.60	16.5	8.32	100.7	6.20	32.79	8.12	4
							16.5	8.26	100.0	6.36	32.79	8.12	4
16:57	W4	MF	820 072	809 297	8.5	1.00	16.5	8.11	98.1	7.08	32.72	8.13	5
							16.5	8.16	98.9	6.92	32.79	8.13	4
						4.25	16.5	8.28	100.2	6.44	32.79	8.12	4
							16.5	8.25	99.8	6.71	32.79	8.12	5
						7.50	16.5	8.30	100.3	7.12	32.79	8.11	5
							16.5	8.18	98.9	7.05	32.79	8.11	4
17:11	W5	MF	819 875	809 700	2.8	1.40	17.1	8.07	94.0	5.11	32.65	8.13	4
							17.1	8.12	94.8	5.01	32.78	8.12	4
17:35	W6	MF	819 174	810 917	8.1	1.00	16.7	7.99	95.6	5.78	32.74	8.14	4
							16.7	8.09	96.9	5.94	32.77	8.14	3
						4.05	16.7	8.25	98.9	6.78	32.78	8.14	4
							16.7	8.21	98.4	6.55	32.77	8.14	4
						7.10	16.6	8.29	99.8	6.64	32.78	8.13	3
							16.7	8.21	98.3	5.90	32.78	8.13	4
17:49	W7	MF	820 055	810 523	6.6	1.00	16.8	7.90	92.9	4.93	32.53	8.10	3
							16.8	7.95	94.1	4.77	32.73	8.10	3
						3.30	16.8	8.08	95.7	5.08	32.77	8.10	4
							16.8	8.06	95.5	5.23	32.76	8.10	3
						5.60	16.5	8.22	99.0	6.14	32.74	8.09	3
							16.5	8.17	98.4	5.79	32.76	8.09	4
17:23	W8	MF	821 328	810 240	8.8	1.00	16.6	7.92	95.4	6.22	32.76	8.14	4
							16.6	7.97	96.0	6.07	32.75	8.14	4
						4.40	16.6	8.06	97.0	6.48	32.77	8.13	5
							16.6	8.04	96.7	6.23	32.77	8.12	4
						7.80	16.6	8.16	98.2	7.42	32.77	8.13	5
							16.6	8.18	98.5	7.54	32.77	8.13	5
16:18	W9	MF	819 045	807 953	9.3	1.00	16.5	8.42	101.0	8.64	32.57	8.10	7
							16.5	8.42	101.3	8.93	32.67	8.10	7
						4.65	16.5	8.41	101.4	9.74	32.72	8.11	7
							16.5	8.37	101.0	10.30	32.73	8.11	8
						8.30	16.4	8.33	101.0	8.88	32.72	8.10	9
							16.4	8.25	100.0	9.40	32.73	8.10	8
12:25	W1	ME	820 704	808 688	2.8	1.40	16.4	8.38	102.2	5.58	32.79	8.13	5
							16.4	8.44	103.0	6.02	32.81	8.13	5
12:36	W2	ME	820 656	808 631	2.9	1.45	16.5	8.51	102.9	5.71	32.80	8.11	6
							16.5	8.44	102.1	5.49	32.80	8.11	7
12:21	W3	ME	820 445	809 036	8.8	1.00	16.4	7.90	95.0	7.16	32.49	8.09	5
							16.4	7.90	95.1	6.99	32.54	8.09	4
						4.40	16.4	8.06	97.7	6.51	32.78	8.09	6
							16.4	8.07	97.8	6.42	32.79	8.08	5
						7.80	16.3	8.13	99.1	7.26	32.79	8.08	4
							16.3	8.11	99.0	7.34	32.79	8.09	6
12:09	W4	ME	820 072	809 297	8.1	1.00	16.5	8.11	96.7	6.21	32.33	8.11	4
							16.5	8.01	95.3	6.60	32.29	8.11	4
						4.05	16.4	8.12	98.6	7.04	32.78	8.10	4
							16.4	8.10	98.4	6.87	32.78	8.10	5
						7.10	16.3	8.11	99.0	7.79	32.79	8.09	8
							16.3	8.10	98.9	7.71	32.79	8.09	6
11:51	W5	ME	819 875	809 700	2.7	1.35	16.7	8.15	96.6	4.84	32.77	8.05	5
							16.7	8.16	96.8	4.69	32.77	8.06	3
11:30	W6	ME	819 174	810 917	7.9	1.00	16.8	8.22	89.8	5.52	30.74	7.96	4
							16.5	8.19	92.1	5.71	30.77	8.04	2
						3.95	16.4	8.22	99.1	6.92	32.70	8.06	3
							16.4	8.24	99.3	7.01	32.75	8.05	4
						6.90	16.3	8.19	99.4	7.05	32.78	8.05	5
							16.3	8.11	98.5	7.43	32.78	8.05	4
11:11	W7	ME	820 055	810 523	6.2	1.00	16.5	8.24	92.1	4.23	31.72	7.75	3
							16.4	8.29	93.8	4.61	31.77	7.79	2
						3.10	16.2	8.25	98.9	5.17	32.73	7.91	3
							16.2	8.23	98.8	5.34	32.74	7.92	3
						5.20	16.1	8.12	98.4	4.70	32.75	7.94	2
							16.1	8.06	97.8	4.44	32.75	7.95	4
11:43	W8	ME	821 328	810 240	8.5	1.00	16.3	9.49	108.1	6.58	30.68	8.07	4
							16.5	9.66	109.2	7.04	30.64	8.12	4
						4.25	16.4	8.45	103.0	5.43	32.76	8.14	5
							16.4	8.44	102.8	5.81	32.77	8.13	4
						7.50	16.3	8.37	102.4	4.92	32.76	8.12	3
							16.3	8.32	101.8	5.07	32.76	8.12	5
12:53	W9	ME	819 045	807 953	8.9	1.00	16.5	7.93	95.9	11.10	32.71	8.13	9
							16.5	7.98	96.4	10.40	32.72	8.12	9
						4.45	16.3	8.08	98.5	13.50	32.71	8.10	12
							16.3	8.03	97.9	14.20	32.72	8.10	12
						7.90	16.3	7.99	97.2	14.50	32.73	8.08	14
							16.3	7.95	96.7	13.20	32.73	8.08	14

Remarks: MF - Middle Flood tide
ME - Middle Ebb tide

Contract No. 1/WSD/13 -
Improvement of Fresh Water Supply to Cheung Chau

Baseline Monitoring													
Sampling Date:		18-Jan-14											
Date / Time	Location	Tide*	Co-ordinates		Water Depth m	Sampling Depth m	Temp °C	DO Conc mg/L	DO Saturatio %	Turbidit y NTU	Salinity ppt	pH unit	SS mg/l
			East	North									
9:36	W1	MF	820 704	808 688	2.7	1.35	16.3	7.74	96.2	3.76	32.65	8.07	3
							16.3	7.71	95.8	4.01	32.73	8.06	3
9:43	W2	MF	820 656	808 631	2.8	1.40	16.1	7.69	95.3	4.14	32.66	8.02	4
							16.1	7.69	95.2	4.23	32.67	8.02	3
9:24	W3	MF	820 445	809 036	8.7	1.00	16.3	7.86	97.6	6.06	32.48	8.03	4
							16.4	7.75	96.4	6.20	32.72	8.03	3
						4.35	16.3	7.90	98.3	6.84	32.73	8.03	3
							16.3	7.88	98.0	6.93	32.73	8.03	4
						7.70	16.3	7.86	97.9	7.11	32.73	8.03	3
							16.3	7.81	97.3	7.25	32.73	8.03	3
9:13	W4	MF	820 072	809 297	8.3	1.00	16.3	7.83	96.8	6.99	31.73	8.02	3
							16.4	7.74	96.3	7.12	32.60	8.02	4
						4.15	16.3	7.85	97.7	7.57	32.73	8.03	2
							16.3	7.83	97.5	7.71	32.73	8.03	3
						7.30	16.3	7.84	97.6	7.23	32.73	8.03	4
							16.3	7.84	97.5	7.50	32.73	8.03	5
9:05	W5	MF	819 875	809 700	2.9	1.45	16.3	7.96	99.0	5.26	32.75	8.01	2
							16.3	7.94	98.8	5.04	32.75	8.01	2
8:45	W6	MF	819 174	810 917	8.5	1.00	16.4	7.76	96.6	5.07	32.68	8.01	3
							16.4	7.76	96.7	5.15	32.72	8.01	2
						4.25	16.4	7.87	98.0	6.23	32.73	8.00	4
							16.4	7.84	97.6	6.04	32.73	8.00	3
						7.50	16.4	7.92	98.7	6.66	32.73	8.00	2
							16.4	7.89	98.3	6.82	32.74	8.00	3
8:35	W7	MF	820 055	810 523	6.3	1.00	16.4	8.14	101.4	4.21	32.73	7.91	2
							16.4	8.10	100.9	4.10	32.74	7.93	3
						3.15	16.3	8.21	102.1	4.93	32.75	7.96	3
							16.3	8.12	101.0	5.14	32.75	7.96	2
						5.30	16.3	8.08	100.4	5.72	32.75	7.96	3
							16.3	8.08	100.4	5.55	32.75	7.96	4
8:53	W8	MF	821 328	810 240	9.1	1.00	16.4	7.78	96.9	7.07	32.57	8.00	3
							16.4	7.85	97.8	7.12	32.71	8.00	3
						4.55	16.4	7.90	98.5	6.53	32.73	7.99	3
							16.4	7.92	98.7	6.71	32.73	8.00	3
						8.10	16.4	7.91	98.6	7.33	32.73	7.99	2
							16.4	7.90	98.5	7.50	32.73	7.99	3
9:51	W9	MF	819 045	807 953	9.7	1.00	16.4	7.52	93.5	7.47	32.19	8.06	3
							16.4	7.50	93.5	7.64	32.64	8.06	4
						4.85	16.4	7.59	94.6	7.98	32.68	8.05	3
							16.4	7.57	94.4	8.12	32.68	8.05	4
						8.70	16.4	7.64	95.2	8.43	32.70	8.05	4
							16.4	7.65	95.2	8.33	32.71	8.05	4
12:34	W1	ME	820 704	808 688	2.5	1.25	16.6	7.88	98.6	4.72	32.73	8.10	4
							16.6	7.93	99.2	5.06	32.73	8.11	2
12:27	W2	ME	820 656	808 631	2.7	1.35	16.6	8.04	100.6	4.55	32.73	8.13	2
							16.6	8.01	100.3	4.37	32.73	8.12	3
12:40	W3	ME	820 445	809 036	8.2	1.00	16.5	7.89	98.6	6.21	32.73	8.13	2
							16.6	7.86	98.3	6.60	32.73	8.13	2
						4.10	16.5	7.98	99.5	6.93	32.72	8.12	3
							16.4	7.99	99.7	7.16	32.73	8.12	3
						7.20	16.4	8.05	100.3	7.17	32.73	8.11	4
							16.4	8.02	100.0	7.30	32.73	8.11	5
12:56	W4	ME	820 072	809 297	8.0	1.00	16.6	7.68	96.0	6.63	32.69	8.12	4
							16.6	7.67	95.9	6.79	32.70	8.11	3
						4.00	16.5	7.81	97.6	7.36	32.71	8.11	4
							16.5	7.84	97.9	7.55	32.72	8.10	4
						7.00	16.4	7.95	99.1	7.04	32.73	8.10	3
							16.4	7.99	99.5	7.24	32.74	8.10	4
13:07	W5	ME	819 875	809 700	2.7	1.35	16.7	8.02	100.4	5.40	32.75	8.13	3
							16.7	8.07	101.1	5.66	32.75	8.13	3
13:29	W6	ME	819 174	810 917	8.2	1.00	16.6	7.89	98.8	5.12	32.71	8.14	3
							16.6	7.91	99.0	5.24	32.72	8.14	2
						4.10	16.5	8.01	100.0	5.83	32.73	8.13	3
							16.4	8.01	99.9	5.97	32.74	8.13	3
						7.20	16.4	8.11	101.1	6.43	32.73	8.13	5
							16.4	8.05	100.4	6.61	32.74	8.12	4
13:42	W7	ME	820 055	810 523	6.5	1.00	16.9	7.83	98.4	4.22	32.59	8.14	2
							16.9	7.99	100.6	4.34	32.75	8.13	2
						3.25	16.6	8.10	101.3	4.78	32.71	8.13	3
							16.5	8.14	101.7	4.93	32.75	8.13	3
						5.50	16.4	8.23	102.6	5.57	32.72	8.12	2
							16.4	8.19	102.1	5.64	32.75	8.12	4
13:16	W8	ME	821 328	810 240	9.2	1.00	16.8	8.11	101.7	6.74	32.73	8.14	3
							16.8	8.20	102.9	6.97	32.74	8.13	2
						4.60	16.5	8.37	104.5	7.17	32.74	8.13	3
							16.5	8.35	104.3	7.31	32.74	8.13	3
						8.20	16.5	8.30	103.5	7.42	32.74	8.12	2
							16.5	8.25	102.8	7.55	32.74	8.12	2
12:16	W9	ME	819 045	807 953	9.4	1.00	16.6	7.87	98.3	7.77	32.49	8.10	4
							16.6	7.84	98.1	7.86	32.71	8.08	3
						4.70	16.6	7.84	98.0	7.41	32.71	8.09	3
							16.6	7.84	98.1	7.30	32.70	8.09	3
						8.40	16.5	7.92	98.8	8.05	32.71	8.09	3
							16.5	7.88	98.3	7.91	32.71	8.09	3

Remarks: MF - Middle Flood tida
ME - Middle Ebb tida

Contract No. 1/WSD/13 -
Improvement of Fresh Water Supply to Cheung Chau

Baseline Monitoring													
Sampling Date:	21-Jan-14												
Date / Time	Location	Tide*	Co-ordinates		Water Depth m	Sampling Depth m	Temp °C	DO Conc mg/L	DO Saturation %	Turbidity NTU	Salinity ppt	pH unit	SS mg/l
			East	North									
10:25	W1	MF	820 704	808 688	2.9	1.45	15.78	5.76	71.8	2.3	34.67	8.39	4
							15.80	5.58	69.5	2.6	34.66	8.38	4
10:33	W2	MF	820 656	808 631	2.8	1.40	15.82	5.08	63.3	2.5	34.62	8.37	3
							15.81	5.22	65.0	2.3	34.63	8.37	5
10:10	W3	MF	820 445	809 036	8.2	1.00	15.81	5.99	74.6	2.2	34.54	8.35	4
							15.80	5.66	70.5	2.0	34.57	8.35	3
						4.10	15.80	5.79	72.1	2.1	34.63	8.35	2
							15.78	5.59	69.6	2.4	34.68	8.35	3
							15.77	5.40	67.3	3.6	34.77	8.36	5
							15.77	5.34	66.6	3.2	34.77	8.36	5
9:50	W4	MF	820 072	809 297	8.6	1.00	15.99	6.32	79.0	2.6	34.50	8.34	5
							15.99	6.32	79.0	2.2	34.51	8.34	4
						4.30	15.98	6.37	79.6	2.6	34.59	8.33	4
							15.98	6.17	77.1	2.5	34.59	8.33	4
							15.97	5.69	71.2	2.9	34.69	8.32	5
							15.97	5.77	72.2	2.3	34.69	8.32	4
9:42	W5	MF	819 875	809 700	3.3	1.00	15.85	7.56	94.2	1.8	34.48	8.39	4
							15.85	7.59	94.6	1.8	34.51	8.39	3
						2.30	15.80	7.12	88.6	1.6	34.57	8.39	3
							15.79	7.02	87.4	1.6	34.59	8.39	3
							15.94	9.03	112.7	1.5	34.33	8.29	4
							15.94	8.67	108.1	1.6	34.34	8.29	3
9:10	W6	MF	819 174	810 917	7.9	1.00	15.94	8.42	105.0	1.5	34.37	8.28	5
							15.94	8.24	102.7	2.3	34.39	8.28	4
						3.95	15.90	8.22	102.5	1.9	34.42	8.29	4
							15.90	7.88	98.2	2.1	34.43	8.29	5
							15.74	10.35	128.5	1.8	34.28	8.34	3
							15.74	10.15	126.0	1.6	34.28	8.35	4
8:56	W7	MF	820 055	810 523	6.7	3.35	15.72	10.38	128.9	1.4	34.31	8.34	4
							15.72	10.16	126.2	2.1	34.32	8.35	2
						5.70	15.68	10.51	130.4	2.1	34.36	8.35	3
							15.68	10.17	126.2	1.9	34.36	8.35	3
							16.01	8.19	102.3	1.7	34.43	8.32	3
							16.01	8.19	102.3	1.8	34.44	8.32	2
9:27	W8	MF	821 328	810 240	9.6	1.00	16.00	7.61	95.1	2.2	34.48	8.31	4
							16.00	7.38	92.3	1.8	34.48	8.31	4
						4.80	15.99	7.20	90.0	1.9	34.55	8.31	4
							15.99	7.22	90.2	1.8	34.57	8.31	5
							15.86	5.31	66.2	1.9	34.62	8.39	4
							15.86	5.22	65.1	2.1	34.65	8.39	5
10:44	W9	MF	819 045	807 953	9.1	4.55	15.85	4.95	61.8	1.7	34.81	8.37	6
							15.85	5.00	62.4	1.7	34.81	8.37	5
						8.10	15.79	5.04	62.9	1.9	34.89	8.37	6
							15.79	4.87	60.7	2.2	34.89	8.37	4
							16.06	7.28	91.3	1.8	34.82	8.29	4
							16.08	7.52	94.3	2.0	34.83	8.29	3
14:31	W2	ME	820 656	808 631	2.7	1.35	16.30	8.73	109.9	1.8	34.73	8.26	3
							16.27	8.56	107.7	1.7	34.77	8.26	4
14:47	W3	ME	820 445	809 036	7.7	1.00	15.92	6.53	81.7	1.7	34.80	8.29	3
							15.90	6.39	79.9	1.7	34.81	8.28	2
						3.85	15.85	6.07	75.8	2.2	34.91	8.26	5
							15.85	6.54	81.8	1.9	34.91	8.26	4
							15.82	5.93	74.0	2.4	34.98	8.25	7
							15.83	6.13	76.5	2.6	34.98	8.25	6
15:04	W4	ME	820 072	809 297	8.4	1.00	16.18	5.95	74.8	1.2	34.76	8.31	4
							16.18	5.82	73.1	1.2	34.76	8.31	4
						4.20	16.02	5.88	73.7	2.0	34.90	8.30	4
							16.02	5.96	74.7	2.0	34.90	8.30	3
							15.85	5.59	69.8	2.9	34.99	8.27	3
							15.85	5.49	68.6	2.6	34.99	8.26	4
15:22	W5	ME	819 875	809 700	2.9	1.45	16.45	5.03	63.6	1.4	34.83	8.33	4
							16.45	4.98	62.9	1.4	34.83	8.33	5
15:58	W6	ME	819 174	810 917	7.7	1.00	16.23	4.61	58.0	1.4	34.79	8.35	4
							16.22	4.15	52.2	1.4	34.79	8.35	3
						3.85	16.07	4.27	53.6	1.4	34.91	8.34	6
							16.07	4.52	56.7	1.4	34.92	8.34	5
							15.96	4.55	57.0	1.5	34.99	8.34	7
							15.94	4.43	55.5	1.5	35.01	8.34	6
16:13	W7	ME	820 055	810 523	6.7	1.00	16.25	6.65	83.7	1.1	34.80	8.48	5
							16.25	6.81	85.6	1.1	34.81	8.47	5
						3.35	15.91	6.64	83.1	2.9	34.98	8.49	3
							15.90	6.43	80.4	2.7	34.98	8.48	4
							15.77	5.66	70.6	4.8	35.03	8.43	5
							15.78	5.54	69.2	4.5	35.03	8.43	5
15:39	W8	ME	821 328	810 240	8.4	1.00	16.33	4.97	62.6	1.0	34.82	8.35	4
							16.33	4.97	62.6	1.0	34.82	8.35	2
						4.20	16.13	4.94	62.1	1.2	34.97	8.41	4
							16.13	4.98	62.5	1.1	34.98	8.41	5
							16.02	4.83	60.6	1.8	35.03	8.35	3
							16.02	4.69	58.8	2.1	35.03	8.34	4
14:17	W9	ME	819 045	807 953	9.0	1.00	16.07	8.95	112.2	2.3	34.70	8.04	4
							16.06	8.90	111.5	2.0	34.67	8.07	4
						4.50	15.95	8.78	109.9	2.0	34.82	8.13	3
							15.96	8.85	110.8	2.2	34.82	8.13	3
							15.86	9.14	114.3	1.5	34.97	8.17	4
							15.86	9.17	114.7	1.7	34.97	8.17	4

Remarks: MF - Middle Flood tida
ME - Middle Ebb tida

Contract No. 1/WSD/13 -
Improvement of Fresh Water Supply to Cheung Chau

Baseline Monitoring														
Sampling Date:		23-Jan-14												
Date / Time	Location	Tide*	Co-ordinates		Water Depth m	Sampling Depth m	Temp °C	DO Conc mg/L	DO Saturatio %	Turbidit y NTU	Salinity ppt	pH unit	SS mg/l	
			East	North										
11:00	W1	MF	820 704	808 688	2.7	1.35	15.66	9.23	114.6	2.3	34.54	8.29	3	
							15.65	9.24	114.8	2.5	34.54	8.29	3	
11:07	W2	MF	820 656	808 631	2.9	1.45	15.75	8.79	109.5	1.8	34.69	8.26	2	
							15.76	8.81	109.7	1.8	34.69	8.26	3	
10:46	W3	MF	820 445	809 036	8.6	1.00	15.80	9.69	120.7	2.5	34.56	8.35	4	
							15.80	9.67	120.4	2.2	34.56	8.35	3	
							4.30	15.65	9.69	120.4	2.7	34.69	8.36	4
								15.65	9.70	120.5	2.9	34.65	8.36	4
							7.60	15.60	9.72	120.6	3.5	34.64	8.36	3
								15.60	9.72	120.6	3.3	34.66	8.36	4
10:31	W4	MF	820 072	809 297	8.4	1.00	15.70	8.21	102.0	2.1	34.49	8.37	3	
							15.72	8.51	105.8	2.0	34.50	8.36	3	
							4.20	15.63	9.49	117.9	5.0	34.60	8.36	7
								15.63	9.54	118.4	4.6	34.61	8.36	6
							7.40	15.57	9.67	119.9	6.4	34.65	8.36	7
								15.57	9.69	120.2	5.7	34.68	8.36	6
10:23	W5	MF	819 875	809 700	2.8	1.40	15.63	8.61	106.8	7.3	34.53	8.34	7	
							15.68	8.83	109.6	7.6	34.51	8.34	6	
10:00	W6	MF	819 174	810 917	8.3	1.00	15.66	8.90	110.2	6.9	34.03	8.35	7	
							15.66	9.24	114.3	7.1	33.91	8.35	7	
							4.15	15.52	9.92	122.6	5.4	34.32	8.34	6
								15.53	9.92	122.7	5.3	34.32	8.34	8
							7.30	15.42	10.06	124.2	5.9	34.36	8.37	8
								15.42	10.10	124.7	6.3	34.35	8.37	10
9:47	W7	MF	820 055	810 523	6.6	1.00	15.56	8.96	109.6	6.1	32.38	8.28	10	
							15.56	9.27	113.6	6.2	32.62	8.31	10	
							3.30	15.39	9.70	119.4	5.5	34.01	8.38	9
								15.39	9.70	119.4	5.1	34.03	8.38	10
							5.60	15.37	10.10	124.4	4.9	34.10	8.37	8
								15.36	10.17	125.2	5.2	34.15	8.37	8
10:12	W8	MF	821 328	810 240	8.9	1.00	15.66	10.24	127.1	3.4	34.50	8.36	5	
							15.66	10.25	127.2	3.3	34.50	8.36	5	
							4.45	15.60	10.28	127.5	3.8	34.57	8.36	5
								15.59	10.28	127.5	4.1	34.57	8.36	4
							7.90	15.55	10.06	124.7	4.2	34.61	8.35	4
								15.55	10.04	124.5	4.4	34.59	8.35	4
11:18	W9	MF	819 045	807 953	9.9	1.00	15.89	8.13	101.4	5.0	34.44	8.26	5	
							15.90	8.13	101.3	5.6	34.45	8.26	4	
							4.95	15.75	8.78	109.2	4.9	34.64	8.30	5
								15.74	8.78	109.3	4.6	34.65	8.31	6
							8.90	15.52	9.42	116.8	6.6	34.78	8.34	6
								15.51	9.50	117.8	6.2	34.78	8.34	4
15:42	W1	ME	820 704	808 688	2.8	1.40	16.01	8.43	105.7	4.3	34.99	8.29	5	
							16.00	8.83	110.7	4.2	34.95	8.29	4	
15:34	W2	ME	820 656	808 631	2.9	1.45	16.09	8.21	102.0	5.5	33.24	8.28	4	
							16.09	8.69	108.3	5.2	33.70	8.28	5	
15:52	W3	ME	820 445	809 036	8.5	1.00	15.87	8.99	112.2	5.0	34.81	8.41	4	
							15.87	8.99	112.2	5.1	34.67	8.41	5	
							4.25	15.56	9.82	121.9	13.5	34.82	8.37	17
								15.55	9.87	122.6	13.8	34.93	8.37	17
							7.50	15.56	9.51	118.4	12.1	35.34	8.31	15
								15.56	9.52	118.6	11.6	35.37	8.31	17
16:05	W4	ME	820 072	809 297	8.3	1.00	15.84	8.69	108.6	5.0	34.84	8.33	6	
							15.85	8.92	111.4	5.1	34.87	8.34	6	
							4.15	15.75	9.97	123.6	5.2	34.10	8.34	6
								15.74	9.92	123.9	5.1	35.12	8.34	5
							7.30	15.57	9.99	124.4	4.9	35.25	8.34	5
								15.56	10.03	124.8	4.6	35.22	8.35	4
16:17	W5	ME	819 875	809 700	2.6	1.30	16.05	8.37	105.0	4.3	34.93	8.38	6	
							16.06	8.57	107.5	4.2	34.81	8.37	4	
16:46	W6	ME	819 174	810 917	8.6	1.00	15.79	8.29	103.5	6.0	34.95	8.29	9	
							15.79	8.54	106.6	5.7	34.92	8.30	10	
							4.30	15.77	9.68	120.8	4.9	35.05	8.30	9
								15.76	9.72	121.3	5.2	35.08	8.30	9
							7.60	15.73	9.73	121.5	4.3	35.15	8.30	9
								15.73	9.73	121.4	4.2	35.14	8.30	8
16:59	W7	ME	820 055	810 523	6.2	1.00	15.74	9.56	119.1	3.8	34.82	8.41	3	
							15.74	9.75	121.3	4.1	34.75	8.41	3	
							3.10	15.70	10.30	128.4	2.8	34.97	8.41	2
								15.70	10.30	128.4	2.6	34.95	8.40	3
							5.20	15.61	10.50	130.6	3.5	34.98	8.40	4
								15.61	10.54	130.8	3.4	34.68	8.40	5
16:33	W8	ME	821 328	810 240	9.2	1.00	15.78	8.29	103.3	1.6	34.69	8.33	3	
							15.79	8.55	106.5	1.6	34.71	8.33	4	
							4.60	15.79	9.18	114.5	2.2	34.92	8.32	5
								15.79	9.18	114.5	2.1	34.97	8.32	4
							8.20	15.66	9.62	119.8	8.5	34.95	8.31	6
								15.66	9.62	119.8	7.7	35.01	8.30	4
15:20	W9	ME	819 045	807 953	9.4	1.00	15.94	9.31	116.1	4.0	34.22	8.36	3	
							15.94	9.18	114.4	3.8	34.25	8.36	2	
							4.70	15.80	8.83	110.0	4.0	34.65	8.30	4
								15.78	8.81	109.7	3.9	34.68	8.30	2
							8.40	15.58	8.92	110.9	3.9	34.91	8.34	3
								15.56	9.21	114.4	3.8	34.92	8.35	5

Remarks: MF - Middle Flood tida
ME - Middle Ebb tida

Contract No. 1/WSD/13 -
Improvement of Fresh Water Supply to Cheung Chau

Baseline Monitoring													
Sampling Date:		25-Jan-14											
Date / Time	Location	Tide*	Co-ordinates		Water Depth m	Sampling Depth m	Temp °C	DO Conc mg/L	DO Saturatio %	Turbidit y NTU	Salinity ppt	pH unit	SS mg/l
			East	North									
12:09	W1	MF	820 704	808 688	2.7	1.35	16.04	6.95	85.8	1.1	32.47	8.15	2
							16.03	7.06	88.0	1.1	33.89	8.14	2
12:17	W2	MF	820 656	808 631	2.7	1.35	16.28	7.30	91.5	3.0	33.92	8.09	3
							16.29	7.37	92.2	2.8	33.92	8.08	2
11:55	W3	MF	820 445	809 036	8.4	1.00	16.12	7.38	92.1	2.3	33.86	7.94	5
							16.11	7.68	95.8	2.2	33.87	7.94	3
						4.20	16.07	8.11	100.8	1.8	33.35	7.95	5
							16.04	8.26	102.5	1.8	33.16	7.95	4
						7.40	15.96	8.37	104.1	2.3	33.81	7.95	4
							15.96	8.42	104.1	2.3	32.83	7.94	5
11:40	W4	MF	820 072	809 297	8.3	1.00	16.10	5.73	71.5	1.8	33.71	8.00	5
							16.11	6.16	76.7	1.7	33.69	7.99	7
						4.15	15.99	6.95	86.4	1.9	33.69	7.96	6
							15.98	7.11	88.4	1.8	33.78	7.95	6
						7.30	15.94	7.52	93.5	3.7	33.82	7.94	6
							15.94	7.58	94.2	3.9	33.86	7.94	7
11:31	W5	MF	819 875	809 700	2.9	1.45	16.14	5.94	74.2	1.6	33.88	8.05	3
							16.15	6.00	74.9	1.6	33.79	8.05	4
11:06	W6	MF	819 174	810 917	7.5	1.00	16.14	7.93	98.8	2.6	33.61	8.22	4
							16.13	7.98	99.3	2.5	33.34	8.22	3
						3.75	16.12	9.43	117.6	2.2	33.68	8.18	2
							16.11	9.30	115.9	2.4	33.67	8.19	3
						6.50	16.11	9.58	119.5	3.5	33.84	8.18	6
							16.11	9.68	120.8	3.3	33.83	8.18	4
10:52	W7	MF	820 055	810 523	6.3	1.00	16.14	10.18	125.7	3.1	32.12	8.15	4
							16.13	10.18	125.8	3.0	32.25	8.19	3
						3.15	16.07	10.16	126.1	1.8	33.08	8.23	3
							16.07	10.33	128.2	2.0	33.13	8.23	4
						5.30	16.06	10.83	134.4	1.9	33.14	8.23	6
							16.05	10.90	135.3	1.9	33.21	8.23	6
11:18	W8	MF	821 328	810 240	9.9	1.00	16.10	4.66	57.9	1.7	33.63	8.21	3
							16.07	4.52	56.2	1.9	33.64	8.20	3
						4.95	16.03	5.81	72.4	1.5	33.90	8.20	5
							16.04	5.96	74.3	1.4	33.88	8.21	6
						8.90	16.06	7.45	92.4	4.7	32.90	8.24	5
							16.06	7.42	92.0	5.0	32.90	8.23	5
12:33	W9	MF	819 045	807 953	9.2	1.00	16.03	6.34	78.8	2.1	33.55	8.09	4
							16.04	6.33	78.8	2.0	33.58	8.08	4
						4.60	15.85	7.51	93.2	1.6	33.86	8.05	4
							15.86	7.49	93.0	1.5	33.84	8.05	3
						8.20	15.95	7.19	89.5	2.5	34.00	8.03	4
							15.95	7.52	93.6	2.6	33.98	8.03	3
16:30	W1	ME	820 704	808 688	2.9	1.45	16.16	8.87	111.1	1.9	34.35	8.10	2
							16.17	8.92	111.7	1.9	34.34	8.11	2
16:22	W2	ME	820 656	808 631	2.8	1.40	16.19	8.58	107.5	2.9	34.40	8.12	4
							16.19	8.69	109.0	2.5	34.40	8.12	2
16:39	W3	ME	820 445	809 036	8.6	1.00	16.10	8.82	110.3	1.7	34.34	8.14	4
							16.13	8.84	110.6	1.9	34.35	8.13	3
						4.30	15.99	8.87	110.8	2.2	34.36	8.13	5
							15.96	9.24	115.2	2.4	34.37	8.13	4
						7.60	15.91	8.94	111.5	3.2	34.45	8.13	7
							15.91	9.13	113.9	3.3	34.47	8.13	5
16:52	W4	ME	820 072	809 297	8.4	1.00	16.28	8.94	112.2	1.4	34.29	8.11	4
							16.28	8.79	110.4	1.4	34.29	8.12	3
						4.20	15.97	9.02	112.6	1.9	34.36	8.12	2
							15.94	9.20	114.8	2.2	34.38	8.13	2
						7.40	15.91	9.13	113.8	3.4	34.45	8.13	2
							15.91	9.14	114.0	3.3	34.46	8.13	2
17:07	W5	ME	819 875	809 700	2.7	1.35	16.51	8.29	104.6	1.6	34.42	8.18	3
							16.50	8.29	104.6	1.6	34.42	8.19	4
17:41	W6	ME	819 174	810 917	7.8	1.00	16.43	8.03	101.1	1.4	34.41	8.27	3
							16.42	8.50	107.1	1.4	34.41	8.28	3
						3.90	16.24	9.32	117.0	1.7	34.50	8.27	2
							16.23	9.32	117.0	1.9	34.50	8.27	3
						6.80	16.20	9.44	118.5	1.7	34.56	8.29	3
							16.20	9.77	122.6	1.5	34.57	8.29	3
17:53	W7	ME	820 055	810 523	6.5	1.00	16.38	9.69	122.0	1.4	34.48	8.27	2
							16.34	9.69	121.9	1.5	34.47	8.27	2
						3.25	16.24	9.85	123.7	1.6	34.50	8.26	2
							16.25	9.85	123.7	1.5	34.53	8.26	3
						5.50	16.17	9.82	122.4	1.5	33.46	8.28	3
							16.16	9.72	121.8	1.5	34.44	8.27	3
17:26	W8	ME	821 328	810 240	9.4	1.00	16.31	10.40	130.6	1.6	34.26	8.33	3
							16.32	9.24	116.1	1.5	34.27	8.31	4
						4.70	16.07	9.02	112.8	2.1	34.38	8.26	4
							16.06	9.11	113.8	2.1	34.36	8.26	3
						8.40	16.02	8.96	112.0	4.8	34.48	8.22	2
							16.02	8.93	111.6	5.2	34.44	8.22	2
16:10	W9	ME	819 045	807 953	9.0	1.00	16.00	8.74	109.1	1.1	34.23	8.08	3
							15.99	8.79	109.7	1.0	34.23	8.06	3
						4.50	15.79	8.58	106.7	2.1	34.39	7.93	2
							15.80	8.58	106.7	1.9	34.39	7.93	3
						8.00	15.95	8.30	103.6	3.7	34.59	7.92	3
							15.95	8.32	103.9	4.0	34.58	7.93	3

Remarks: MF - Middle Flood tide
ME - Middle Ebb tide

Contract No. 1/WSD/13 -
Improvement of Fresh Water Supply to Cheung Chau

Baseline Monitoring														
Sampling Date:		27-Jan-14												
Date / Time	Location	Tide*	Co-ordinates		Water Depth m	Sampling Depth m	Temp °C	DO Conc mg/L	DO Saturation %	Turbidity NTU	Salinity ppt	pH unit	SS mg/l	
			East	North										
12:23	W1	MF	820 704	808 688	2.7	1.35	16.64	9.52	120.8	1.8	34.94	8.26	2	
							16.63	9.59	121.6	1.8	34.94	8.26	2	
12:14	W2	MF	820 656	808 631	2.8	1.40	16.65	8.99	114.0	2.8	34.84	8.29	4	
							16.63	9.05	114.8	2.5	34.86	8.29	2	
12:31	W3	MF	820 445	809 036	8.3	1.00	16.70	8.61	109.4	1.2	35.08	8.28	4	
							16.72	8.60	109.4	1.2	35.07	8.28	4	
							4.15	16.52	9.56	121.1	1.6	35.08	8.29	3
								16.51	9.56	121.1	1.6	35.08	8.29	2
							7.30	16.46	10.04	127.0	6.2	35.08	8.29	3
								16.46	10.05	127.1	4.7	35.10	8.29	2
12:45	W4	MF	820 072	809 297	8.6	1.00	16.72	9.89	125.7	1.7	34.88	8.27	3	
							16.73	9.89	125.7	1.6	34.87	8.27	3	
							4.30	16.51	10.16	128.7	1.3	35.10	8.29	3
								16.51	10.16	128.7	1.3	35.10	8.29	3
							7.60	16.46	10.05	127.2	1.5	35.13	8.28	3
								16.46	10.06	127.4	1.6	35.12	8.28	2
12:59	W5	MF	819 875	809 700	2.7	1.35	16.97	9.45	120.6	1.6	34.95	8.36	3	
							16.97	9.79	125.0	1.6	34.94	8.35	5	
							16.66	7.48	95.0	3.9	35.06	8.39	3	
13:24	W6	MF	819 174	810 917	8.4	1.00	16.73	7.56	96.1	3.5	35.00	8.39	2	
							4.20	16.60	9.48	120.2	1.9	35.00	8.36	2
								16.58	9.48	120.2	1.9	35.02	8.35	3
							7.40	16.48	10.19	129.0	1.5	35.10	8.31	3
								16.48	10.19	129.0	1.5	35.10	8.30	2
							13:40	W7	MF	820 055	810 523	6.6	1.00	16.82
16.82	10.56	134.3	1.2	34.69	8.36	2								
3.30	16.61	10.85	137.7	1.3	35.00	8.34								3
	16.61	10.91	138.4	1.2	35.01	8.34								2
5.60	16.52	10.56	133.8	1.6	35.07	8.31								3
	16.51	10.33	130.9	1.5	35.09	8.30								2
13:10	W8	MF	821 328	810 240	8.8	1.00	16.84	8.31	105.8	4.9	34.82	8.36	3	
							16.84	8.31	105.8	4.8	34.83	8.36	3	
							4.40	16.53	9.97	126.2	2.2	34.91	8.31	3
								16.52	10.04	127.1	2.0	34.94	8.31	2
							7.80	16.51	10.17	128.6	2.5	34.86	8.29	3
								16.51	10.03	127.0	2.9	34.93	8.28	3
12:02	W9	MF	819 045	807 953	9.4	1.00	16.55	8.51	107.3	1.9	33.99	8.42	2	
							16.57	8.65	108.9	2.2	34.00	8.42	3	
							4.70	16.52	10.07	126.8	1.8	34.07	8.38	3
								16.51	10.32	129.9	1.9	34.07	8.38	3
							8.40	16.46	10.30	129.5	4.9	34.11	8.34	3
								16.46	10.23	128.7	5.1	34.11	8.34	3
9:31	W1	ME	820 704	808 688	2.7	1.35	16.51	8.15	102.5	1.6	33.96	8.22	3	
							16.47	8.10	101.9	1.6	33.98	8.22	3	
9:40	W2	ME	820 656	808 631	2.6	1.30	16.43	8.97	112.7	1.6	34.00	8.21	7	
							16.43	8.97	112.7	1.6	34.00	8.21	6	
9:17	W3	ME	820 445	809 036	8.5	1.00	16.58	10.13	127.5	1.8	33.88	8.33	3	
							16.58	10.28	129.4	1.8	33.87	8.33	3	
							4.25	16.54	10.52	132.3	2.0	33.80	8.33	3
								16.53	10.46	131.6	2.1	33.84	8.33	3
							7.50	16.50	10.60	133.2	2.5	33.85	8.33	4
								16.51	10.42	131.1	2.3	33.87	8.33	5
9:04	W4	ME	820 072	809 297	8.3	1.00	16.61	9.03	113.7	3.1	33.82	8.35	5	
							16.62	8.88	111.9	2.7	33.82	8.34	4	
							4.15	16.53	9.09	114.4	2.0	33.84	8.33	5
								16.53	9.31	117.0	1.8	33.84	8.33	4
							7.30	16.48	10.25	128.7	2.6	33.82	8.32	4
								16.48	10.27	129.0	2.4	33.81	8.33	4
8:56	W5	ME	819 875	809 700	2.5	1.25	16.69	10.38	130.9	2.4	33.83	8.34	3	
							16.67	10.07	127.1	2.1	33.85	8.34	2	
8:29	W6	ME	819 174	810 917	5.1	1.00	16.76	9.81	123.7	0.9	33.59	8.33	3	
							16.78	10.08	127.2	0.9	33.60	8.33	2	
							2.55	16.52	10.41	130.6	1.0	33.54	8.30	4
								16.53	10.32	129.6	1.1	33.57	8.30	4
							4.10	16.43	10.29	128.9	4.1	33.63	8.28	3
								16.44	10.18	127.6	4.3	33.63	8.27	3
8:16	W7	ME	820 055	810 523	6.3	1.00	16.78	9.57	120.0	1.9	32.46	8.18	2	
							16.77	9.74	122.1	1.8	32.56	8.20	3	
							3.15	16.59	10.34	129.5	1.5	33.03	8.27	2
								16.58	10.35	129.7	1.6	33.06	8.27	3
							5.30	16.46	10.35	129.4	2.2	33.07	8.24	3
								16.45	10.32	129.1	2.3	33.09	8.24	4
8:42	W8	ME	821 328	810 240	8.5	1.00	16.61	7.73	97.4	7.5	33.72	8.32	3	
							16.60	7.89	99.3	6.1	33.73	8.32	3	
							4.25	16.52	10.00	125.6	2.7	33.76	8.31	2
								16.53	10.14	127.4	2.6	33.76	8.31	4
							7.50	16.51	10.40	130.7	3.5	33.79	8.30	3
								16.52	10.32	129.8	3.9	33.78	8.30	2
9:51	W9	ME	819 045	807 953	9.1	1.00	16.55	7.67	96.4	1.7	33.78	8.34	3	
							16.56	7.53	94.7	1.6	33.81	8.35	4	
							4.55	16.51	9.86	124.0	1.3	33.93	8.35	3
								16.51	10.07	126.7	1.6	33.97	8.35	3
							8.10	16.46	10.33	129.9	7.9	34.02	8.33	3
								16.46	10.33	129.9	7.4	34.03	8.33	2

Remarks: MF - Middle Flood tida
ME - Middle Ebb tida

Contract No. 1/WSD/13 -
Improvement of Fresh Water Supply to Cheung Chau

Baseline Monitoring													
Sampling Date:	29-Jan-14												
Date / Time	Location	Tide*	Co-ordinates		Water Depth m	Sampling Depth m	Temp °C	DO Conc mg/L	DO Saturation %	Turbidity NTU	Salinity ppt	pH unit	SS mg/l
			East	North									
15:02	W1	MF	820 704	808 688	2.7	1.35	17.17	10.90	140.0	1.3	35.36	7.92	3
							17.17	10.89	140.0	1.4	35.36	7.92	4
14:53	W2	MF	820 656	808 631	2.6	1.30	17.23	9.53	122.6	1.0	35.23	8.04	4
							17.22	9.53	122.6	1.0	35.25	8.03	4
15:11	W3	MF	820 445	809 036	8.7	1.00	17.25	7.85	101.0	2.7	35.27	7.79	3
							17.21	7.86	101.1	2.3	35.30	7.79	3
						4.35	16.84	10.00	127.7	1.0	35.42	7.72	3
							16.84	10.12	129.2	0.9	35.41	7.72	2
						7.70	16.73	10.50	133.9	3.0	35.45	7.68	3
							16.73	10.55	134.4	3.0	35.45	7.68	5
15:24	W4	MF	820 072	809 297	8.4	1.00	16.96	10.56	135.1	1.4	35.35	7.68	3
							17.13	10.57	135.6	1.1	35.27	7.70	3
						4.20	16.87	10.48	133.8	0.7	35.36	7.70	2
							16.86	10.64	135.9	0.6	35.37	7.70	2
						7.40	16.74	10.80	137.7	1.2	35.36	7.69	3
							16.73	10.81	137.7	1.2	35.36	7.70	2
15:38	W5	MF	819 875	809 700	2.8	1.40	17.28	9.30	119.6	1.9	35.16	8.09	4
							17.29	9.74	125.2	1.5	35.14	8.08	5
16:00	W6	MF	819 174	810 917	8.0	1.00	17.32	7.38	94.8	7.1	34.98	8.21	3
							17.32	7.51	96.5	6.8	34.99	8.21	3
						4.00	16.96	9.58	122.3	2.9	35.07	8.18	4
							16.89	9.26	118.2	2.5	35.06	8.17	3
						7.00	16.84	10.33	131.7	1.2	35.13	8.15	4
							16.83	10.58	134.9	1.4	35.12	8.15	3
16:13	W7	MF	820 055	810 523	6.6	1.00	17.34	10.38	133.4	0.8	34.81	8.18	3
							17.41	10.67	137.2	0.7	34.72	8.19	3
						3.30	17.29	11.17	142.9	0.7	34.28	8.19	4
							17.24	11.25	144.4	0.6	34.99	8.19	3
						5.60	16.85	11.36	143.9	0.8	34.05	8.16	3
							16.84	11.16	141.6	0.9	34.22	8.16	4
15:47	W8	MF	821 328	810 240	9.3	1.00	17.46	8.48	109.3	0.4	34.88	8.11	2
							17.40	8.64	111.3	0.4	34.97	8.11	3
						4.65	16.82	10.48	133.6	0.5	35.07	8.10	5
							16.79	10.82	137.9	1.1	35.12	8.10	4
						8.30	16.73	11.16	142.0	3.7	35.17	8.07	3
							16.73	11.04	140.5	4.0	35.17	8.07	5
14:38	W9	MF	819 045	807 953	9.5	1.00	16.55	9.27	116.9	1.4	34.15	8.12	2
							16.55	9.27	116.9	1.3	34.15	8.13	2
						4.75	16.41	9.51	119.5	1.7	34.16	8.13	3
							16.40	9.51	119.6	1.6	34.15	8.12	3
						8.50	16.35	9.50	119.2	11.4	34.13	8.11	4
							16.35	9.39	117.9	12.1	34.16	8.11	2
11:37	W1	ME	820 704	808 688	2.7	1.35	16.93	9.75	123.8	0.8	34.17	8.27	4
							16.93	9.99	126.8	0.7	34.18	8.27	4
11:45	W2	ME	820 656	808 631	2.8	1.40	16.91	10.53	133.7	0.6	34.15	8.23	3
							16.91	10.64	135.1	0.7	34.15	8.23	4
11:24	W3	ME	820 445	809 036	8.4	1.00	16.86	10.01	126.8	1.1	33.90	8.22	3
							16.87	10.12	128.2	1.0	33.90	8.22	4
						4.20	16.82	10.34	130.9	0.8	33.90	8.22	2
							16.82	10.38	131.3	0.8	33.90	8.22	3
						7.40	16.74	10.40	131.4	1.2	33.89	8.21	4
							16.72	10.46	132.1	1.2	33.90	8.21	4
11:09	W4	ME	820 072	809 297	8.6	1.00	16.88	8.48	107.4	3.6	33.91	8.25	4
							16.88	8.48	107.4	3.4	33.91	8.25	2
						4.30	16.79	10.10	127.7	1.1	33.90	8.23	3
							16.79	10.16	128.4	1.0	33.89	8.23	3
						7.60	16.73	9.77	123.4	1.7	33.89	8.22	2
							16.72	10.10	127.6	1.6	33.89	8.22	2
10:53	W5	ME	819 875	809 700	2.9	1.45	16.92	7.93	100.4	1.1	33.81	8.22	3
							16.89	8.25	104.5	1.9	33.83	8.22	3
10:25	W6	ME	819 174	810 917	7.8	1.00	17.26	9.33	118.9	1.1	33.63	8.26	2
							17.26	9.33	118.9	1.1	33.64	8.27	4
						3.90	16.82	10.45	132.0	0.9	33.61	8.26	3
							16.81	10.45	132.0	0.9	33.61	8.26	3
						6.80	16.72	10.73	135.3	0.8	33.63	8.24	4
							16.72	10.70	134.9	0.8	33.64	8.24	2
10:11	W7	ME	820 055	810 523	6.4	1.00	17.12	9.26	116.5	0.6	32.09	7.94	3
							17.12	9.25	116.5	0.6	32.28	8.01	3
						3.20	16.99	9.88	124.5	1.4	32.76	8.17	3
							16.95	10.10	127.4	1.3	32.94	8.22	2
						5.40	16.90	10.03	126.5	2.4	33.23	8.24	2
							16.90	10.01	126.3	2.4	33.24	8.24	3
10:38	W8	ME	821 328	810 240	9.1	1.00	17.05	8.29	105.3	0.7	33.69	8.31	4
							17.04	8.43	106.9	0.7	33.69	8.31	5
						4.55	16.72	10.66	134.5	0.7	33.73	8.29	4
							16.73	10.66	134.5	0.7	33.72	8.28	3
						8.10	16.67	10.93	137.7	1.8	33.72	8.25	3
							16.67	10.82	136.4	1.6	33.72	8.25	4
11:55	W9	ME	819 045	807 953	9.2	1.00	16.56	8.43	106.3	1.1	34.18	8.17	3
							16.56	8.43	106.3	1.1	34.17	8.17	3
						4.60	16.39	8.98	112.9	1.2	34.16	8.15	4
							16.38	9.04	113.6	1.2	34.16	8.14	2
						8.20	16.35	9.17	115.1	10.2	34.16	8.12	3
							16.35	9.17	115.1	10.8	34.16	8.12	2

Remarks: MF - Middle Flood tide
ME - Middle Ebb tide

Laboratory Data Sheet



CERTIFICATE OF ANALYSIS

Client	: ACTION UNITED ENVIRO SERVICES	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 5
Contact	: MR BEN TAM	Contact	: Fung Lim Chee, Richard	Work Order	: HK1400096
Address	: RM A 20/F., GOLD KING IND BLDG, NO. 35-41 TAI LIN PAI ROAD, KWAI CHUNG, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Bentam@fordbusiness.com	E-mail	: Richard.Fung@alsglobal.com		
Telephone	: +852 2959 6059	Telephone	: +852 2610 1044		
Facsimile	: +852 2959 6079	Facsimile	: +852 2610 2021		
Project	: CONTRACT NO 1_WSD_13-IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU BASELINE MONITORING	Quote number	: ----	Date received	: 04-JAN-2014
Order number	: ----	Date of issue	: 13-JAN-2014	No. of samples	: - Received : 86
C-O-C number	: ----				: - Analysed : 86
Site	: ----				

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1400096 supersedes any previous reports with this reference. The completion date of analysis is 10-JAN-2014. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK1400096 :

Project Name: Contract No. 1/WSD/13 - Improvement of Fresh Water Supply to Cheung Chau Baseline Monitoring Schedule under EP- 392/2010.

Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.

Water sample(s) analysed and reported on an as received basis.

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This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the 'Electronic Transactions Ordinance' of Hong Kong, Chapter 553, Section 6.

Signature

Fung Lim Chee, Richard

Position

General Manager

Authorised results for:-

Inorganics



Analytical Results

Sub-Matrix: WATER

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)	EA/ED: Physical and Aggregate Properties
				1 mg/L	
W1/M/MID-EBB	[04-JAN-2014]	HK1400096-003		2	
W1/M/MID-EBB	[04-JAN-2014]	HK1400096-004		3	
W2/M/MID-EBB	[04-JAN-2014]	HK1400096-009		4	
W2/M/MID-EBB	[04-JAN-2014]	HK1400096-010		3	
W3/S/MID-EBB	[04-JAN-2014]	HK1400096-013		4	
W3/S/MID-EBB	[04-JAN-2014]	HK1400096-014		3	
W3/M/MID-EBB	[04-JAN-2014]	HK1400096-015		3	
W3/M/MID-EBB	[04-JAN-2014]	HK1400096-016		3	
W3/B/MID-EBB	[04-JAN-2014]	HK1400096-017		3	
W3/B/MID-EBB	[04-JAN-2014]	HK1400096-018		4	
W4/S/MID-EBB	[04-JAN-2014]	HK1400096-019		5	
W4/S/MID-EBB	[04-JAN-2014]	HK1400096-020		4	
W4/M/MID-EBB	[04-JAN-2014]	HK1400096-021		3	
W4/M/MID-EBB	[04-JAN-2014]	HK1400096-022		4	
W4/B/MID-EBB	[04-JAN-2014]	HK1400096-023		3	
W4/B/MID-EBB	[04-JAN-2014]	HK1400096-024		3	
W5/S/MID-EBB	[04-JAN-2014]	HK1400096-025		3	
W5/S/MID-EBB	[04-JAN-2014]	HK1400096-026		3	
W5/B/MID-EBB	[04-JAN-2014]	HK1400096-029		6	
W5/B/MID-EBB	[04-JAN-2014]	HK1400096-030		5	
W6/S/MID-EBB	[04-JAN-2014]	HK1400096-031		2	
W6/S/MID-EBB	[04-JAN-2014]	HK1400096-032		3	
W6/M/MID-EBB	[04-JAN-2014]	HK1400096-033		3	
W6/M/MID-EBB	[04-JAN-2014]	HK1400096-034		3	
W6/B/MID-EBB	[04-JAN-2014]	HK1400096-035		3	
W6/B/MID-EBB	[04-JAN-2014]	HK1400096-036		3	
W7/S/MID-EBB	[04-JAN-2014]	HK1400096-037		4	
W7/S/MID-EBB	[04-JAN-2014]	HK1400096-038		2	
W7/M/MID-EBB	[04-JAN-2014]	HK1400096-039		4	
W7/M/MID-EBB	[04-JAN-2014]	HK1400096-040		3	
W7/B/MID-EBB	[04-JAN-2014]	HK1400096-041		3	
W7/B/MID-EBB	[04-JAN-2014]	HK1400096-042		3	
W8/S/MID-EBB	[04-JAN-2014]	HK1400096-043		3	
W8/S/MID-EBB	[04-JAN-2014]	HK1400096-044		2	
W8/M/MID-EBB	[04-JAN-2014]	HK1400096-045		2	



Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)	EA025: Suspended Solids (SS) 1 mg/L
				EA025: Suspended Solids (SS) 1 mg/L	
W8/M/MID-EBB	[04-JAN-2014]	HK1400096-046		3	
W8/B/MID-EBB	[04-JAN-2014]	HK1400096-047		2	
W8/B/MID-EBB	[04-JAN-2014]	HK1400096-048		4	
W9/S/MID-EBB	[04-JAN-2014]	HK1400096-049		3	
W9/S/MID-EBB	[04-JAN-2014]	HK1400096-050		3	
W9/M/MID-EBB	[04-JAN-2014]	HK1400096-051		4	
W9/M/MID-EBB	[04-JAN-2014]	HK1400096-052		5	
W9/B/MID-EBB	[04-JAN-2014]	HK1400096-053		5	
W9/B/MID-EBB	[04-JAN-2014]	HK1400096-054		5	
W1/M/MID-FLOOD	[04-JAN-2014]	HK1400096-057		7	
W1/M/MID-FLOOD	[04-JAN-2014]	HK1400096-058		7	
W2/M/MID-FLOOD	[04-JAN-2014]	HK1400096-063		5	
W2/M/MID-FLOOD	[04-JAN-2014]	HK1400096-064		5	
W3/S/MID-FLOOD	[04-JAN-2014]	HK1400096-067		4	
W3/S/MID-FLOOD	[04-JAN-2014]	HK1400096-068		4	
W3/M/MID-FLOOD	[04-JAN-2014]	HK1400096-069		4	
W3/M/MID-FLOOD	[04-JAN-2014]	HK1400096-070		6	
W3/B/MID-FLOOD	[04-JAN-2014]	HK1400096-071		5	
W3/B/MID-FLOOD	[04-JAN-2014]	HK1400096-072		6	
W4/S/MID-FLOOD	[04-JAN-2014]	HK1400096-073		5	
W4/S/MID-FLOOD	[04-JAN-2014]	HK1400096-074		6	
W4/M/MID-FLOOD	[04-JAN-2014]	HK1400096-075		4	
W4/M/MID-FLOOD	[04-JAN-2014]	HK1400096-076		5	
W4/B/MID-FLOOD	[04-JAN-2014]	HK1400096-077		4	
W4/B/MID-FLOOD	[04-JAN-2014]	HK1400096-078		6	
W5/S/MID-FLOOD	[04-JAN-2014]	HK1400096-079		3	
W5/S/MID-FLOOD	[04-JAN-2014]	HK1400096-080		3	
W5/B/MID-FLOOD	[04-JAN-2014]	HK1400096-083		4	
W5/B/MID-FLOOD	[04-JAN-2014]	HK1400096-084		4	
W6/S/MID-FLOOD	[04-JAN-2014]	HK1400096-085		4	
W6/S/MID-FLOOD	[04-JAN-2014]	HK1400096-086		2	
W6/B/MID-FLOOD	[04-JAN-2014]	HK1400096-089		4	
W6/B/MID-FLOOD	[04-JAN-2014]	HK1400096-090		3	
W7/S/MID-FLOOD	[04-JAN-2014]	HK1400096-091		6	
W7/S/MID-FLOOD	[04-JAN-2014]	HK1400096-092		7	



Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)			
				1 mg/L			
W7/M/MID-FLOOD	[04-JAN-2014]	HK1400096-093		6			
W7/M/MID-FLOOD	[04-JAN-2014]	HK1400096-094		7			
W7/B/MID-FLOOD	[04-JAN-2014]	HK1400096-095		8			
W7/B/MID-FLOOD	[04-JAN-2014]	HK1400096-096		7			
W8/S/MID-FLOOD	[04-JAN-2014]	HK1400096-097		4			
W8/S/MID-FLOOD	[04-JAN-2014]	HK1400096-098		5			
W8/M/MID-FLOOD	[04-JAN-2014]	HK1400096-099		4			
W8/M/MID-FLOOD	[04-JAN-2014]	HK1400096-100		5			
W8/B/MID-FLOOD	[04-JAN-2014]	HK1400096-101		5			
W8/B/MID-FLOOD	[04-JAN-2014]	HK1400096-102		4			
W9/S/MID-FLOOD	[04-JAN-2014]	HK1400096-103		6			
W9/S/MID-FLOOD	[04-JAN-2014]	HK1400096-104		6			
W9/M/MID-FLOOD	[04-JAN-2014]	HK1400096-105		4			
W9/M/MID-FLOOD	[04-JAN-2014]	HK1400096-106		5			
W9/B/MID-FLOOD	[04-JAN-2014]	HK1400096-107		5			
W9/B/MID-FLOOD	[04-JAN-2014]	HK1400096-108		6			



Laboratory Duplicate (DUP) Report

Matrix: WATER		Laboratory Duplicate (DUP) Report									
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)			
EA/ED: Physical and Aggregate Properties (QC Lot: 3243133)											
HK1400096-003	W1/M/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	2	2	0.0			
HK1400096-019	W4/S/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	5	5	0.0			
EA/ED: Physical and Aggregate Properties (QC Lot: 3243134)											
HK1400096-031	W6/S/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	2	3	0.0			
HK1400096-041	W7/B/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0			
EA/ED: Physical and Aggregate Properties (QC Lot: 3243135)											
HK1400096-051	W9/M/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0			
HK1400096-069	W3/M/IMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0			
EA/ED: Physical and Aggregate Properties (QC Lot: 3243136)											
HK1400096-079	W5/S/IMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0			
HK1400096-093	W7/M/IMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	6	7	0.0			
EA/ED: Physical and Aggregate Properties (QC Lot: 3243137)											
HK1400096-103	W9/S/IMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	6	6	0.0			

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER										Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report					
Method Blank (MB) Report					Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report										
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	Low	High	Value	RPDs (%)	Control Limit	
EA/ED: Physical and Aggregate Properties (QC Lot: 3243133)															
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.5	85	115	85	115	----	----	----	----	
EA/ED: Physical and Aggregate Properties (QC Lot: 3243134)															
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	101	85	115	85	115	----	----	----	----	
EA/ED: Physical and Aggregate Properties (QC Lot: 3243135)															
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	101	85	115	85	115	----	----	----	----	
EA/ED: Physical and Aggregate Properties (QC Lot: 3243136)															
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	88.5	85	115	85	115	----	----	----	----	
EA/ED: Physical and Aggregate Properties (QC Lot: 3243137)															
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	85	115	85	115	----	----	----	----	

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

Client	: ACTION UNITED ENVIRO SERVICES	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 5
Contact	: MR BEN TAM	Contact	: Fung Lim Chee, Richard	Work Order	: HK1400258
Address	: RM A 20/F., GOLD KING IND BLDG, NO. 35-41 TAI LIN PAI ROAD, KWAI CHUNG, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Bentam@fordbusiness.com	E-mail	: Richard.Fung@alsglobal.com		
Telephone	: +852 2959 6059	Telephone	: +852 2610 1044		
Facsimile	: +852 2959 6079	Facsimile	: +852 2610 2021		
Project	: CONTRACT NO 1_WSD_13-IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU BASELINE MONITORING	Quote number	: ----	Date received	: 07-JAN-2014
Order number	: ----			Date of issue	: 15-JAN-2014
C-O-C number	: ----			No. of samples	: - Received : 88
Site	: ----				: - Analysed : 88

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1400258 supersedes any previous reports with this reference. The completion date of analysis is 13-JAN-2014. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK1400258 :

Project Name: Contract No. 1/WSD/13 - Improvement of Fresh Water Supply to Cheung Chau Baseline Monitoring Schedule under EP- 392/2010.

Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.

Water sample(s) analysed and reported on an as received basis.

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This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the 'Electronic Transactions Ordinance' of Hong Kong, Chapter 553, Section 6.

Signature

Fung Lim Chee, Richard

Position

General Manager

Authorised results for:-

Inorganics



Analytical Results

Sub-Matrix: WATER

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)	EA/ED: Physical and Aggregate Properties
				1 mg/L	
W1/M/MID-EBB	[07-JAN-2014]	HK1400258-003		4	
W1/M/MID-EBB	[07-JAN-2014]	HK1400258-004		4	
W2/M/MID-EBB	[07-JAN-2014]	HK1400258-009		8	
W2/M/MID-EBB	[07-JAN-2014]	HK1400258-010		6	
W3/S/MID-EBB	[07-JAN-2014]	HK1400258-013		8	
W3/S/MID-EBB	[07-JAN-2014]	HK1400258-014		8	
W3/M/MID-EBB	[07-JAN-2014]	HK1400258-015		6	
W3/M/MID-EBB	[07-JAN-2014]	HK1400258-016		7	
W3/B/MID-EBB	[07-JAN-2014]	HK1400258-017		7	
W3/B/MID-EBB	[07-JAN-2014]	HK1400258-018		7	
W4/S/MID-EBB	[07-JAN-2014]	HK1400258-019		4	
W4/S/MID-EBB	[07-JAN-2014]	HK1400258-020		6	
W4/M/MID-EBB	[07-JAN-2014]	HK1400258-021		5	
W4/M/MID-EBB	[07-JAN-2014]	HK1400258-022		5	
W4/B/MID-EBB	[07-JAN-2014]	HK1400258-023		7	
W4/B/MID-EBB	[07-JAN-2014]	HK1400258-024		8	
W5/S/MID-EBB	[07-JAN-2014]	HK1400258-025		6	
W5/S/MID-EBB	[07-JAN-2014]	HK1400258-026		6	
W5/B/MID-EBB	[07-JAN-2014]	HK1400258-029		5	
W5/B/MID-EBB	[07-JAN-2014]	HK1400258-030		5	
W6/S/MID-EBB	[07-JAN-2014]	HK1400258-031		4	
W6/S/MID-EBB	[07-JAN-2014]	HK1400258-032		4	
W6/M/MID-EBB	[07-JAN-2014]	HK1400258-033		5	
W6/M/MID-EBB	[07-JAN-2014]	HK1400258-034		3	
W6/B/MID-EBB	[07-JAN-2014]	HK1400258-035		5	
W6/B/MID-EBB	[07-JAN-2014]	HK1400258-036		4	
W7/S/MID-EBB	[07-JAN-2014]	HK1400258-037		4	
W7/S/MID-EBB	[07-JAN-2014]	HK1400258-038		3	
W7/M/MID-EBB	[07-JAN-2014]	HK1400258-039		2	
W7/M/MID-EBB	[07-JAN-2014]	HK1400258-040		4	
W7/B/MID-EBB	[07-JAN-2014]	HK1400258-041		4	
W7/B/MID-EBB	[07-JAN-2014]	HK1400258-042		5	
W8/S/MID-EBB	[07-JAN-2014]	HK1400258-043		6	
W8/S/MID-EBB	[07-JAN-2014]	HK1400258-044		5	
W8/M/MID-EBB	[07-JAN-2014]	HK1400258-045		6	



Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)
				1 mg/L
W6/M/MID-EBB	[07-JAN-2014]	HK1400258-046		4
W6/B/MID-EBB	[07-JAN-2014]	HK1400258-047		7
W6/B/MID-EBB	[07-JAN-2014]	HK1400258-048		6
W9/S/MID-EBB	[07-JAN-2014]	HK1400258-049		8
W9/S/MID-EBB	[07-JAN-2014]	HK1400258-050		7
W9/M/MID-EBB	[07-JAN-2014]	HK1400258-051		7
W9/M/MID-EBB	[07-JAN-2014]	HK1400258-052		7
W9/B/MID-EBB	[07-JAN-2014]	HK1400258-053		7
W9/B/MID-EBB	[07-JAN-2014]	HK1400258-054		8
W1/M/MID-FLOOD	[07-JAN-2014]	HK1400258-057		6
W1/M/MID-FLOOD	[07-JAN-2014]	HK1400258-058		6
W2/M/MID-FLOOD	[07-JAN-2014]	HK1400258-063		6
W2/M/MID-FLOOD	[07-JAN-2014]	HK1400258-064		6
W3/S/MID-FLOOD	[07-JAN-2014]	HK1400258-067		7
W3/S/MID-FLOOD	[07-JAN-2014]	HK1400258-068		8
W3/M/MID-FLOOD	[07-JAN-2014]	HK1400258-069		8
W3/M/MID-FLOOD	[07-JAN-2014]	HK1400258-070		8
W3/B/MID-FLOOD	[07-JAN-2014]	HK1400258-071		9
W3/B/MID-FLOOD	[07-JAN-2014]	HK1400258-072		8
W4/S/MID-FLOOD	[07-JAN-2014]	HK1400258-073		10
W4/S/MID-FLOOD	[07-JAN-2014]	HK1400258-074		9
W4/M/MID-FLOOD	[07-JAN-2014]	HK1400258-075		11
W4/M/MID-FLOOD	[07-JAN-2014]	HK1400258-076		10
W4/B/MID-FLOOD	[07-JAN-2014]	HK1400258-077		13
W4/B/MID-FLOOD	[07-JAN-2014]	HK1400258-078		12
W5/S/MID-FLOOD	[07-JAN-2014]	HK1400258-079		6
W5/S/MID-FLOOD	[07-JAN-2014]	HK1400258-080		6
W5/B/MID-FLOOD	[07-JAN-2014]	HK1400258-083		5
W5/B/MID-FLOOD	[07-JAN-2014]	HK1400258-084		6
W6/S/MID-FLOOD	[07-JAN-2014]	HK1400258-085		2
W6/S/MID-FLOOD	[07-JAN-2014]	HK1400258-086		3
W6/M/MID-FLOOD	[07-JAN-2014]	HK1400258-087		3
W6/M/MID-FLOOD	[07-JAN-2014]	HK1400258-088		4
W6/B/MID-FLOOD	[07-JAN-2014]	HK1400258-089		4
W6/B/MID-FLOOD	[07-JAN-2014]	HK1400258-090		4



Sub-Matrix: WATER

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)
				1 mg/L
W7/S/MID-FLOOD	[07-JAN-2014]	HK1400258-091		6
W7/S/MID-FLOOD	[07-JAN-2014]	HK1400258-092		7
W7/M/MID-FLOOD	[07-JAN-2014]	HK1400258-093		5
W7/M/MID-FLOOD	[07-JAN-2014]	HK1400258-094		7
W7/B/MID-FLOOD	[07-JAN-2014]	HK1400258-095		7
W7/B/MID-FLOOD	[07-JAN-2014]	HK1400258-096		8
W8/S/MID-FLOOD	[07-JAN-2014]	HK1400258-097		6
W8/S/MID-FLOOD	[07-JAN-2014]	HK1400258-098		5
W8/M/MID-FLOOD	[07-JAN-2014]	HK1400258-099		6
W8/M/MID-FLOOD	[07-JAN-2014]	HK1400258-100		7
W8/B/MID-FLOOD	[07-JAN-2014]	HK1400258-101		10
W8/B/MID-FLOOD	[07-JAN-2014]	HK1400258-102		10
W9/S/MID-FLOOD	[07-JAN-2014]	HK1400258-103		18
W9/S/MID-FLOOD	[07-JAN-2014]	HK1400258-104		18
W9/M/MID-FLOOD	[07-JAN-2014]	HK1400258-105		17
W9/M/MID-FLOOD	[07-JAN-2014]	HK1400258-106		17
W9/B/MID-FLOOD	[07-JAN-2014]	HK1400258-107		26
W9/B/MID-FLOOD	[07-JAN-2014]	HK1400258-108		26



Laboratory Duplicate (DUP) Report

Matrix: WATER		Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3243140)								
HK1400258-003	W1/M/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
HK1400258-019	W4/S/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3243141)								
HK1400258-031	W6/S/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	5	0.0
HK1400258-041	W7/B/AMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3243142)								
HK1400258-051	W9/M/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	7	8	0.0
HK1400258-069	W3/M/IMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	8	8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3243143)								
HK1400258-079	W5/S/IMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	6	6	0.0
HK1400258-091	W7/S/IMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	6	6	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3243144)								
HK1400258-101	W8/B/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	10	10	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER				Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report					
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	High	Value	Control Limit	RPDs (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3243140)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.0	----	----	85	115	----	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3243141)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	103	----	----	85	115	----	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3243142)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	----	85	115	----	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3243143)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	101	----	----	85	115	----	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3243144)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	100	----	----	85	115	----	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

Client : ACTION UNITED ENVIRO SERVICES	Laboratory : ALS Technichem HK Pty Ltd	Page : 1 of 5
Contact : MR BEN TAM	Contact : Fung Lim Chee, Richard	Work Order : HK1400262
Address : RM A 20/F., GOLD KING IND BLDG, NO. 35-41 TAI LIN PAI ROAD, KWAI CHUNG, N.T. HONG KONG	Address : 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong	
E-mail : Bentam@fordbusiness.com	E-mail : Richard.Fung@alsglobal.com	
Telephone : +852 2959 6059	Telephone : +852 2610 1044	
Facsimile : +852 2959 6079	Facsimile : +852 2610 2021	
Project : CONTRACT NO 1_WSD_13-IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU BASELINE MONITORING	Quote number : ----	Date received : 09-JAN-2014
Order number : ----		Date of issue : 16-JAN-2014
C-O-C number : ----		No. of samples : - Received : 84
Site : ----		- Analysed : 84

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1400262 supersedes any previous reports with this reference. The completion date of analysis is 14-JAN-2014. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK1400262 :

Project Name: Contract No. 1/WSD/13 - Improvement of Fresh Water Supply to Cheung Chau Baseline Monitoring Schedule under EP- 392/2010.
Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.
Water sample(s) analysed and reported on an as received basis.

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This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the 'Electronic Transactions Ordinance' of Hong Kong, Chapter 553, Section 6.

Signatory	Position	Authorised results for:-
Fung Lim Chee, Richard	General Manager	Inorganics



Analytical Results

Sub-Matrix: WATER

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound	EA025: Suspended Solids (SS)	EA/ED: Physical and Aggregate Properties
				1 mg/L	
W1/M/MID-EBB	[09-JAN-2014]	HK1400262-003		4	
W1/M/MID-EBB	[09-JAN-2014]	HK1400262-004		3	
W2/M/MID-EBB	[09-JAN-2014]	HK1400262-009		3	
W2/M/MID-EBB	[09-JAN-2014]	HK1400262-010		3	
W3/S/MID-EBB	[09-JAN-2014]	HK1400262-013		4	
W3/S/MID-EBB	[09-JAN-2014]	HK1400262-014		5	
W3/M/MID-EBB	[09-JAN-2014]	HK1400262-015		4	
W3/M/MID-EBB	[09-JAN-2014]	HK1400262-016		5	
W3/B/MID-EBB	[09-JAN-2014]	HK1400262-017		5	
W3/B/MID-EBB	[09-JAN-2014]	HK1400262-018		3	
W4/S/MID-EBB	[09-JAN-2014]	HK1400262-019		3	
W4/S/MID-EBB	[09-JAN-2014]	HK1400262-020		3	
W4/M/MID-EBB	[09-JAN-2014]	HK1400262-021		3	
W4/M/MID-EBB	[09-JAN-2014]	HK1400262-022		3	
W4/B/MID-EBB	[09-JAN-2014]	HK1400262-023		3	
W4/B/MID-EBB	[09-JAN-2014]	HK1400262-024		2	
W5/M/MID-EBB	[09-JAN-2014]	HK1400262-027		2	
W5/M/MID-EBB	[09-JAN-2014]	HK1400262-028		2	
W6/S/MID-EBB	[09-JAN-2014]	HK1400262-031		2	
W6/S/MID-EBB	[09-JAN-2014]	HK1400262-032		3	
W6/M/MID-EBB	[09-JAN-2014]	HK1400262-033		3	
W6/M/MID-EBB	[09-JAN-2014]	HK1400262-034		2	
W6/B/MID-EBB	[09-JAN-2014]	HK1400262-035		2	
W6/B/MID-EBB	[09-JAN-2014]	HK1400262-036		2	
W7/S/MID-EBB	[09-JAN-2014]	HK1400262-037		2	
W7/S/MID-EBB	[09-JAN-2014]	HK1400262-038		2	
W7/M/MID-EBB	[09-JAN-2014]	HK1400262-039		2	
W7/M/MID-EBB	[09-JAN-2014]	HK1400262-040		2	
W7/B/MID-EBB	[09-JAN-2014]	HK1400262-041		3	
W7/B/MID-EBB	[09-JAN-2014]	HK1400262-042		2	
W8/S/MID-EBB	[09-JAN-2014]	HK1400262-043		3	
W8/S/MID-EBB	[09-JAN-2014]	HK1400262-044		2	
W8/M/MID-EBB	[09-JAN-2014]	HK1400262-045		2	
W8/M/MID-EBB	[09-JAN-2014]	HK1400262-046		2	
W8/B/MID-EBB	[09-JAN-2014]	HK1400262-047		3	



Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)	EA025: Suspended Solids (SS) 1 mg/L
				EA025: Suspended Solids (SS) 1 mg/L	
W8/B/MID-EBB	[09-JAN-2014]	HK1400262-048		3	
W9/S/MID-EBB	[09-JAN-2014]	HK1400262-049		4	
W9/S/MID-EBB	[09-JAN-2014]	HK1400262-050		3	
W9/M/MID-EBB	[09-JAN-2014]	HK1400262-051		4	
W9/M/MID-EBB	[09-JAN-2014]	HK1400262-052		5	
W9/B/MID-EBB	[09-JAN-2014]	HK1400262-053		5	
W9/B/MID-EBB	[09-JAN-2014]	HK1400262-054		4	
W1/M/MID-FLOOD	[09-JAN-2014]	HK1400262-057		2	
W1/M/MID-FLOOD	[09-JAN-2014]	HK1400262-058		2	
W2/M/MID-FLOOD	[09-JAN-2014]	HK1400262-063		3	
W2/M/MID-FLOOD	[09-JAN-2014]	HK1400262-064		2	
W3/S/MID-FLOOD	[09-JAN-2014]	HK1400262-067		3	
W3/S/MID-FLOOD	[09-JAN-2014]	HK1400262-068		4	
W3/M/MID-FLOOD	[09-JAN-2014]	HK1400262-069		3	
W3/M/MID-FLOOD	[09-JAN-2014]	HK1400262-070		3	
W3/B/MID-FLOOD	[09-JAN-2014]	HK1400262-071		3	
W3/B/MID-FLOOD	[09-JAN-2014]	HK1400262-072		3	
W4/S/MID-FLOOD	[09-JAN-2014]	HK1400262-073		4	
W4/S/MID-FLOOD	[09-JAN-2014]	HK1400262-074		4	
W4/M/MID-FLOOD	[09-JAN-2014]	HK1400262-075		4	
W4/M/MID-FLOOD	[09-JAN-2014]	HK1400262-076		5	
W4/B/MID-FLOOD	[09-JAN-2014]	HK1400262-077		5	
W4/B/MID-FLOOD	[09-JAN-2014]	HK1400262-078		4	
W5/M/MID-FLOOD	[09-JAN-2014]	HK1400262-081		4	
W5/M/MID-FLOOD	[09-JAN-2014]	HK1400262-082		4	
W6/S/MID-FLOOD	[09-JAN-2014]	HK1400262-085		3	
W6/S/MID-FLOOD	[09-JAN-2014]	HK1400262-086		3	
W6/M/MID-FLOOD	[09-JAN-2014]	HK1400262-087		3	
W6/M/MID-FLOOD	[09-JAN-2014]	HK1400262-088		2	
W6/B/MID-FLOOD	[09-JAN-2014]	HK1400262-089		3	
W6/B/MID-FLOOD	[09-JAN-2014]	HK1400262-090		3	
W7/S/MID-FLOOD	[09-JAN-2014]	HK1400262-091		2	
W7/S/MID-FLOOD	[09-JAN-2014]	HK1400262-092		2	
W7/M/MID-FLOOD	[09-JAN-2014]	HK1400262-093		2	
W7/M/MID-FLOOD	[09-JAN-2014]	HK1400262-094		2	



Sub-Matrix: WATER

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)			
				1 mg/L			
W7/B/MID-FLOOD	[09-JAN-2014]	HK1400262-095		2			
W7/B/MID-FLOOD	[09-JAN-2014]	HK1400262-096		2			
W8/S/MID-FLOOD	[09-JAN-2014]	HK1400262-097		2			
W8/S/MID-FLOOD	[09-JAN-2014]	HK1400262-098		2			
W8/M/MID-FLOOD	[09-JAN-2014]	HK1400262-099		2			
W8/M/MID-FLOOD	[09-JAN-2014]	HK1400262-100		3			
W8/B/MID-FLOOD	[09-JAN-2014]	HK1400262-101		3			
W8/B/MID-FLOOD	[09-JAN-2014]	HK1400262-102		2			
W9/S/MID-FLOOD	[09-JAN-2014]	HK1400262-103		2			
W9/S/MID-FLOOD	[09-JAN-2014]	HK1400262-104		3			
W9/M/MID-FLOOD	[09-JAN-2014]	HK1400262-105		3			
W9/B/MID-FLOOD	[09-JAN-2014]	HK1400262-106		3			
W9/B/MID-FLOOD	[09-JAN-2014]	HK1400262-107		3			
W9/B/MID-FLOOD	[09-JAN-2014]	HK1400262-108		3			



Laboratory Duplicate (DUP) Report

Matrix: WATER		Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3249082)								
HK1400262-003	W1/M/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	3	0.0
HK1400262-019	W4/S/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3249083)								
HK1400262-033	W6/M/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1400262-043	W8/S/AMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3249084)								
HK1400262-053	W9/B/AMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	5	5	0.0
HK1400262-071	W3/B/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3249085)								
HK1400262-085	W6/S/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1400262-095	W7/B/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	2	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3249086)								
HK1400262-105	W9/M/IMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	High	Value	Control Limit	RPDs (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3249082)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	----	85	115	----	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3249083)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.0	----	----	85	115	----	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3249084)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	100	----	----	85	115	----	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3249085)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.5	----	----	85	115	----	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3249086)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	----	85	115	----	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

Client : ACTION UNITED ENVIRO SERVICES	Laboratory : ALS Technichem HK Pty Ltd	Page : 1 of 5
Contact : MR BEN TAM	Contact : Fung Lim Chee, Richard	Work Order : HK1401837
Address : RM A 20/F., GOLD KING IND BLDG, NO. 35-41 TAI LIN PAI ROAD, KWAI CHUNG, N.T. HONG KONG	Address : 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong	
E-mail : Bentam@fordbusiness.com	E-mail : Richard.Fung@alsglobal.com	
Telephone : +852 2959 6059	Telephone : +852 2610 1044	
Facsimile : +852 2959 6079	Facsimile : +852 2610 2021	
Project : CONTRACT NO 1_WSD_13-IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU BASELINE MONITORING	Quote number : ----	Date received : 30-JAN-2014
Order number : ----		Date of issue : 11-FEB-2014
C-O-C number : ----		No. of samples : - Received : 84
Site : ----		- Analysed : 84

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1401837 supersedes any previous reports with this reference. The completion date of analysis is 05-FEB-2014. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK1401837 :

Project Name: Contract No. 1/WSD/13 - Improvement of Fresh Water Supply to Cheung Chau Baseline Monitoring Schedule under EP- 392/2010.
Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.
Water sample(s) analysed and reported on an as received basis.

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This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the 'Electronic Transactions Ordinance' of Hong Kong, Chapter 553, Section 6.

Signatory
Fung Lim Chee, Richard

Position
General Manager

Authorised results for:-
Inorganics



Analytical Results

Sub-Matrix: WATER

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)	EA/ED: Physical and Aggregate Properties
				1 mg/L	
W1/M/MID-EBB	[29-JAN-2014]	HK1401837-003		4	
W1/M/MID-EBB	[29-JAN-2014]	HK1401837-004		4	
W2/M/MID-EBB	[29-JAN-2014]	HK1401837-009		3	
W2/M/MID-EBB	[29-JAN-2014]	HK1401837-010		4	
W3/S/MID-EBB	[29-JAN-2014]	HK1401837-013		3	
W3/S/MID-EBB	[29-JAN-2014]	HK1401837-014		4	
W3/M/MID-EBB	[29-JAN-2014]	HK1401837-015		2	
W3/M/MID-EBB	[29-JAN-2014]	HK1401837-016		3	
W3/B/MID-EBB	[29-JAN-2014]	HK1401837-017		4	
W3/B/MID-EBB	[29-JAN-2014]	HK1401837-018		4	
W4/S/MID-EBB	[29-JAN-2014]	HK1401837-019		4	
W4/S/MID-EBB	[29-JAN-2014]	HK1401837-020		2	
W4/M/MID-EBB	[29-JAN-2014]	HK1401837-021		3	
W4/M/MID-EBB	[29-JAN-2014]	HK1401837-022		3	
W4/B/MID-EBB	[29-JAN-2014]	HK1401837-023		2	
W4/B/MID-EBB	[29-JAN-2014]	HK1401837-024		2	
W5/M/MID-EBB	[29-JAN-2014]	HK1401837-027		3	
W5/M/MID-EBB	[29-JAN-2014]	HK1401837-028		3	
W6/S/MID-EBB	[29-JAN-2014]	HK1401837-031		2	
W6/S/MID-EBB	[29-JAN-2014]	HK1401837-032		4	
W6/M/MID-EBB	[29-JAN-2014]	HK1401837-033		3	
W6/M/MID-EBB	[29-JAN-2014]	HK1401837-034		3	
W6/B/MID-EBB	[29-JAN-2014]	HK1401837-035		4	
W6/B/MID-EBB	[29-JAN-2014]	HK1401837-036		2	
W7/S/MID-EBB	[29-JAN-2014]	HK1401837-037		3	
W7/S/MID-EBB	[29-JAN-2014]	HK1401837-038		3	
W7/M/MID-EBB	[29-JAN-2014]	HK1401837-039		3	
W7/M/MID-EBB	[29-JAN-2014]	HK1401837-040		2	
W7/B/MID-EBB	[29-JAN-2014]	HK1401837-041		2	
W7/B/MID-EBB	[29-JAN-2014]	HK1401837-042		3	
W8/S/MID-EBB	[29-JAN-2014]	HK1401837-043		4	
W8/S/MID-EBB	[29-JAN-2014]	HK1401837-044		5	
W8/M/MID-EBB	[29-JAN-2014]	HK1401837-045		4	
W8/M/MID-EBB	[29-JAN-2014]	HK1401837-046		3	
W8/B/MID-EBB	[29-JAN-2014]	HK1401837-047		3	



Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)	EA025: Suspended Solids (SS) 1 mg/L
				EA025: Suspended Solids (SS) 1 mg/L	
W8/B/MID-EBB	[29-JAN-2014]	HK1401837-048		EA025: Physical and Aggregate Properties	4
W9/S/MID-EBB	[29-JAN-2014]	HK1401837-049			3
W9/S/MID-EBB	[29-JAN-2014]	HK1401837-050			3
W9/M/MID-EBB	[29-JAN-2014]	HK1401837-051			4
W9/M/MID-EBB	[29-JAN-2014]	HK1401837-052			2
W9/B/MID-EBB	[29-JAN-2014]	HK1401837-053			3
W9/B/MID-EBB	[29-JAN-2014]	HK1401837-054			2
W1/M/MID-FLOOD	[29-JAN-2014]	HK1401837-057			3
W1/M/MID-FLOOD	[29-JAN-2014]	HK1401837-058			4
W2/M/MID-FLOOD	[29-JAN-2014]	HK1401837-063			4
W2/M/MID-FLOOD	[29-JAN-2014]	HK1401837-064			4
W3/S/MID-FLOOD	[29-JAN-2014]	HK1401837-067			3
W3/S/MID-FLOOD	[29-JAN-2014]	HK1401837-068			3
W3/M/MID-FLOOD	[29-JAN-2014]	HK1401837-069			3
W3/M/MID-FLOOD	[29-JAN-2014]	HK1401837-070			2
W3/B/MID-FLOOD	[29-JAN-2014]	HK1401837-071			3
W3/B/MID-FLOOD	[29-JAN-2014]	HK1401837-072			5
W4/S/MID-FLOOD	[29-JAN-2014]	HK1401837-073			3
W4/S/MID-FLOOD	[29-JAN-2014]	HK1401837-074			3
W4/M/MID-FLOOD	[29-JAN-2014]	HK1401837-075			2
W4/M/MID-FLOOD	[29-JAN-2014]	HK1401837-076			2
W4/B/MID-FLOOD	[29-JAN-2014]	HK1401837-077			3
W4/B/MID-FLOOD	[29-JAN-2014]	HK1401837-078			2
W5/M/MID-FLOOD	[29-JAN-2014]	HK1401837-081			4
W5/M/MID-FLOOD	[29-JAN-2014]	HK1401837-082			5
W6/S/MID-FLOOD	[29-JAN-2014]	HK1401837-085			3
W6/S/MID-FLOOD	[29-JAN-2014]	HK1401837-086			3
W6/M/MID-FLOOD	[29-JAN-2014]	HK1401837-087			4
W6/M/MID-FLOOD	[29-JAN-2014]	HK1401837-088			3
W6/B/MID-FLOOD	[29-JAN-2014]	HK1401837-089			4
W6/B/MID-FLOOD	[29-JAN-2014]	HK1401837-090			3
W7/S/MID-FLOOD	[29-JAN-2014]	HK1401837-091			3
W7/S/MID-FLOOD	[29-JAN-2014]	HK1401837-092			3
W7/M/MID-FLOOD	[29-JAN-2014]	HK1401837-093			4
W7/M/MID-FLOOD	[29-JAN-2014]	HK1401837-094			3



Sub-Matrix: WATER

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)			
				1 mg/L			
W7/B/MID-FLOOD	[29-JAN-2014]	HK1401837-095		3			
W7/B/MID-FLOOD	[29-JAN-2014]	HK1401837-096		4			
W8/S/MID-FLOOD	[29-JAN-2014]	HK1401837-097		2			
W8/S/MID-FLOOD	[29-JAN-2014]	HK1401837-098		3			
W8/M/MID-FLOOD	[29-JAN-2014]	HK1401837-099		5			
W8/M/MID-FLOOD	[29-JAN-2014]	HK1401837-100		4			
W8/B/MID-FLOOD	[29-JAN-2014]	HK1401837-101		3			
W8/B/MID-FLOOD	[29-JAN-2014]	HK1401837-102		5			
W9/S/MID-FLOOD	[29-JAN-2014]	HK1401837-103		2			
W9/S/MID-FLOOD	[29-JAN-2014]	HK1401837-104		2			
W9/M/MID-FLOOD	[29-JAN-2014]	HK1401837-105		3			
W9/M/MID-FLOOD	[29-JAN-2014]	HK1401837-106		3			
W9/B/MID-FLOOD	[29-JAN-2014]	HK1401837-107		4			
W9/B/MID-FLOOD	[29-JAN-2014]	HK1401837-108		2			



Laboratory Duplicate (DUP) Report

Matrix: WATER		Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3281145)								
HK1401837-003	W1/M/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	3	0.0
HK1401837-019	W4/S/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3281146)								
HK1401837-033	W6/M/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1401837-043	W8/S/AMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3281147)								
HK1401837-053	W9/B/AMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1401837-071	W3/B/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3281148)								
HK1401837-085	W6/S/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1401837-095	W7/B/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3281149)								
HK1401837-105	W9/M/IMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER				Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report					
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	High	Value	Control Limit	RPDs (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3281145)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.5	----	----	85	115	----	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3281146)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.5	----	----	85	115	----	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3281147)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.0	----	----	85	115	----	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3281148)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	100	----	----	85	115	----	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3281149)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	100	----	----	85	115	----	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

Client	: ACTION UNITED ENVIRO SERVICES	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 5
Contact	: MR BEN TAM	Contact	: Fung Lim Chee, Richard	Work Order	: HK1401836
Address	: RM A 20/F., GOLD KING IND BLDG, NO. 35-41 TAI LIN PAI ROAD, KWAI CHUNG, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Bentam@fordbusiness.com	E-mail	: Richard.Fung@alsglobal.com		
Telephone	: +852 2959 6059	Telephone	: +852 2610 1044		
Facsimile	: +852 2959 6079	Facsimile	: +852 2610 2021		
Project	: CONTRACT NO 1_WSD_13-IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU BASELINE MONITORING	Quote number	: ----	Date received	: 28-JAN-2014
Order number	: ----	Date of issue	: 10-FEB-2014	No. of samples	: - Received : 84
C-O-C number	: ----				: - Analysed : 84
Site	: ----				

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1401836 supersedes any previous reports with this reference. The completion date of analysis is 29-JAN-2014. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK1401836 :

Project Name: Contract No. 1/WSD/13 - Improvement of Fresh Water Supply to Cheung Chau Baseline Monitoring Schedule under EP- 392/2010.
Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.
Water sample(s) analysed and reported on an as received basis.

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This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the 'Electronic Transactions Ordinance' of Hong Kong, Chapter 553, Section 6.

Signature
Fung Lim Chee, Richard

Position
General Manager

Authorised results for:-
Inorganics



Analytical Results

Sub-Matrix: WATER

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)	EA/ED: Physical and Aggregate Properties
				1 mg/L	
W1/M/MID-EBB	[27-JAN-2014]	HK1401836-003		3	
W1/M/MID-EBB	[27-JAN-2014]	HK1401836-004		3	
W2/M/MID-EBB	[27-JAN-2014]	HK1401836-009		7	
W2/M/MID-EBB	[27-JAN-2014]	HK1401836-010		6	
W3/S/MID-EBB	[27-JAN-2014]	HK1401836-013		3	
W3/S/MID-EBB	[27-JAN-2014]	HK1401836-014		3	
W3/M/MID-EBB	[27-JAN-2014]	HK1401836-015		3	
W3/M/MID-EBB	[27-JAN-2014]	HK1401836-016		3	
W3/B/MID-EBB	[27-JAN-2014]	HK1401836-017		4	
W3/B/MID-EBB	[27-JAN-2014]	HK1401836-018		5	
W4/S/MID-EBB	[27-JAN-2014]	HK1401836-019		5	
W4/S/MID-EBB	[27-JAN-2014]	HK1401836-020		4	
W4/M/MID-EBB	[27-JAN-2014]	HK1401836-021		5	
W4/M/MID-EBB	[27-JAN-2014]	HK1401836-022		4	
W4/B/MID-EBB	[27-JAN-2014]	HK1401836-023		4	
W4/B/MID-EBB	[27-JAN-2014]	HK1401836-024		4	
W5/M/MID-EBB	[27-JAN-2014]	HK1401836-027		3	
W5/M/MID-EBB	[27-JAN-2014]	HK1401836-028		2	
W6/S/MID-EBB	[27-JAN-2014]	HK1401836-031		3	
W6/S/MID-EBB	[27-JAN-2014]	HK1401836-032		2	
W6/M/MID-EBB	[27-JAN-2014]	HK1401836-033		4	
W6/M/MID-EBB	[27-JAN-2014]	HK1401836-034		4	
W6/B/MID-EBB	[27-JAN-2014]	HK1401836-035		3	
W6/B/MID-EBB	[27-JAN-2014]	HK1401836-036		3	
W7/S/MID-EBB	[27-JAN-2014]	HK1401836-037		2	
W7/S/MID-EBB	[27-JAN-2014]	HK1401836-038		3	
W7/M/MID-EBB	[27-JAN-2014]	HK1401836-039		2	
W7/M/MID-EBB	[27-JAN-2014]	HK1401836-040		3	
W7/B/MID-EBB	[27-JAN-2014]	HK1401836-041		3	
W7/B/MID-EBB	[27-JAN-2014]	HK1401836-042		4	
W8/S/MID-EBB	[27-JAN-2014]	HK1401836-043		3	
W8/S/MID-EBB	[27-JAN-2014]	HK1401836-044		3	
W8/M/MID-EBB	[27-JAN-2014]	HK1401836-045		2	
W8/M/MID-EBB	[27-JAN-2014]	HK1401836-046		4	
W8/B/MID-EBB	[27-JAN-2014]	HK1401836-047		3	



Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)	EA025: Suspended Solids (SS) 1 mg/L
				EA025: Suspended Solids (SS) 1 mg/L	
W8/B/MID-EBB	[27-JAN-2014]	HK1401836-048		EA025: Physical and Aggregate Properties	2
W9/S/MID-EBB	[27-JAN-2014]	HK1401836-049			3
W9/S/MID-EBB	[27-JAN-2014]	HK1401836-050			4
W9/M/MID-EBB	[27-JAN-2014]	HK1401836-051			3
W9/M/MID-EBB	[27-JAN-2014]	HK1401836-052			3
W9/B/MID-EBB	[27-JAN-2014]	HK1401836-053			3
W9/B/MID-EBB	[27-JAN-2014]	HK1401836-054			2
W1/M/MID-FLOOD	[27-JAN-2014]	HK1401836-057			2
W1/M/MID-FLOOD	[27-JAN-2014]	HK1401836-058			2
W2/M/MID-FLOOD	[27-JAN-2014]	HK1401836-063			4
W2/M/MID-FLOOD	[27-JAN-2014]	HK1401836-064			2
W3/S/MID-FLOOD	[27-JAN-2014]	HK1401836-067			4
W3/S/MID-FLOOD	[27-JAN-2014]	HK1401836-068			4
W3/M/MID-FLOOD	[27-JAN-2014]	HK1401836-069			3
W3/M/MID-FLOOD	[27-JAN-2014]	HK1401836-070			2
W3/B/MID-FLOOD	[27-JAN-2014]	HK1401836-071			3
W3/B/MID-FLOOD	[27-JAN-2014]	HK1401836-072			2
W4/S/MID-FLOOD	[27-JAN-2014]	HK1401836-073			3
W4/S/MID-FLOOD	[27-JAN-2014]	HK1401836-074			3
W4/M/MID-FLOOD	[27-JAN-2014]	HK1401836-075			3
W4/M/MID-FLOOD	[27-JAN-2014]	HK1401836-076			3
W4/B/MID-FLOOD	[27-JAN-2014]	HK1401836-077			3
W4/B/MID-FLOOD	[27-JAN-2014]	HK1401836-078			2
W5/M/MID-FLOOD	[27-JAN-2014]	HK1401836-081			3
W5/M/MID-FLOOD	[27-JAN-2014]	HK1401836-082			5
W6/S/MID-FLOOD	[27-JAN-2014]	HK1401836-085			3
W6/S/MID-FLOOD	[27-JAN-2014]	HK1401836-086			2
W6/M/MID-FLOOD	[27-JAN-2014]	HK1401836-087			2
W6/M/MID-FLOOD	[27-JAN-2014]	HK1401836-088			3
W6/B/MID-FLOOD	[27-JAN-2014]	HK1401836-089			3
W6/B/MID-FLOOD	[27-JAN-2014]	HK1401836-090			2
W7/S/MID-FLOOD	[27-JAN-2014]	HK1401836-091			2
W7/S/MID-FLOOD	[27-JAN-2014]	HK1401836-092			2
W7/M/MID-FLOOD	[27-JAN-2014]	HK1401836-093			3
W7/M/MID-FLOOD	[27-JAN-2014]	HK1401836-094			2



Sub-Matrix: WATER

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)			
				1 mg/L			
W7/B/MID-FLOOD	[27-JAN-2014]	HK1401836-095		3			
W7/B/MID-FLOOD	[27-JAN-2014]	HK1401836-096		2			
W8/S/MID-FLOOD	[27-JAN-2014]	HK1401836-097		3			
W8/S/MID-FLOOD	[27-JAN-2014]	HK1401836-098		3			
W8/M/MID-FLOOD	[27-JAN-2014]	HK1401836-099		3			
W8/M/MID-FLOOD	[27-JAN-2014]	HK1401836-100		2			
W8/B/MID-FLOOD	[27-JAN-2014]	HK1401836-101		3			
W8/B/MID-FLOOD	[27-JAN-2014]	HK1401836-102		3			
W9/S/MID-FLOOD	[27-JAN-2014]	HK1401836-103		2			
W9/S/MID-FLOOD	[27-JAN-2014]	HK1401836-104		3			
W9/M/MID-FLOOD	[27-JAN-2014]	HK1401836-105		3			
W9/B/MID-FLOOD	[27-JAN-2014]	HK1401836-106		3			
W9/B/MID-FLOOD	[27-JAN-2014]	HK1401836-107		3			
W9/B/MID-FLOOD	[27-JAN-2014]	HK1401836-108		3			



Laboratory Duplicate (DUP) Report

Matrix: WATER		Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3271356)								
HK1401836-003	W1/M/IMID-EBB	EA025: Suspended Solids (SS)	---	1	mg/L	3	3	0.0
HK1401836-019	W4/S/IMID-EBB	EA025: Suspended Solids (SS)	---	1	mg/L	5	5	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3271357)								
HK1401836-033	W6/M/IMID-EBB	EA025: Suspended Solids (SS)	---	1	mg/L	4	4	0.0
HK1401836-043	W8/S/AMID-EBB	EA025: Suspended Solids (SS)	---	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3271358)								
HK1401836-053	W9/B/AMID-EBB	EA025: Suspended Solids (SS)	---	1	mg/L	3	3	0.0
HK1401836-071	W3/B/AMID-FLOOD	EA025: Suspended Solids (SS)	---	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3271359)								
HK1401836-085	W6/S/AMID-FLOOD	EA025: Suspended Solids (SS)	---	1	mg/L	3	3	0.0
HK1401836-095	W7/B/AMID-FLOOD	EA025: Suspended Solids (SS)	---	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3271360)								
HK1401836-105	W9/M/IMID-FLOOD	EA025: Suspended Solids (SS)	---	1	mg/L	3	3	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER				Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report					
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	High	Value	Control Limit	RPDs (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3271356)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.0	----	----	85	115	----	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3271357)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	100	----	----	85	115	----	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3271358)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	100	----	----	85	115	----	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3271359)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	100	----	----	85	115	----	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3271360)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.0	----	----	85	115	----	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

Client	: ACTION UNITED ENVIRO SERVICES	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 5
Contact	: MR BEN TAM	Contact	: Fung Lim Chee, Richard	Work Order	: HK1401831
Address	: RM A 20/F., GOLD KING IND BLDG, NO. 35-41 TAI LIN PAI ROAD, KWAI CHUNG, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
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Facsimile	: +852 2959 6079	Facsimile	: +852 2610 2021		
Project	: CONTRACT NO 1_WSD_13-IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU BASELINE MONITORING	Quote number	: ----	Date received	: 27-JAN-2014
Order number	: ----			Date of issue	: 07-FEB-2014
C-O-C number	: ----			No. of samples	: - Received : 84
Site	: ----				: - Analysed : 84

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1401831 supersedes any previous reports with this reference. The completion date of analysis is 29-JAN-2014. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK1401831 :

Project Name: Contract No. 1/WSD/13 - Improvement of Fresh Water Supply to Cheung Chau Baseline Monitoring Schedule under EP- 392/2010.

Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.

Water sample(s) analysed and reported on an as received basis.

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This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the 'Electronic Transactions Ordinance' of Hong Kong, Chapter 553, Section 6.

Signature

Fung Lim Chee, Richard

Position

General Manager

Authorised results for:-

Inorganics



Analytical Results

Sub-Matrix: WATER

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)	EA/ED: Physical and Aggregate Properties
				1 mg/L	
W1/M/MID-EBB	[25-JAN-2014]	HK1401831-003		2	
W1/M/MID-EBB	[25-JAN-2014]	HK1401831-004		2	
W2/M/MID-EBB	[25-JAN-2014]	HK1401831-009		4	
W2/M/MID-EBB	[25-JAN-2014]	HK1401831-010		2	
W3/S/MID-EBB	[25-JAN-2014]	HK1401831-013		4	
W3/S/MID-EBB	[25-JAN-2014]	HK1401831-014		3	
W3/M/MID-EBB	[25-JAN-2014]	HK1401831-015		5	
W3/M/MID-EBB	[25-JAN-2014]	HK1401831-016		4	
W3/B/MID-EBB	[25-JAN-2014]	HK1401831-017		7	
W3/B/MID-EBB	[25-JAN-2014]	HK1401831-018		5	
W4/S/MID-EBB	[25-JAN-2014]	HK1401831-019		4	
W4/S/MID-EBB	[25-JAN-2014]	HK1401831-020		3	
W4/M/MID-EBB	[25-JAN-2014]	HK1401831-021		2	
W4/M/MID-EBB	[25-JAN-2014]	HK1401831-022		2	
W4/B/MID-EBB	[25-JAN-2014]	HK1401831-023		2	
W4/B/MID-EBB	[25-JAN-2014]	HK1401831-024		2	
W5/M/MID-EBB	[25-JAN-2014]	HK1401831-027		3	
W5/M/MID-EBB	[25-JAN-2014]	HK1401831-028		4	
W6/S/MID-EBB	[25-JAN-2014]	HK1401831-031		3	
W6/S/MID-EBB	[25-JAN-2014]	HK1401831-032		3	
W6/M/MID-EBB	[25-JAN-2014]	HK1401831-033		2	
W6/M/MID-EBB	[25-JAN-2014]	HK1401831-034		3	
W6/B/MID-EBB	[25-JAN-2014]	HK1401831-035		3	
W6/B/MID-EBB	[25-JAN-2014]	HK1401831-036		3	
W7/S/MID-EBB	[25-JAN-2014]	HK1401831-037		2	
W7/S/MID-EBB	[25-JAN-2014]	HK1401831-038		2	
W7/M/MID-EBB	[25-JAN-2014]	HK1401831-039		2	
W7/M/MID-EBB	[25-JAN-2014]	HK1401831-040		3	
W7/B/MID-EBB	[25-JAN-2014]	HK1401831-041		3	
W7/B/MID-EBB	[25-JAN-2014]	HK1401831-042		3	
W8/S/MID-EBB	[25-JAN-2014]	HK1401831-043		3	
W8/S/MID-EBB	[25-JAN-2014]	HK1401831-044		4	
W8/M/MID-EBB	[25-JAN-2014]	HK1401831-045		4	
W8/M/MID-EBB	[25-JAN-2014]	HK1401831-046		3	
W8/B/MID-EBB	[25-JAN-2014]	HK1401831-047		2	



Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)	EA025: Suspended Solids (SS) 1 mg/L
				EA025: Suspended Solids (SS) 1 mg/L	
W8/B/MID-EBB	[25-JAN-2014]	HK1401831-048		2	
W9/S/MID-EBB	[25-JAN-2014]	HK1401831-049		3	
W9/S/MID-EBB	[25-JAN-2014]	HK1401831-050		3	
W9/M/MID-EBB	[25-JAN-2014]	HK1401831-051		2	
W9/M/MID-EBB	[25-JAN-2014]	HK1401831-052		3	
W9/B/MID-EBB	[25-JAN-2014]	HK1401831-053		3	
W9/B/MID-EBB	[25-JAN-2014]	HK1401831-054		3	
W1/M/MID-FLOOD	[25-JAN-2014]	HK1401831-057		2	
W1/M/MID-FLOOD	[25-JAN-2014]	HK1401831-058		2	
W2/M/MID-FLOOD	[25-JAN-2014]	HK1401831-063		3	
W2/M/MID-FLOOD	[25-JAN-2014]	HK1401831-064		2	
W3/S/MID-FLOOD	[25-JAN-2014]	HK1401831-067		5	
W3/S/MID-FLOOD	[25-JAN-2014]	HK1401831-068		3	
W3/M/MID-FLOOD	[25-JAN-2014]	HK1401831-069		5	
W3/M/MID-FLOOD	[25-JAN-2014]	HK1401831-070		4	
W3/B/MID-FLOOD	[25-JAN-2014]	HK1401831-071		4	
W3/B/MID-FLOOD	[25-JAN-2014]	HK1401831-072		5	
W4/S/MID-FLOOD	[25-JAN-2014]	HK1401831-073		5	
W4/S/MID-FLOOD	[25-JAN-2014]	HK1401831-074		7	
W4/M/MID-FLOOD	[25-JAN-2014]	HK1401831-075		6	
W4/M/MID-FLOOD	[25-JAN-2014]	HK1401831-076		6	
W4/B/MID-FLOOD	[25-JAN-2014]	HK1401831-077		6	
W4/B/MID-FLOOD	[25-JAN-2014]	HK1401831-078		7	
W5/M/MID-FLOOD	[25-JAN-2014]	HK1401831-081		3	
W5/M/MID-FLOOD	[25-JAN-2014]	HK1401831-082		4	
W6/S/MID-FLOOD	[25-JAN-2014]	HK1401831-085		4	
W6/S/MID-FLOOD	[25-JAN-2014]	HK1401831-086		3	
W6/M/MID-FLOOD	[25-JAN-2014]	HK1401831-087		2	
W6/M/MID-FLOOD	[25-JAN-2014]	HK1401831-088		3	
W6/B/MID-FLOOD	[25-JAN-2014]	HK1401831-089		6	
W6/B/MID-FLOOD	[25-JAN-2014]	HK1401831-090		4	
W7/S/MID-FLOOD	[25-JAN-2014]	HK1401831-091		4	
W7/S/MID-FLOOD	[25-JAN-2014]	HK1401831-092		3	
W7/M/MID-FLOOD	[25-JAN-2014]	HK1401831-093		3	
W7/M/MID-FLOOD	[25-JAN-2014]	HK1401831-094		4	



Sub-Matrix: WATER

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)			
				1 mg/L			
W7/B/MID-FLOOD	[25-JAN-2014]	HK1401831-095		6			
W7/B/MID-FLOOD	[25-JAN-2014]	HK1401831-096		6			
W8/S/MID-FLOOD	[25-JAN-2014]	HK1401831-097		3			
W8/S/MID-FLOOD	[25-JAN-2014]	HK1401831-098		3			
W8/M/MID-FLOOD	[25-JAN-2014]	HK1401831-099		5			
W8/M/MID-FLOOD	[25-JAN-2014]	HK1401831-100		6			
W8/B/MID-FLOOD	[25-JAN-2014]	HK1401831-101		5			
W8/B/MID-FLOOD	[25-JAN-2014]	HK1401831-102		5			
W9/S/MID-FLOOD	[25-JAN-2014]	HK1401831-103		4			
W9/S/MID-FLOOD	[25-JAN-2014]	HK1401831-104		4			
W9/M/MID-FLOOD	[25-JAN-2014]	HK1401831-105		4			
W9/B/MID-FLOOD	[25-JAN-2014]	HK1401831-106		3			
W9/B/MID-FLOOD	[25-JAN-2014]	HK1401831-107		4			
W9/B/MID-FLOOD	[25-JAN-2014]	HK1401831-108		3			



Laboratory Duplicate (DUP) Report

Matrix: WATER		Laboratory Duplicate (DUP) Report									
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)			
EA/ED: Physical and Aggregate Properties (QC Lot: 3271351)											
HK1401831-003	W1/M/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	2	2	0.0			
HK1401831-019	W4/S/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0			
EA/ED: Physical and Aggregate Properties (QC Lot: 3271352)											
HK1401831-033	W6/M/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	2	3	0.0			
HK1401831-043	W8/S/AMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0			
EA/ED: Physical and Aggregate Properties (QC Lot: 3271353)											
HK1401831-053	W9/B/AMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0			
HK1401831-071	W3/B/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0			
EA/ED: Physical and Aggregate Properties (QC Lot: 3271354)											
HK1401831-085	W6/S/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0			
HK1401831-095	W7/B/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	6	6	0.0			
EA/ED: Physical and Aggregate Properties (QC Lot: 3271355)											
HK1401831-105	W9/M/IMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	4	3	0.0			

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER										
Method Blank (MB) Report					Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report					
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	RPDs (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3271351)										
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.5	85	115	85	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3271352)										
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	101	85	115	85	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3271353)										
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.5	85	115	85	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3271354)										
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	85	115	85	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3271355)										
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.5	85	115	85	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

Client	: ACTION UNITED ENVIRO SERVICES	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 5
Contact	: MR BEN TAM	Contact	: Fung Lim Chee, Richard	Work Order	: HK1401826
Address	: RM A 20/F., GOLD KING IND BLDG, NO. 35-41 TAI LIN PAI ROAD, KWAI CHUNG, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Bentam@fordbusiness.com	E-mail	: Richard.Fung@alsglobal.com		
Telephone	: +852 2959 6059	Telephone	: +852 2610 1044		
Facsimile	: +852 2959 6079	Facsimile	: +852 2610 2021		
Project	: CONTRACT NO 1_WSD_13-IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU BASELINE MONITORING	Quote number	: ----	Date received	: 24-JAN-2014
Order number	: ----	Date of issue	: 04-FEB-2014	No. of samples	: - Received : 84
C-O-C number	: ----				: - Analysed : 84
Site	: ----				

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1401826 supersedes any previous reports with this reference. The completion date of analysis is 29-JAN-2014. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK1401826 :

Project Name: Contract No. 1/WSD/13 - Improvement of Fresh Water Supply to Cheung Chau Baseline Monitoring Schedule under EP- 392/2010.
Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.
Water sample(s) analysed and reported on an as received basis.

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Signature
Fung Lim Chee, Richard

Position
General Manager

Authorised results for:-
Inorganics



Analytical Results

Sub-Matrix: WATER

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)	EA/ED: Physical and Aggregate Properties
				1 mg/L	
W1/M/MID-EBB	[23-JAN-2014]	HK1401826-003		5	
W1/M/MID-EBB	[23-JAN-2014]	HK1401826-004		4	
W2/M/MID-EBB	[23-JAN-2014]	HK1401826-009		4	
W2/M/MID-EBB	[23-JAN-2014]	HK1401826-010		5	
W3/S/MID-EBB	[23-JAN-2014]	HK1401826-013		4	
W3/S/MID-EBB	[23-JAN-2014]	HK1401826-014		5	
W3/M/MID-EBB	[23-JAN-2014]	HK1401826-015		17	
W3/M/MID-EBB	[23-JAN-2014]	HK1401826-016		17	
W3/B/MID-EBB	[23-JAN-2014]	HK1401826-017		15	
W3/B/MID-EBB	[23-JAN-2014]	HK1401826-018		17	
W4/S/MID-EBB	[23-JAN-2014]	HK1401826-019		6	
W4/S/MID-EBB	[23-JAN-2014]	HK1401826-020		6	
W4/M/MID-EBB	[23-JAN-2014]	HK1401826-021		6	
W4/M/MID-EBB	[23-JAN-2014]	HK1401826-022		5	
W4/B/MID-EBB	[23-JAN-2014]	HK1401826-023		5	
W4/B/MID-EBB	[23-JAN-2014]	HK1401826-024		4	
W5/M/MID-EBB	[23-JAN-2014]	HK1401826-027		6	
W5/M/MID-EBB	[23-JAN-2014]	HK1401826-028		4	
W6/S/MID-EBB	[23-JAN-2014]	HK1401826-031		9	
W6/S/MID-EBB	[23-JAN-2014]	HK1401826-032		10	
W6/M/MID-EBB	[23-JAN-2014]	HK1401826-033		9	
W6/M/MID-EBB	[23-JAN-2014]	HK1401826-034		9	
W6/B/MID-EBB	[23-JAN-2014]	HK1401826-035		9	
W6/B/MID-EBB	[23-JAN-2014]	HK1401826-036		8	
W7/S/MID-EBB	[23-JAN-2014]	HK1401826-037		3	
W7/S/MID-EBB	[23-JAN-2014]	HK1401826-038		3	
W7/M/MID-EBB	[23-JAN-2014]	HK1401826-039		2	
W7/M/MID-EBB	[23-JAN-2014]	HK1401826-040		3	
W7/B/MID-EBB	[23-JAN-2014]	HK1401826-041		4	
W7/B/MID-EBB	[23-JAN-2014]	HK1401826-042		5	
W8/S/MID-EBB	[23-JAN-2014]	HK1401826-043		3	
W8/S/MID-EBB	[23-JAN-2014]	HK1401826-044		4	
W8/M/MID-EBB	[23-JAN-2014]	HK1401826-045		5	
W8/M/MID-EBB	[23-JAN-2014]	HK1401826-046		4	
W8/B/MID-EBB	[23-JAN-2014]	HK1401826-047		6	



Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)	EA025: Suspended Solids (SS) 1 mg/L
				EA025: Suspended Solids (SS) 1 mg/L	
W8/B/MID-EBB	[23-JAN-2014]	HK1401826-048		EA025: Physical and Aggregate P Properties	4
W9/S/MID-EBB	[23-JAN-2014]	HK1401826-049			3
W9/S/MID-EBB	[23-JAN-2014]	HK1401826-050			2
W9/M/MID-EBB	[23-JAN-2014]	HK1401826-051			4
W9/M/MID-EBB	[23-JAN-2014]	HK1401826-052			2
W9/B/MID-EBB	[23-JAN-2014]	HK1401826-053			3
W9/B/MID-EBB	[23-JAN-2014]	HK1401826-054			5
W1/M/MID-FLOOD	[23-JAN-2014]	HK1401826-057			3
W1/M/MID-FLOOD	[23-JAN-2014]	HK1401826-058			3
W2/M/MID-FLOOD	[23-JAN-2014]	HK1401826-063			2
W2/M/MID-FLOOD	[23-JAN-2014]	HK1401826-064			3
W3/S/MID-FLOOD	[23-JAN-2014]	HK1401826-067			4
W3/S/MID-FLOOD	[23-JAN-2014]	HK1401826-068			3
W3/M/MID-FLOOD	[23-JAN-2014]	HK1401826-069			4
W3/M/MID-FLOOD	[23-JAN-2014]	HK1401826-070			4
W3/B/MID-FLOOD	[23-JAN-2014]	HK1401826-071			3
W3/B/MID-FLOOD	[23-JAN-2014]	HK1401826-072			4
W4/S/MID-FLOOD	[23-JAN-2014]	HK1401826-073			3
W4/S/MID-FLOOD	[23-JAN-2014]	HK1401826-074			3
W4/M/MID-FLOOD	[23-JAN-2014]	HK1401826-075			7
W4/M/MID-FLOOD	[23-JAN-2014]	HK1401826-076			6
W4/B/MID-FLOOD	[23-JAN-2014]	HK1401826-077			7
W4/B/MID-FLOOD	[23-JAN-2014]	HK1401826-078			6
W5/M/MID-FLOOD	[23-JAN-2014]	HK1401826-081			7
W5/M/MID-FLOOD	[23-JAN-2014]	HK1401826-082			6
W6/S/MID-FLOOD	[23-JAN-2014]	HK1401826-085			7
W6/S/MID-FLOOD	[23-JAN-2014]	HK1401826-086			7
W6/M/MID-FLOOD	[23-JAN-2014]	HK1401826-087			6
W6/M/MID-FLOOD	[23-JAN-2014]	HK1401826-088			8
W6/B/MID-FLOOD	[23-JAN-2014]	HK1401826-089			8
W6/B/MID-FLOOD	[23-JAN-2014]	HK1401826-090			10
W7/S/MID-FLOOD	[23-JAN-2014]	HK1401826-091			10
W7/S/MID-FLOOD	[23-JAN-2014]	HK1401826-092			10
W7/M/MID-FLOOD	[23-JAN-2014]	HK1401826-093			9
W7/M/MID-FLOOD	[23-JAN-2014]	HK1401826-094			10



Sub-Matrix: WATER

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)			
				1 mg/L			
W7/B/MID-FLOOD	[23-JAN-2014]	HK1401826-095		8			
W7/B/MID-FLOOD	[23-JAN-2014]	HK1401826-096		8			
W8/S/MID-FLOOD	[23-JAN-2014]	HK1401826-097		5			
W8/S/MID-FLOOD	[23-JAN-2014]	HK1401826-098		5			
W8/M/MID-FLOOD	[23-JAN-2014]	HK1401826-099		5			
W8/M/MID-FLOOD	[23-JAN-2014]	HK1401826-100		4			
W8/B/MID-FLOOD	[23-JAN-2014]	HK1401826-101		4			
W8/B/MID-FLOOD	[23-JAN-2014]	HK1401826-102		4			
W9/S/MID-FLOOD	[23-JAN-2014]	HK1401826-103		5			
W9/S/MID-FLOOD	[23-JAN-2014]	HK1401826-104		4			
W9/M/MID-FLOOD	[23-JAN-2014]	HK1401826-105		5			
W9/B/MID-FLOOD	[23-JAN-2014]	HK1401826-106		6			
W9/B/MID-FLOOD	[23-JAN-2014]	HK1401826-107		6			
W9/B/MID-FLOOD	[23-JAN-2014]	HK1401826-108		4			



Laboratory Duplicate (DUP) Report

Matrix: WATER		Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3267514)								
HK1401826-003	W1/M/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	5	4	0.0
HK1401826-019	W4/S/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	6	6	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3267515)								
HK1401826-033	W6/M/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	9	9	0.0
HK1401826-043	W8/S/AMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3267516)								
HK1401826-053	W9/B/AMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1401826-071	W3/B/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3267517)								
HK1401826-085	W6/S/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	7	7	0.0
HK1401826-095	W7/B/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	8	8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3267518)								
HK1401826-105	W9/M/IMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	5	5	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report					
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QC Lot: 3267514)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.0	85	115	85	115	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3267515)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.5	85	115	85	115	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3267516)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	100	85	115	85	115	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3267517)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.0	85	115	85	115	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3267518)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	94.5	85	115	85	115	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

Client	: ACTION UNITED ENVIRO SERVICES	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 5
Contact	: MR BEN TAM	Contact	: Fung Lim Chee, Richard	Work Order	: HK1401382
Address	: RM A 20/F., GOLD KING IND BLDG, NO. 35-41 TAI LIN PAI ROAD, KWAI CHUNG, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Bentam@fordbusiness.com	E-mail	: Richard.Fung@alsglobal.com		
Telephone	: +852 2959 6059	Telephone	: +852 2610 1044		
Facsimile	: +852 2959 6079	Facsimile	: +852 2610 2021		
Project	: CONTRACT NO 1_WSD_13-IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU BASELINE MONITORING	Quote number	: ----	Date received	: 22-JAN-2014
Order number	: ----			Date of issue	: 29-JAN-2014
C-O-C number	: ----			No. of samples	: - Received : 86
Site	: ----				: - Analysed : 86

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1401382 supersedes any previous reports with this reference. The completion date of analysis is 27-JAN-2014. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK1401382 :

Project Name: Contract No. 1/WSD/13 - Improvement of Fresh Water Supply to Cheung Chau Baseline Monitoring Schedule under EP- 392/2010.
Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.
Water sample(s) analysed and reported on an as received basis.

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This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the 'Electronic Transactions Ordinance' of Hong Kong, Chapter 553, Section 6.

Signature
Fung Lim Chee, Richard

Position
General Manager

Authorised results for:-
Inorganics



Analytical Results

Sub-Matrix: WATER

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound	EA025: Suspended Solids (SS)	EA/ED: Physical and Aggregate Properties
				1 mg/L	
W1/M/MID-EBB	[21-JAN-2014]	HK1401382-003		4	
W1/M/MID-EBB	[21-JAN-2014]	HK1401382-004		3	
W2/M/MID-EBB	[21-JAN-2014]	HK1401382-009		3	
W2/M/MID-EBB	[21-JAN-2014]	HK1401382-010		4	
W3/S/MID-EBB	[21-JAN-2014]	HK1401382-013		3	
W3/S/MID-EBB	[21-JAN-2014]	HK1401382-014		2	
W3/M/MID-EBB	[21-JAN-2014]	HK1401382-015		5	
W3/M/MID-EBB	[21-JAN-2014]	HK1401382-016		4	
W3/B/MID-EBB	[21-JAN-2014]	HK1401382-017		7	
W3/B/MID-EBB	[21-JAN-2014]	HK1401382-018		6	
W4/S/MID-EBB	[21-JAN-2014]	HK1401382-019		4	
W4/S/MID-EBB	[21-JAN-2014]	HK1401382-020		4	
W4/M/MID-EBB	[21-JAN-2014]	HK1401382-021		4	
W4/M/MID-EBB	[21-JAN-2014]	HK1401382-022		3	
W4/B/MID-EBB	[21-JAN-2014]	HK1401382-023		3	
W4/B/MID-EBB	[21-JAN-2014]	HK1401382-024		4	
W5/M/MID-EBB	[21-JAN-2014]	HK1401382-027		4	
W5/M/MID-EBB	[21-JAN-2014]	HK1401382-028		5	
W6/S/MID-EBB	[21-JAN-2014]	HK1401382-031		4	
W6/S/MID-EBB	[21-JAN-2014]	HK1401382-032		3	
W6/M/MID-EBB	[21-JAN-2014]	HK1401382-033		6	
W6/M/MID-EBB	[21-JAN-2014]	HK1401382-034		5	
W6/B/MID-EBB	[21-JAN-2014]	HK1401382-035		7	
W6/B/MID-EBB	[21-JAN-2014]	HK1401382-036		6	
W7/S/MID-EBB	[21-JAN-2014]	HK1401382-037		5	
W7/S/MID-EBB	[21-JAN-2014]	HK1401382-038		5	
W7/M/MID-EBB	[21-JAN-2014]	HK1401382-039		3	
W7/M/MID-EBB	[21-JAN-2014]	HK1401382-040		4	
W7/B/MID-EBB	[21-JAN-2014]	HK1401382-041		5	
W7/B/MID-EBB	[21-JAN-2014]	HK1401382-042		5	
W8/S/MID-EBB	[21-JAN-2014]	HK1401382-043		4	
W8/S/MID-EBB	[21-JAN-2014]	HK1401382-044		2	
W8/M/MID-EBB	[21-JAN-2014]	HK1401382-045		4	
W8/M/MID-EBB	[21-JAN-2014]	HK1401382-046		5	
W8/B/MID-EBB	[21-JAN-2014]	HK1401382-047		3	



Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)	EA/ED: Physical and Aggregate Properties
				1 mg/L	
W8/B/MID-EBB	[21-JAN-2014]	HK1401382-048		4	
W9/S/MID-EBB	[21-JAN-2014]	HK1401382-049		4	
W9/S/MID-EBB	[21-JAN-2014]	HK1401382-050		4	
W9/M/MID-EBB	[21-JAN-2014]	HK1401382-051		3	
W9/M/MID-EBB	[21-JAN-2014]	HK1401382-052		3	
W9/B/MID-EBB	[21-JAN-2014]	HK1401382-053		4	
W9/B/MID-EBB	[21-JAN-2014]	HK1401382-054		4	
W1/M/MID-FLOOD	[21-JAN-2014]	HK1401382-057		4	
W1/M/MID-FLOOD	[21-JAN-2014]	HK1401382-058		4	
W2/M/MID-FLOOD	[21-JAN-2014]	HK1401382-063		3	
W2/M/MID-FLOOD	[21-JAN-2014]	HK1401382-064		5	
W3/S/MID-FLOOD	[21-JAN-2014]	HK1401382-067		4	
W3/S/MID-FLOOD	[21-JAN-2014]	HK1401382-068		3	
W3/M/MID-FLOOD	[21-JAN-2014]	HK1401382-069		2	
W3/M/MID-FLOOD	[21-JAN-2014]	HK1401382-070		3	
W3/B/MID-FLOOD	[21-JAN-2014]	HK1401382-071		5	
W3/B/MID-FLOOD	[21-JAN-2014]	HK1401382-072		5	
W4/S/MID-FLOOD	[21-JAN-2014]	HK1401382-073		5	
W4/S/MID-FLOOD	[21-JAN-2014]	HK1401382-074		4	
W4/M/MID-FLOOD	[21-JAN-2014]	HK1401382-075		4	
W4/M/MID-FLOOD	[21-JAN-2014]	HK1401382-076		4	
W4/B/MID-FLOOD	[21-JAN-2014]	HK1401382-077		5	
W4/B/MID-FLOOD	[21-JAN-2014]	HK1401382-078		4	
W5/S/MID-FLOOD	[21-JAN-2014]	HK1401382-079		4	
W5/S/MID-FLOOD	[21-JAN-2014]	HK1401382-080		3	
W5/B/MID-FLOOD	[21-JAN-2014]	HK1401382-083		3	
W5/B/MID-FLOOD	[21-JAN-2014]	HK1401382-084		3	
W6/S/MID-FLOOD	[21-JAN-2014]	HK1401382-085		4	
W6/S/MID-FLOOD	[21-JAN-2014]	HK1401382-086		3	
W6/M/MID-FLOOD	[21-JAN-2014]	HK1401382-087		5	
W6/M/MID-FLOOD	[21-JAN-2014]	HK1401382-088		4	
W6/B/MID-FLOOD	[21-JAN-2014]	HK1401382-089		4	
W6/B/MID-FLOOD	[21-JAN-2014]	HK1401382-090		5	
W7/S/MID-FLOOD	[21-JAN-2014]	HK1401382-091		3	
W7/S/MID-FLOOD	[21-JAN-2014]	HK1401382-092		4	



Sub-Matrix: WATER

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)			
				1 mg/L			
W7/M/MID-FLOOD	[21-JAN-2014]	HK1401382-093		4			
W7/M/MID-FLOOD	[21-JAN-2014]	HK1401382-094		2			
W7/B/MID-FLOOD	[21-JAN-2014]	HK1401382-095		3			
W7/B/MID-FLOOD	[21-JAN-2014]	HK1401382-096		3			
W8/S/MID-FLOOD	[21-JAN-2014]	HK1401382-097		3			
W8/S/MID-FLOOD	[21-JAN-2014]	HK1401382-098		2			
W8/M/MID-FLOOD	[21-JAN-2014]	HK1401382-099		4			
W8/M/MID-FLOOD	[21-JAN-2014]	HK1401382-100		4			
W8/B/MID-FLOOD	[21-JAN-2014]	HK1401382-101		4			
W8/B/MID-FLOOD	[21-JAN-2014]	HK1401382-102		5			
W9/S/MID-FLOOD	[21-JAN-2014]	HK1401382-103		4			
W9/S/MID-FLOOD	[21-JAN-2014]	HK1401382-104		5			
W9/M/MID-FLOOD	[21-JAN-2014]	HK1401382-105		6			
W9/M/MID-FLOOD	[21-JAN-2014]	HK1401382-106		5			
W9/B/MID-FLOOD	[21-JAN-2014]	HK1401382-107		6			
W9/B/MID-FLOOD	[21-JAN-2014]	HK1401382-108		4			



Laboratory Duplicate (DUP) Report

Matrix: WATER		Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3267090)								
HK1401382-003	W1/M/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
HK1401382-019	W4/S/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3267091)								
HK1401382-033	W6/M/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	6	6	0.0
HK1401382-043	W8/S/AMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3267092)								
HK1401382-053	W9/B/AMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
HK1401382-071	W3/B/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	5	5	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3267093)								
HK1401382-083	W5/B/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1401382-093	W7/M/IMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3267094)								
HK1401382-103	W9/S/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report					
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QC Lot: 3267090)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	85	115	85	115	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3267091)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	85	115	85	115	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3267092)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	85	115	85	115	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3267093)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.0	85	115	85	115	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3267094)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.5	85	115	85	115	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

Client	: ACTION UNITED ENVIRO SERVICES	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 5
Contact	: MR BEN TAM	Contact	: Fung Lim Chee, Richard	Work Order	: HK1401379
Address	: RM A 20/F., GOLD KING IND BLDG, NO. 35-41 TAI LIN PAI ROAD, KWAI CHUNG, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Bentam@fordbusiness.com	E-mail	: Richard.Fung@alsglobal.com		
Telephone	: +852 2959 6059	Telephone	: +852 2610 1044		
Facsimile	: +852 2959 6079	Facsimile	: +852 2610 2021		
Project	: CONTRACT NO 1_WSD_13-IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU BASELINE MONITORING	Quote number	: ----	Date received	: 20-JAN-2014
Order number	: ----			Date of issue	: 27-JAN-2014
C-O-C number	: ----			No. of samples	: - Received : 84
Site	: ----				: - Analysed : 84

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1401379 supersedes any previous reports with this reference. The completion date of analysis is 24-JAN-2014. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK1401379 :

Project Name: Contract No. 1/WSD/13 - Improvement of Fresh Water Supply to Cheung Chau Baseline Monitoring Schedule under EP- 392/2010.

Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.

Water sample(s) analysed and reported on an as received basis.

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This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the 'Electronic Transactions Ordinance' of Hong Kong, Chapter 553, Section 6.

Signatory

Fung Lim Chee, Richard

Position

General Manager

Authorised results for:-

Inorganics



Analytical Results

Sub-Matrix: WATER

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)
				1 mg/L
W1/M/MID-EBB	[18-JAN-2014]	HK1401379-003		EA025: Physical and Aggregate P Properties 4
W1/M/MID-EBB	[18-JAN-2014]	HK1401379-004		2
W2/M/MID-EBB	[18-JAN-2014]	HK1401379-009		2
W2/M/MID-EBB	[18-JAN-2014]	HK1401379-010		3
W3/S/MID-EBB	[18-JAN-2014]	HK1401379-013		2
W3/S/MID-EBB	[18-JAN-2014]	HK1401379-014		2
W3/M/MID-EBB	[18-JAN-2014]	HK1401379-015		3
W3/M/MID-EBB	[18-JAN-2014]	HK1401379-016		3
W3/B/MID-EBB	[18-JAN-2014]	HK1401379-017		4
W3/B/MID-EBB	[18-JAN-2014]	HK1401379-018		5
W4/S/MID-EBB	[18-JAN-2014]	HK1401379-019		4
W4/S/MID-EBB	[18-JAN-2014]	HK1401379-020		3
W4/M/MID-EBB	[18-JAN-2014]	HK1401379-021		4
W4/M/MID-EBB	[18-JAN-2014]	HK1401379-022		4
W4/B/MID-EBB	[18-JAN-2014]	HK1401379-023		3
W4/B/MID-EBB	[18-JAN-2014]	HK1401379-024		4
W5/M/MID-EBB	[18-JAN-2014]	HK1401379-027		3
W5/M/MID-EBB	[18-JAN-2014]	HK1401379-028		3
W6/S/MID-EBB	[18-JAN-2014]	HK1401379-031		3
W6/S/MID-EBB	[18-JAN-2014]	HK1401379-032		2
W6/M/MID-EBB	[18-JAN-2014]	HK1401379-033		3
W6/M/MID-EBB	[18-JAN-2014]	HK1401379-034		3
W6/B/MID-EBB	[18-JAN-2014]	HK1401379-035		5
W6/B/MID-EBB	[18-JAN-2014]	HK1401379-036		4
W7/S/MID-EBB	[18-JAN-2014]	HK1401379-037		2
W7/S/MID-EBB	[18-JAN-2014]	HK1401379-038		2
W7/M/MID-EBB	[18-JAN-2014]	HK1401379-039		3
W7/M/MID-EBB	[18-JAN-2014]	HK1401379-040		3
W7/B/MID-EBB	[18-JAN-2014]	HK1401379-041		2
W7/B/MID-EBB	[18-JAN-2014]	HK1401379-042		4
W8/S/MID-EBB	[18-JAN-2014]	HK1401379-043		3
W8/S/MID-EBB	[18-JAN-2014]	HK1401379-044		2
W8/M/MID-EBB	[18-JAN-2014]	HK1401379-045		3
W8/M/MID-EBB	[18-JAN-2014]	HK1401379-046		3
W8/B/MID-EBB	[18-JAN-2014]	HK1401379-047		2



Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)	EA025: Suspended Solids (SS) 1 mg/L
				EA025: Suspended Solids (SS) 1 mg/L	
W8/B/MID-EBB	[18-JAN-2014]	HK1401379-048		2	
W9/S/MID-EBB	[18-JAN-2014]	HK1401379-049		4	
W9/S/MID-EBB	[18-JAN-2014]	HK1401379-050		3	
W9/M/MID-EBB	[18-JAN-2014]	HK1401379-051		3	
W9/M/MID-EBB	[18-JAN-2014]	HK1401379-052		3	
W9/B/MID-EBB	[18-JAN-2014]	HK1401379-053		3	
W9/B/MID-EBB	[18-JAN-2014]	HK1401379-054		3	
W1/M/MID-FLOOD	[18-JAN-2014]	HK1401379-057		3	
W1/M/MID-FLOOD	[18-JAN-2014]	HK1401379-058		3	
W2/M/MID-FLOOD	[18-JAN-2014]	HK1401379-063		4	
W2/M/MID-FLOOD	[18-JAN-2014]	HK1401379-064		3	
W3/S/MID-FLOOD	[18-JAN-2014]	HK1401379-067		4	
W3/S/MID-FLOOD	[18-JAN-2014]	HK1401379-068		3	
W3/M/MID-FLOOD	[18-JAN-2014]	HK1401379-069		3	
W3/M/MID-FLOOD	[18-JAN-2014]	HK1401379-070		4	
W3/B/MID-FLOOD	[18-JAN-2014]	HK1401379-071		3	
W3/B/MID-FLOOD	[18-JAN-2014]	HK1401379-072		3	
W4/S/MID-FLOOD	[18-JAN-2014]	HK1401379-073		3	
W4/S/MID-FLOOD	[18-JAN-2014]	HK1401379-074		4	
W4/M/MID-FLOOD	[18-JAN-2014]	HK1401379-075		2	
W4/M/MID-FLOOD	[18-JAN-2014]	HK1401379-076		3	
W4/B/MID-FLOOD	[18-JAN-2014]	HK1401379-077		4	
W4/B/MID-FLOOD	[18-JAN-2014]	HK1401379-078		5	
W5/M/MID-FLOOD	[18-JAN-2014]	HK1401379-081		2	
W5/M/MID-FLOOD	[18-JAN-2014]	HK1401379-082		2	
W6/S/MID-FLOOD	[18-JAN-2014]	HK1401379-085		3	
W6/S/MID-FLOOD	[18-JAN-2014]	HK1401379-086		2	
W6/M/MID-FLOOD	[18-JAN-2014]	HK1401379-087		4	
W6/M/MID-FLOOD	[18-JAN-2014]	HK1401379-088		3	
W6/B/MID-FLOOD	[18-JAN-2014]	HK1401379-089		2	
W6/B/MID-FLOOD	[18-JAN-2014]	HK1401379-090		3	
W7/S/MID-FLOOD	[18-JAN-2014]	HK1401379-091		2	
W7/S/MID-FLOOD	[18-JAN-2014]	HK1401379-092		3	
W7/M/MID-FLOOD	[18-JAN-2014]	HK1401379-093		3	
W7/M/MID-FLOOD	[18-JAN-2014]	HK1401379-094		2	



Sub-Matrix: WATER

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)			
				1 mg/L			
W7/B/MID-FLOOD	[18-JAN-2014]	HK1401379-095		3			
W7/B/MID-FLOOD	[18-JAN-2014]	HK1401379-096		4			
W8/S/MID-FLOOD	[18-JAN-2014]	HK1401379-097		3			
W8/S/MID-FLOOD	[18-JAN-2014]	HK1401379-098		3			
W8/M/MID-FLOOD	[18-JAN-2014]	HK1401379-099		3			
W8/M/MID-FLOOD	[18-JAN-2014]	HK1401379-100		3			
W8/B/MID-FLOOD	[18-JAN-2014]	HK1401379-101		2			
W8/B/MID-FLOOD	[18-JAN-2014]	HK1401379-102		3			
W9/S/MID-FLOOD	[18-JAN-2014]	HK1401379-103		3			
W9/S/MID-FLOOD	[18-JAN-2014]	HK1401379-104		4			
W9/M/MID-FLOOD	[18-JAN-2014]	HK1401379-105		3			
W9/M/MID-FLOOD	[18-JAN-2014]	HK1401379-106		4			
W9/B/MID-FLOOD	[18-JAN-2014]	HK1401379-107		4			
W9/B/MID-FLOOD	[18-JAN-2014]	HK1401379-108		4			



Laboratory Duplicate (DUP) Report

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3260194)								
HK1401379-003	W1/M/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
HK1401379-019	W4/S/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3260195)								
HK1401379-033	W6/M/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1401379-043	W8/S/AMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3260196)								
HK1401379-053	W9/B/AMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1401379-071	W3/B/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3260197)								
HK1401379-085	W6/S/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1401379-095	W7/B/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3260198)								
HK1401379-105	W9/M/IMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER				Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report					
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	High	Value	Control Limit	RPDs (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3260194)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	100	----	----	85	115	----	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3260195)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	----	85	115	----	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3260196)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.5	----	----	85	115	----	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3260197)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.0	----	----	85	115	----	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3260198)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	----	85	115	----	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

Client	: ACTION UNITED ENVIRO SERVICES	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 5
Contact	: MR BEN TAM	Contact	: Fung Lim Chee, Richard	Work Order	: HK1401378
Address	: RM A 20/F., GOLD KING IND BLDG, NO. 35-41 TAI LIN PAI ROAD, KWAI CHUNG, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Bentam@fordbusiness.com	E-mail	: Richard.Fung@alsglobal.com		
Telephone	: +852 2959 6059	Telephone	: +852 2610 1044		
Facsimile	: +852 2959 6079	Facsimile	: +852 2610 2021		
Project	: CONTRACT NO 1_WSD_13-IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU BASELINE MONITORING	Quote number	: ----	Date received	: 16-JAN-2014
Order number	: ----	Date of issue	: 23-JAN-2014	No. of samples	: - Received : 84
C-O-C number	: ----				: - Analysed : 84
Site	: ----				

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1401378 supersedes any previous reports with this reference. The completion date of analysis is 21-JAN-2014. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK1401378 :

Project Name: Contract No. 1/WSD/13 - Improvement of Fresh Water Supply to Cheung Chau Baseline Monitoring Schedule under EP- 392/2010.
Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.
Water sample(s) analysed and reported on an as received basis.

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This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the 'Electronic Transactions Ordinance' of Hong Kong, Chapter 553, Section 6.

Signatory	Position	Authorised results for:-
Fung Lim Chee, Richard	General Manager	Inorganics



Analytical Results

Sub-Matrix: WATER

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)
				1 mg/L
W1/M/MID-EBB	[16-JAN-2014]	HK1401378-003		5
W1/M/MID-EBB	[16-JAN-2014]	HK1401378-004		5
W2/M/MID-EBB	[16-JAN-2014]	HK1401378-009		6
W2/M/MID-EBB	[16-JAN-2014]	HK1401378-010		7
W3/S/MID-EBB	[16-JAN-2014]	HK1401378-013		5
W3/S/MID-EBB	[16-JAN-2014]	HK1401378-014		4
W3/M/MID-EBB	[16-JAN-2014]	HK1401378-015		6
W3/M/MID-EBB	[16-JAN-2014]	HK1401378-016		5
W3/B/MID-EBB	[16-JAN-2014]	HK1401378-017		4
W3/B/MID-EBB	[16-JAN-2014]	HK1401378-018		6
W4/S/MID-EBB	[16-JAN-2014]	HK1401378-019		4
W4/S/MID-EBB	[16-JAN-2014]	HK1401378-020		4
W4/M/MID-EBB	[16-JAN-2014]	HK1401378-021		4
W4/M/MID-EBB	[16-JAN-2014]	HK1401378-022		5
W4/B/MID-EBB	[16-JAN-2014]	HK1401378-023		8
W4/B/MID-EBB	[16-JAN-2014]	HK1401378-024		6
W5/M/MID-EBB	[16-JAN-2014]	HK1401378-027		5
W5/M/MID-EBB	[16-JAN-2014]	HK1401378-028		3
W6/S/MID-EBB	[16-JAN-2014]	HK1401378-031		4
W6/S/MID-EBB	[16-JAN-2014]	HK1401378-032		2
W6/M/MID-EBB	[16-JAN-2014]	HK1401378-033		3
W6/M/MID-EBB	[16-JAN-2014]	HK1401378-034		4
W6/B/MID-EBB	[16-JAN-2014]	HK1401378-035		5
W6/B/MID-EBB	[16-JAN-2014]	HK1401378-036		4
W7/S/MID-EBB	[16-JAN-2014]	HK1401378-037		3
W7/S/MID-EBB	[16-JAN-2014]	HK1401378-038		2
W7/M/MID-EBB	[16-JAN-2014]	HK1401378-039		3
W7/M/MID-EBB	[16-JAN-2014]	HK1401378-040		3
W7/B/MID-EBB	[16-JAN-2014]	HK1401378-041		2
W7/B/MID-EBB	[16-JAN-2014]	HK1401378-042		4
W8/S/MID-EBB	[16-JAN-2014]	HK1401378-043		4
W8/S/MID-EBB	[16-JAN-2014]	HK1401378-044		4
W8/M/MID-EBB	[16-JAN-2014]	HK1401378-045		5
W8/M/MID-EBB	[16-JAN-2014]	HK1401378-046		4
W8/B/MID-EBB	[16-JAN-2014]	HK1401378-047		3



Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)	EA025: Suspended Solids (SS) 1 mg/L
				EA025: Suspended Solids (SS) 1 mg/L	
W8/B/MID-EBB	[16-JAN-2014]	HK1401378-048		EA025: Physical and Aggregate Properties	5
W9/S/MID-EBB	[16-JAN-2014]	HK1401378-049			9
W9/S/MID-EBB	[16-JAN-2014]	HK1401378-050			9
W9/M/MID-EBB	[16-JAN-2014]	HK1401378-051			12
W9/M/MID-EBB	[16-JAN-2014]	HK1401378-052			12
W9/B/MID-EBB	[16-JAN-2014]	HK1401378-053			14
W9/B/MID-EBB	[16-JAN-2014]	HK1401378-054			14
W1/M/MID-FLOOD	[16-JAN-2014]	HK1401378-057			7
W1/M/MID-FLOOD	[16-JAN-2014]	HK1401378-058			6
W2/M/MID-FLOOD	[16-JAN-2014]	HK1401378-063			4
W2/M/MID-FLOOD	[16-JAN-2014]	HK1401378-064			2
W3/S/MID-FLOOD	[16-JAN-2014]	HK1401378-067			4
W3/S/MID-FLOOD	[16-JAN-2014]	HK1401378-068			2
W3/M/MID-FLOOD	[16-JAN-2014]	HK1401378-069			4
W3/M/MID-FLOOD	[16-JAN-2014]	HK1401378-070			4
W3/B/MID-FLOOD	[16-JAN-2014]	HK1401378-071			4
W3/B/MID-FLOOD	[16-JAN-2014]	HK1401378-072			4
W4/S/MID-FLOOD	[16-JAN-2014]	HK1401378-073			5
W4/S/MID-FLOOD	[16-JAN-2014]	HK1401378-074			4
W4/M/MID-FLOOD	[16-JAN-2014]	HK1401378-075			4
W4/M/MID-FLOOD	[16-JAN-2014]	HK1401378-076			5
W4/B/MID-FLOOD	[16-JAN-2014]	HK1401378-077			5
W4/B/MID-FLOOD	[16-JAN-2014]	HK1401378-078			4
W5/M/MID-FLOOD	[16-JAN-2014]	HK1401378-081			4
W5/M/MID-FLOOD	[16-JAN-2014]	HK1401378-082			4
W6/S/MID-FLOOD	[16-JAN-2014]	HK1401378-085			4
W6/S/MID-FLOOD	[16-JAN-2014]	HK1401378-086			3
W6/M/MID-FLOOD	[16-JAN-2014]	HK1401378-087			4
W6/M/MID-FLOOD	[16-JAN-2014]	HK1401378-088			4
W6/B/MID-FLOOD	[16-JAN-2014]	HK1401378-089			3
W6/B/MID-FLOOD	[16-JAN-2014]	HK1401378-090			4
W7/S/MID-FLOOD	[16-JAN-2014]	HK1401378-091			3
W7/S/MID-FLOOD	[16-JAN-2014]	HK1401378-092			3
W7/M/MID-FLOOD	[16-JAN-2014]	HK1401378-093			4
W7/M/MID-FLOOD	[16-JAN-2014]	HK1401378-094			3



Sub-Matrix: WATER

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)			
				1 mg/L			
W7/B/MID-FLOOD	[16-JAN-2014]	HK1401378-095		3			
W7/B/MID-FLOOD	[16-JAN-2014]	HK1401378-096		4			
W8/S/MID-FLOOD	[16-JAN-2014]	HK1401378-097		4			
W8/S/MID-FLOOD	[16-JAN-2014]	HK1401378-098		4			
W8/M/MID-FLOOD	[16-JAN-2014]	HK1401378-099		5			
W8/M/MID-FLOOD	[16-JAN-2014]	HK1401378-100		4			
W8/B/MID-FLOOD	[16-JAN-2014]	HK1401378-101		5			
W8/B/MID-FLOOD	[16-JAN-2014]	HK1401378-102		5			
W9/S/MID-FLOOD	[16-JAN-2014]	HK1401378-103		7			
W9/S/MID-FLOOD	[16-JAN-2014]	HK1401378-104		7			
W9/M/MID-FLOOD	[16-JAN-2014]	HK1401378-105		7			
W9/B/MID-FLOOD	[16-JAN-2014]	HK1401378-106		8			
W9/B/MID-FLOOD	[16-JAN-2014]	HK1401378-107		9			
W9/B/MID-FLOOD	[16-JAN-2014]	HK1401378-108		8			



Laboratory Duplicate (DUP) Report

Matrix: WATER		Laboratory Duplicate (DUP) Report									
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)			
EA/ED: Physical and Aggregate Properties (QC Lot: 3259486)											
HK1401378-003	W1/M/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	5	5	0.0			
HK1401378-019	W4/S/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0			
EA/ED: Physical and Aggregate Properties (QC Lot: 3259487)											
HK1401378-033	W6/M/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0			
HK1401378-043	W8/S/AMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0			
EA/ED: Physical and Aggregate Properties (QC Lot: 3259488)											
HK1401378-053	W9/B/AMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	14	14	0.0			
HK1401378-071	W3/B/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0			
EA/ED: Physical and Aggregate Properties (QC Lot: 3259489)											
HK1401378-085	W6/S/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0			
HK1401378-095	W7/B/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0			
EA/ED: Physical and Aggregate Properties (QC Lot: 3259490)											
HK1401378-105	W9/M/IMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	7	7	0.0			

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER										
Method Blank (MB) Report					Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report					
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	RPDs (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3259486)										
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	85	115	85	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3259487)										
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	101	85	115	85	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3259488)										
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	101	85	115	85	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3259489)										
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.5	85	115	85	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3259490)										
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	85	115	85	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

Client	: ACTION UNITED ENVIRO SERVICES	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 5
Contact	: MR BEN TAM	Contact	: Fung Lim Chee, Richard	Work Order	: HK1400264
Address	: RM A 20/F., GOLD KING IND BLDG, NO. 35-41 TAI LIN PAI ROAD, KWAI CHUNG, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Bentam@fordbusiness.com	E-mail	: Richard.Fung@alsglobal.com		
Telephone	: +852 2959 6059	Telephone	: +852 2610 1044		
Facsimile	: +852 2959 6079	Facsimile	: +852 2610 2021		
Project	: CONTRACT NO 1_WSD_13-IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU BASELINE MONITORING	Quote number	: ----	Date received	: 14-JAN-2014
Order number	: ----			Date of issue	: 22-JAN-2014
C-O-C number	: ----			No. of samples	: - Received : 84
Site	: ----				: - Analysed : 84

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1400264 supersedes any previous reports with this reference. The completion date of analysis is 20-JAN-2014. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK1400264 :

Project Name: Contract No. 1/WSD/13 - Improvement of Fresh Water Supply to Cheung Chau Baseline Monitoring Schedule under EP- 392/2010.

Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.

Water sample(s) analysed and reported on an as received basis.

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Signature
Fung Lim Chee, Richard

Position
General Manager

Authorised results for:-
Inorganics



Analytical Results

Sub-Matrix: WATER

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)	EA/ED: Physical and Aggregate Properties
				1 mg/L	
W1/M/MID-EBB	[14-JAN-2014]	HK1400264-003		7	
W1/M/MID-EBB	[14-JAN-2014]	HK1400264-004		8	
W2/M/MID-EBB	[14-JAN-2014]	HK1400264-009		6	
W2/M/MID-EBB	[14-JAN-2014]	HK1400264-010		6	
W3/S/MID-EBB	[14-JAN-2014]	HK1400264-013		4	
W3/S/MID-EBB	[14-JAN-2014]	HK1400264-014		3	
W3/M/MID-EBB	[14-JAN-2014]	HK1400264-015		4	
W3/M/MID-EBB	[14-JAN-2014]	HK1400264-016		4	
W3/B/MID-EBB	[14-JAN-2014]	HK1400264-017		4	
W3/B/MID-EBB	[14-JAN-2014]	HK1400264-018		5	
W4/S/MID-EBB	[14-JAN-2014]	HK1400264-019		4	
W4/S/MID-EBB	[14-JAN-2014]	HK1400264-020		4	
W4/M/MID-EBB	[14-JAN-2014]	HK1400264-021		5	
W4/M/MID-EBB	[14-JAN-2014]	HK1400264-022		4	
W4/B/MID-EBB	[14-JAN-2014]	HK1400264-023		4	
W4/B/MID-EBB	[14-JAN-2014]	HK1400264-024		6	
W5/M/MID-EBB	[14-JAN-2014]	HK1400264-027		4	
W5/M/MID-EBB	[14-JAN-2014]	HK1400264-028		4	
W6/S/MID-EBB	[14-JAN-2014]	HK1400264-031		3	
W6/S/MID-EBB	[14-JAN-2014]	HK1400264-032		3	
W6/M/MID-EBB	[14-JAN-2014]	HK1400264-033		3	
W6/M/MID-EBB	[14-JAN-2014]	HK1400264-034		4	
W6/B/MID-EBB	[14-JAN-2014]	HK1400264-035		4	
W6/B/MID-EBB	[14-JAN-2014]	HK1400264-036		4	
W7/S/MID-EBB	[14-JAN-2014]	HK1400264-037		4	
W7/S/MID-EBB	[14-JAN-2014]	HK1400264-038		4	
W7/M/MID-EBB	[14-JAN-2014]	HK1400264-039		5	
W7/M/MID-EBB	[14-JAN-2014]	HK1400264-040		4	
W7/B/MID-EBB	[14-JAN-2014]	HK1400264-041		6	
W7/B/MID-EBB	[14-JAN-2014]	HK1400264-042		4	
W8/S/MID-EBB	[14-JAN-2014]	HK1400264-043		3	
W8/S/MID-EBB	[14-JAN-2014]	HK1400264-044		3	
W8/M/MID-EBB	[14-JAN-2014]	HK1400264-045		4	
W8/M/MID-EBB	[14-JAN-2014]	HK1400264-046		3	
W8/B/MID-EBB	[14-JAN-2014]	HK1400264-047		3	



Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)	EA/ED: Physical and Aggregate Properties
				1 mg/L	
W8/B/MID-EBB	[14-JAN-2014]	HK1400264-048		3	
W9/S/MID-EBB	[14-JAN-2014]	HK1400264-049		3	
W9/S/MID-EBB	[14-JAN-2014]	HK1400264-050		4	
W9/M/MID-EBB	[14-JAN-2014]	HK1400264-051		4	
W9/M/MID-EBB	[14-JAN-2014]	HK1400264-052		5	
W9/B/MID-EBB	[14-JAN-2014]	HK1400264-053		4	
W9/B/MID-EBB	[14-JAN-2014]	HK1400264-054		5	
W1/M/MID-FLOOD	[14-JAN-2014]	HK1400264-057		3	
W1/M/MID-FLOOD	[14-JAN-2014]	HK1400264-058		3	
W2/M/MID-FLOOD	[14-JAN-2014]	HK1400264-063		4	
W2/M/MID-FLOOD	[14-JAN-2014]	HK1400264-064		4	
W3/S/MID-FLOOD	[14-JAN-2014]	HK1400264-067		2	
W3/S/MID-FLOOD	[14-JAN-2014]	HK1400264-068		3	
W3/M/MID-FLOOD	[14-JAN-2014]	HK1400264-069		3	
W3/M/MID-FLOOD	[14-JAN-2014]	HK1400264-070		3	
W3/B/MID-FLOOD	[14-JAN-2014]	HK1400264-071		3	
W3/B/MID-FLOOD	[14-JAN-2014]	HK1400264-072		4	
W4/S/MID-FLOOD	[14-JAN-2014]	HK1400264-073		4	
W4/S/MID-FLOOD	[14-JAN-2014]	HK1400264-074		2	
W4/M/MID-FLOOD	[14-JAN-2014]	HK1400264-075		4	
W4/M/MID-FLOOD	[14-JAN-2014]	HK1400264-076		3	
W4/B/MID-FLOOD	[14-JAN-2014]	HK1400264-077		4	
W4/B/MID-FLOOD	[14-JAN-2014]	HK1400264-078		3	
W5/M/MID-FLOOD	[14-JAN-2014]	HK1400264-081		3	
W5/M/MID-FLOOD	[14-JAN-2014]	HK1400264-082		3	
W6/S/MID-FLOOD	[14-JAN-2014]	HK1400264-085		3	
W6/S/MID-FLOOD	[14-JAN-2014]	HK1400264-086		3	
W6/M/MID-FLOOD	[14-JAN-2014]	HK1400264-087		2	
W6/M/MID-FLOOD	[14-JAN-2014]	HK1400264-088		2	
W6/B/MID-FLOOD	[14-JAN-2014]	HK1400264-089		2	
W6/B/MID-FLOOD	[14-JAN-2014]	HK1400264-090		3	
W7/S/MID-FLOOD	[14-JAN-2014]	HK1400264-091		3	
W7/S/MID-FLOOD	[14-JAN-2014]	HK1400264-092		3	
W7/M/MID-FLOOD	[14-JAN-2014]	HK1400264-093		2	
W7/M/MID-FLOOD	[14-JAN-2014]	HK1400264-094		2	



Sub-Matrix: WATER

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)			
				1 mg/L			
W7/B/MID-FLOOD	[14-JAN-2014]	HK1400264-095		3			
W7/B/MID-FLOOD	[14-JAN-2014]	HK1400264-096		2			
W8/S/MID-FLOOD	[14-JAN-2014]	HK1400264-097		4			
W8/S/MID-FLOOD	[14-JAN-2014]	HK1400264-098		4			
W8/M/MID-FLOOD	[14-JAN-2014]	HK1400264-099		4			
W8/M/MID-FLOOD	[14-JAN-2014]	HK1400264-100		3			
W8/B/MID-FLOOD	[14-JAN-2014]	HK1400264-101		4			
W8/B/MID-FLOOD	[14-JAN-2014]	HK1400264-102		3			
W9/S/MID-FLOOD	[14-JAN-2014]	HK1400264-103		4			
W9/S/MID-FLOOD	[14-JAN-2014]	HK1400264-104		4			
W9/M/MID-FLOOD	[14-JAN-2014]	HK1400264-105		3			
W9/M/MID-FLOOD	[14-JAN-2014]	HK1400264-106		4			
W9/B/MID-FLOOD	[14-JAN-2014]	HK1400264-107		4			
W9/B/MID-FLOOD	[14-JAN-2014]	HK1400264-108		4			



Laboratory Duplicate (DUP) Report

Matrix: WATER		Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3257818)								
HK1400264-003	W1/M/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	7	7	0.0
HK1400264-019	W4/S/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3257819)								
HK1400264-033	W6/M/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1400264-043	W8/S/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3257820)								
HK1400264-053	W9/B/AMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
HK1400264-071	W3/B/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3257821)								
HK1400264-085	W6/S/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1400264-095	W7/B/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3257822)								
HK1400264-105	W9/M/IMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER				Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report					
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	High	Value	Control Limit	RPDs (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3257818)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	----	85	115	----	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3257819)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.0	----	----	85	115	----	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3257820)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.5	----	----	85	115	----	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3257821)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	----	85	115	----	----	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3257822)													
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	96.5	----	----	85	115	----	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

Client	: ACTION UNITED ENVIRO SERVICES	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 5
Contact	: MR BEN TAM	Contact	: Fung Lim Chee, Richard	Work Order	: HK1400263
Address	: RM A 20/F., GOLD KING IND BLDG, NO. 35-41 TAI LIN PAI ROAD, KWAI CHUNG, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
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Project	: CONTRACT NO 1_WSD_13-IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU BASELINE MONITORING	Quote number	: ----	Date received	: 11-JAN-2014
Order number	: ----			Date of issue	: 18-JAN-2014
C-O-C number	: ----			No. of samples	: - Received : 84
Site	: ----				: - Analysed : 84

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1400263 supersedes any previous reports with this reference. The completion date of analysis is 16-JAN-2014. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK1400263 :

Project Name: Contract No. 1/WSD/13 - Improvement of Fresh Water Supply to Cheung Chau Baseline Monitoring Schedule under EP- 392/2010.
Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.
Water sample(s) analysed and reported on an as received basis.

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This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the 'Electronic Transactions Ordinance' of Hong Kong, Chapter 553, Section 6.

Signature
Fung Lim Chee, Richard

Position
General Manager

Authorised results for:-
Inorganics



Analytical Results

Sub-Matrix: WATER

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)	EA/ED: Physical and Aggregate Properties
				1 mg/L	
W1/M/MID-EBB	[11-JAN-2014]	HK1400263-003		4	
W1/M/MID-EBB	[11-JAN-2014]	HK1400263-004		3	
W2/M/MID-EBB	[11-JAN-2014]	HK1400263-009		4	
W2/M/MID-EBB	[11-JAN-2014]	HK1400263-010		5	
W3/S/MID-EBB	[11-JAN-2014]	HK1400263-013		6	
W3/S/MID-EBB	[11-JAN-2014]	HK1400263-014		6	
W3/M/MID-EBB	[11-JAN-2014]	HK1400263-015		6	
W3/M/MID-EBB	[11-JAN-2014]	HK1400263-016		6	
W3/B/MID-EBB	[11-JAN-2014]	HK1400263-017		7	
W3/B/MID-EBB	[11-JAN-2014]	HK1400263-018		6	
W4/S/MID-EBB	[11-JAN-2014]	HK1400263-019		5	
W4/S/MID-EBB	[11-JAN-2014]	HK1400263-020		5	
W4/M/MID-EBB	[11-JAN-2014]	HK1400263-021		5	
W4/M/MID-EBB	[11-JAN-2014]	HK1400263-022		6	
W4/B/MID-EBB	[11-JAN-2014]	HK1400263-023		5	
W4/B/MID-EBB	[11-JAN-2014]	HK1400263-024		4	
W5/M/MID-EBB	[11-JAN-2014]	HK1400263-027		5	
W5/M/MID-EBB	[11-JAN-2014]	HK1400263-028		5	
W6/S/MID-EBB	[11-JAN-2014]	HK1400263-031		4	
W6/S/MID-EBB	[11-JAN-2014]	HK1400263-032		3	
W6/M/MID-EBB	[11-JAN-2014]	HK1400263-033		5	
W6/M/MID-EBB	[11-JAN-2014]	HK1400263-034		5	
W6/B/MID-EBB	[11-JAN-2014]	HK1400263-035		4	
W6/B/MID-EBB	[11-JAN-2014]	HK1400263-036		4	
W7/S/MID-EBB	[11-JAN-2014]	HK1400263-037		4	
W7/S/MID-EBB	[11-JAN-2014]	HK1400263-038		5	
W7/M/MID-EBB	[11-JAN-2014]	HK1400263-039		5	
W7/M/MID-EBB	[11-JAN-2014]	HK1400263-040		5	
W7/B/MID-EBB	[11-JAN-2014]	HK1400263-041		5	
W7/B/MID-EBB	[11-JAN-2014]	HK1400263-042		5	
W8/S/MID-EBB	[11-JAN-2014]	HK1400263-043		4	
W8/S/MID-EBB	[11-JAN-2014]	HK1400263-044		4	
W8/M/MID-EBB	[11-JAN-2014]	HK1400263-045		5	
W8/M/MID-EBB	[11-JAN-2014]	HK1400263-046		6	
W8/B/MID-EBB	[11-JAN-2014]	HK1400263-047		6	



Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)	EA025: Suspended Solids (SS) 1 mg/L
				EA025: Suspended Solids (SS) 1 mg/L	
W6/B/MID-EBB	[11-JAN-2014]	HK1400263-048		8	
W9/S/MID-EBB	[11-JAN-2014]	HK1400263-049		8	
W9/S/MID-EBB	[11-JAN-2014]	HK1400263-050		8	
W9/M/MID-EBB	[11-JAN-2014]	HK1400263-051		7	
W9/M/MID-EBB	[11-JAN-2014]	HK1400263-052		7	
W9/B/MID-EBB	[11-JAN-2014]	HK1400263-053		7	
W9/B/MID-EBB	[11-JAN-2014]	HK1400263-054		8	
W1/M/MID-FLOOD	[11-JAN-2014]	HK1400263-057		7	
W1/M/MID-FLOOD	[11-JAN-2014]	HK1400263-058		8	
W2/M/MID-FLOOD	[11-JAN-2014]	HK1400263-063		5	
W2/M/MID-FLOOD	[11-JAN-2014]	HK1400263-064		6	
W3/S/MID-FLOOD	[11-JAN-2014]	HK1400263-067		4	
W3/S/MID-FLOOD	[11-JAN-2014]	HK1400263-068		4	
W3/M/MID-FLOOD	[11-JAN-2014]	HK1400263-069		3	
W3/M/MID-FLOOD	[11-JAN-2014]	HK1400263-070		5	
W3/B/MID-FLOOD	[11-JAN-2014]	HK1400263-071		6	
W3/B/MID-FLOOD	[11-JAN-2014]	HK1400263-072		5	
W4/S/MID-FLOOD	[11-JAN-2014]	HK1400263-073		6	
W4/S/MID-FLOOD	[11-JAN-2014]	HK1400263-074		4	
W4/M/MID-FLOOD	[11-JAN-2014]	HK1400263-075		6	
W4/M/MID-FLOOD	[11-JAN-2014]	HK1400263-076		6	
W4/B/MID-FLOOD	[11-JAN-2014]	HK1400263-077		5	
W4/B/MID-FLOOD	[11-JAN-2014]	HK1400263-078		4	
W5/M/MID-FLOOD	[11-JAN-2014]	HK1400263-081		5	
W5/M/MID-FLOOD	[11-JAN-2014]	HK1400263-082		5	
W6/S/MID-FLOOD	[11-JAN-2014]	HK1400263-085		4	
W6/S/MID-FLOOD	[11-JAN-2014]	HK1400263-086		4	
W6/M/MID-FLOOD	[11-JAN-2014]	HK1400263-087		4	
W6/M/MID-FLOOD	[11-JAN-2014]	HK1400263-088		5	
W6/B/MID-FLOOD	[11-JAN-2014]	HK1400263-089		6	
W6/B/MID-FLOOD	[11-JAN-2014]	HK1400263-090		6	
W7/S/MID-FLOOD	[11-JAN-2014]	HK1400263-091		6	
W7/S/MID-FLOOD	[11-JAN-2014]	HK1400263-092		4	
W7/M/MID-FLOOD	[11-JAN-2014]	HK1400263-093		6	
W7/M/MID-FLOOD	[11-JAN-2014]	HK1400263-094		5	



Sub-Matrix: WATER

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EA025: Suspended Solids (SS)			
				1 mg/L			
W7/B/MID-FLOOD	[11-JAN-2014]	HK1400263-095		6			
W7/B/MID-FLOOD	[11-JAN-2014]	HK1400263-096		6			
W8/S/MID-FLOOD	[11-JAN-2014]	HK1400263-097		4			
W8/S/MID-FLOOD	[11-JAN-2014]	HK1400263-098		6			
W8/M/MID-FLOOD	[11-JAN-2014]	HK1400263-099		4			
W8/M/MID-FLOOD	[11-JAN-2014]	HK1400263-100		5			
W8/B/MID-FLOOD	[11-JAN-2014]	HK1400263-101		4			
W8/B/MID-FLOOD	[11-JAN-2014]	HK1400263-102		6			
W9/S/MID-FLOOD	[11-JAN-2014]	HK1400263-103		5			
W9/S/MID-FLOOD	[11-JAN-2014]	HK1400263-104		6			
W9/M/MID-FLOOD	[11-JAN-2014]	HK1400263-105		7			
W9/M/MID-FLOOD	[11-JAN-2014]	HK1400263-106		8			
W9/B/MID-FLOOD	[11-JAN-2014]	HK1400263-107		10			
W9/B/MID-FLOOD	[11-JAN-2014]	HK1400263-108		11			



Laboratory Duplicate (DUP) Report

Matrix: WATER		Laboratory Duplicate (DUP) Report									
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)			
EA/ED: Physical and Aggregate Properties (QC Lot: 3251541)											
HK1400263-003	W1/M/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0			
HK1400263-020	W4/S/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	5	5	0.0			
EA/ED: Physical and Aggregate Properties (QC Lot: 3251542)											
HK1400263-033	W6/M/IMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	5	5	0.0			
HK1400263-043	W8/S/AMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0			
EA/ED: Physical and Aggregate Properties (QC Lot: 3251543)											
HK1400263-053	W9/B/AMID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	7	7	0.0			
HK1400263-071	W3/B/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	6	6	0.0			
EA/ED: Physical and Aggregate Properties (QC Lot: 3251544)											
HK1400263-085	W6/S/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0			
HK1400263-096	W7/B/AMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	6	7	0.0			
EA/ED: Physical and Aggregate Properties (QC Lot: 3251545)											
HK1400263-105	W9/M/IMID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	7	8	0.0			

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER										
Method Blank (MB) Report					Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report					
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	RPDs (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3251541)										
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.5	85	115	85	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3251542)										
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.0	85	115	85	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3251543)										
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.0	85	115	85	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3251544)										
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	101	85	115	85	----
EA/ED: Physical and Aggregate Properties (QC Lot: 3251545)										
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.0	85	115	85	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.

Appendix F

Continuous Noise Measurement Data

Normal Daytime 0700-1900

Time	18-Jan-2014			20-Jan-2014			21-Jan-2014			22-Jan-2014			23-Jan-2014			24-Jan-2014			25-Jan-2014		
	Leq5min	L10(5mins)	L90(5mins)	Leq5min	L10(5mins)	L90(5mins)	Leq5min	L10(5mins)	L90(5mins)	Leq5min	L10(5mins)	L90(5mins)	Leq5min	L10(5mins)	L90(5mins)	Leq5min	L10(5mins)	L90(5mins)	Leq5min	L10(5mins)	L90(5mins)
0700	52.1	53.5	48.0	62.3	65.5	56.5	55.3	53.1	53.1	54.0	49.0	55.9	56.3	47.0	60.0	56.5	50.0	53.5	56.0	50.0	48.0
0705	53.4	55.0	50.0	61.3	64.0	56.0	52.2	53.8	48.5	55.5	50.0	55.9	54.3	53.6	56.5	50.5	53.6	52.1	53.5	49.0	47.5
0710	54.4	56.5	50.5	60.5	62.5	55.5	54.9	54.2	58.5	56.0	50.0	53.3	54.0	48.5	55.5	48.5	54.0	51.8	56.0	50.5	48.0
0715	53.9	55.5	51.0	61.2	63.0	56.0	54.2	52.5	56.5	50.5	49.5	54.9	52.2	50.0	57.5	50.0	48.0	53.6	54.0	48.0	49.0
0720	52.8	54.0	49.5	60.5	63.0	55.5	52.5	53.6	55.5	50.0	50.0	53.6	54.4	50.0	55.0	50.0	49.0	54.9	57.0	49.0	50.0
0725	55.2	58.0	50.5	59.6	61.5	55.0	52.9	53.0	54.5	50.0	54.5	55.5	54.4	51.0	56.5	51.0	55.5	58.7	62.5	51.0	51.5
0730	55.5	58.0	52.0	61.6	63.0	56.0	55.4	53.0	56.5	52.0	49.5	57.8	56.4	50.0	60.0	54.5	56.4	58.3	58.5	52.5	58.3
0735	54.1	55.5	51.0	61.6	63.5	55.5	53.4	53.0	54.5	50.5	49.5	54.3	54.2	52.0	55.5	52.0	54.2	57.3	60.0	51.0	51.5
0740	55.1	57.0	51.5	60.3	63.5	54.5	55.2	55.3	57.0	51.0	51.5	54.8	55.4	51.5	56.5	51.5	55.4	56.5	59.5	51.0	51.5
0745	55.1	56.5	51.5	59.2	61.5	55.0	55.5	56.6	58.5	53.5	53.5	55.4	56.1	52.0	57.0	52.0	55.5	55.3	56.6	52.5	52.0
0750	54.3	55.5	50.0	59.0	61.5	55.0	54.6	52.8	56.5	51.0	51.0	56.0	55.4	52.5	58.0	52.5	55.4	56.3	59.0	51.5	51.5
0755	55.5	57.5	51.0	59.5	61.5	55.5	55.2	54.6	56.0	50.5	49.5	54.7	54.6	51.5	60.5	51.5	54.0	54.7	57.0	49.5	49.5
0800	54.6	56.5	51.5	59.0	61.5	55.5	56.9	55.3	59.5	52.0	50.5	58.3	58.5	50.5	62.5	50.5	58.5	54.7	57.5	50.0	50.0
0805	57.6	60.0	51.0	56.4	58.0	54.0	55.6	55.2	57.5	50.0	50.0	53.5	53.2	51.0	55.0	51.0	53.2	54.7	54.0	48.0	48.0
0810	56.4	58.5	50.0	58.1	60.0	55.0	54.0	53.7	56.0	49.0	49.0	54.6	56.7	52.0	57.5	49.0	55.0	57.0	58.0	49.5	49.5
0815	55.0	56.5	51.5	57.8	59.0	55.5	54.8	55.4	56.5	51.5	51.5	59.2	53.7	52.0	62.0	52.0	53.7	56.8	59.0	52.0	52.0
0820	53.7	55.0	49.5	57.9	59.5	55.5	55.8	54.5	57.5	52.0	49.5	56.4	55.8	51.5	59.5	51.5	55.8	54.9	57.0	51.0	51.0
0825	56.4	58.5	53.0	61.3	65.0	56.5	54.5	55.6	56.0	51.0	50.0	55.6	55.5	51.5	58.0	51.5	55.5	53.4	55.0	49.5	49.5
0830	56.8	59.5	51.5	60.0	63.0	55.5	53.8	54.5	57.0	50.0	50.0	55.1	53.8	51.0	57.0	51.0	53.8	54.4	56.0	51.5	51.5
0835	56.3	59.5	50.5	56.6	63.0	54.0	52.4	53.7	54.0	48.5	48.5	53.4	53.5	49.5	55.0	49.5	53.5	53.8	55.0	49.0	49.0
0840	56.4	58.0	50.5	59.4	62.0	55.0	59.5	55.5	64.5	50.0	50.0	56.8	56.6	52.5	59.0	52.5	56.6	56.6	60.0	50.5	49.5
0845	59.1	62.5	51.0	59.0	62.0	54.5	56.3	55.0	57.5	51.5	49.5	56.4	54.2	52.0	59.0	52.5	54.2	54.2	56.5	50.5	51.0
0850	56.9	58.0	52.0	61.2	61.5	55.0	55.6	52.2	57.0	52.5	52.5	54.1	54.1	51.0	57.0	52.0	54.1	54.3	56.0	51.0	51.0
0855	53.3	55.5	49.0	59.2	63.0	54.0	55.3	54.1	57.5	51.5	51.5	54.2	54.1	51.0	55.5	51.0	56.4	52.9	60.0	50.0	48.5
0900	56.4	59.5	50.5	56.0	57.5	54.0	55.5	55.1	57.0	51.0	50.0	57.6	56.6	51.0	60.5	51.0	55.6	53.1	57.0	51.5	53.1
0905	57.4	61.0	51.0	56.1	57.5	54.0	55.0	56.6	57.0	51.0	50.0	56.0	56.7	51.0	57.5	51.0	56.7	55.6	60.5	51.5	55.6
0910	59.9	62.0	51.0	55.7	57.0	53.0	53.8	54.7	56.0	50.0	50.5	55.7	56.7	51.5	57.5	51.5	54.6	58.1	60.0	51.5	58.1
0915	57.5	60.0	53.5	56.6	58.0	54.0	59.8	59.6	61.0	50.5	51.5	59.4	56.5	51.0	61.5	51.0	60.3	54.2	64.0	53.5	54.2
0920	63.5	61.0	52.0	57.7	59.0	54.5	57.6	55.1	61.5	51.5	51.5	55.0	55.0	50.5	58.0	50.5	57.5	54.5	60.0	52.5	54.5
0925	55.9	58.5	51.0	60.3	59.0	55.5	58.8	55.8	61.5	53.0	53.0	54.4	54.4	51.0	56.5	50.0	59.2	54.3	62.0	54.5	54.3
0930	58.4	61.0	53.0	57.1	58.5	54.0	59.5	55.9	63.5	51.5	50.0	54.9	54.9	51.5	56.5	51.5	62.7	69.7	65.0	56.5	69.7
0935	55.3	57.0	50.0	56.9	58.5	54.0	58.4	69.4	62.5	50.5	49.5	56.1	56.1	49.5	57.5	49.5	61.5	51.5	64.0	56.5	51.5
0940	58.8	62.5	51.5	59.2	61.0	56.0	56.6	55.6	58.0	50.0	50.0	55.6	55.6	51.0	57.5	51.0	62.4	53.5	65.0	56.0	48.5
0945	58.0	62.5	50.0	64.5	59.0	54.0	64.5	59.6	56.5	49.5	49.5	55.2	55.2	51.0	57.5	51.0	57.4	58.2	59.0	54.5	51.0
0950	55.0	56.5	51.0	61.9	59.0	55.5	53.4	55.1	55.0	50.5	51.0	55.9	55.9	51.0	58.0	51.0	57.2	57.5	58.5	54.5	50.0
0955	56.1	57.5	51.5	58.6	61.0	54.5	55.5	57.5	57.5	51.0	49.0	55.8	55.8	51.5	57.5	51.5	72.6	58.2	65.0	53.5	58.2
1000	55.6	58.0	51.0	58.8	61.5	54.5	56.6	55.3	59.5	50.5	50.5	54.8	54.8	50.0	57.0	50.0	59.7	57.8	60.0	53.0	51.0
1005	60.9	62.5	52.0	58.1	60.0	55.5	53.7	55.7	55.5	49.0	50.5	69.1	69.1	50.0	56.5	50.0	57.5	53.2	54.0	49.0	49.0
1010	56.1	57.5	51.0	60.9	63.0	55.5	57.0	55.1	57.0	51.5	51.5	58.6	58.1	51.5	60.5	51.5	58.1	59.5	61.0	54.0	50.5
1015	56.1	57.0	51.5	58.4	60.5	55.0	60.9	55.9	62.5	53.0	53.0	59.1	61.7	51.5	59.5	51.5	61.7	56.4	65.0	55.5	56.4
1020	57.3	60.5	51.5	60.8	64.0	55.0	56.4	57.1	60.5	49.5	51.0	58.8	58.9	51.5	59.0	51.5	58.9	54.2	62.0	54.5	54.2
1025	58.1	61.0	50.0	58.1	60.0	54.0	54.9	57.1	64.0	48.5	48.5	55.6	55.6	52.0	57.5	52.0	59.7	53.8	62.5	55.0	53.8
1030	53.0	54.5	49.5	58.1	61.0	52.0	57.3	54.3	59.5	50.5	50.5	55.2	55.2	52.0	56.5	52.0	58.3	56.7	60.5	54.5	56.7
1035	54.3	55.0	50.0	58.2	60.5	54.5	55.0	56.1	56.5	49.5	50.0	57.9	57.9	51.0	57.5	51.0	59.1	52.3	62.0	55.5	52.3
1040	54.3	56.0	51.0	59.7	62.5	55.5	56.2	54.6	58.5	50.5	50.5	54.6	54.6	51.0	55.5	51.0	58.5	53.1	61.0	55.5	53.1
1045	55.0	56.0	52.5	60.7	64.0	55.0	58.3	58.3	61.0	53.5	51.0	53.8	53.8	50.5	55.5	50.5	57.8	54.8	59.5	55.0	54.8
1050	53.6	55.0	50.5	58.2	60.0	54.0	60.7	56.7	63.5	55.0	50.0	54.0	54.0	51.0	55.5	51.0	58.6	52.9	61.0	54.5	52.9
1055	53.8	55.5	50.5	56.9	59.0	53.0	59.7	54.5	62.5	54.5	49.0	54.4	54.4	52.0	55.5	52.0	58.2	52.1	60.0	54.0	52.1
1100	54.9	57.5	51.0	55.5	57.5	52.5	60.9	57.6	64.0	52.5	52.5	53.7	53.7	50.0	55.5	50.5	56.8	53.5	58.0	55.0	50.0
1105	54.4	56.5	50.0	55.3	56.5	52.5	58.3	54.7	61.0	53.5	49.0	53.2	53.2	50.0	55.0	49.5	56.7	52.9	60.0	53.5	53.5
1110	59.7	61.5	53.5	59.7	62.0	52.5	61.1	52.8	62.0	48.5	48.5	56.5	56.7	49.5	58.5	52.5	60.3	52.9	58.5	53.5	52.9
1115	54.4	55.5	51.5	57.5	59.0	54.0	61.1	54.3	63.5	50.0	49.5	57.9	57.9	50.5	58.0	50.5	61.4	55.3	64.0	54.5	50.5
1120	53.7	55.0	50.5	55.5	56.5	52.5	55.0	53.5	54.5	49.0	49.0	55.1	55.1	51.0	56.5	51.0	58.3	52.3	61.0	54.0	48.5
1125	54.4	55.5	50.5	55.4	57.5	52.0	56.7	53.2	60.0	52.0	52.5	57.8	57.8	50.0	57.5	52.5	57.8	53.4	60.5	54.0	49.0
1130	56.4	58.5	49.5	57.3	57.5	52.0	54.1	56.6	64.0	50.0	49.5	54.1	54.1	50.0	56.0	50.5	56.8	53.5	58.0	55.0	50.0
1135	53.7	56.5	48.5	58.0	60.5	53.0	56.4	54.7	58.5	50.5	50.5	53.9	53.9	48.5	55.5	48.5	59.2	52.0	61.0	55.0	52.0
1140	53.0	54.5	49.0	55.7	57.0	52.0	55.4	52.4	58.0	50.0	52.6	52.6	52.6	50.0	54.5	48.0	57.1	52.1	57.5	54.5	48.0
1145	58.8	58.0	51.0	56.2	57.5	53.0	55.0	59.2	56.1	52.5	52.5	53.6	53.6	49.0	55.0	49.0	58.2	53.1	60.5	55.0	53.1
1150	54.5	54.0	49.0	54.6	56.0	51.5	59.5	54.4	60.0	51.0	51.0	53.0	53.0	49.0							

Baseline Data for Normal Daytime 0700-1900

Date	18-Jan-2014			20-Jan-2014			21-Jan-2014			22-Jan-2014			23-Jan-2014			24-Jan-2014			25-Jan-2014					
	Time	Leq5min	L10(5min)	L90(5min)	Leq5min	L10(5min)	L90(5min)	Leq5min	L10(5min)	L90(5min)	Leq5min	L10(5min)	L90(5min)	Leq5min	L10(5min)	L90(5min)	Leq5min	L10(5min)	L90(5min)	Leq5min	L10(5min)	L90(5min)		
13:00	57.2	59.5	51.0	54.2	55.5	50.5	56.7	52.8	57.0	49.0	54.5	49.0	59.7	59.6	53.3	62.5	53.3	63.0	55.0	55.6	55.6	56.5	47.5	
13:05	52.1	53.5	48.5	56.6	56.5	50.5	58.9	56.4	62.0	53.0	57.0	47.5	58.3	58.3	51.5	58.5	52.4	58.5	58.5	52.4	58.5	52.4	58.5	48.0
13:10	52.7	58.8	50.0	55.8	58.0	51.0	64.2	52.8	68.5	55.5	55.5	47.5	64.6	64.6	51.5	60.0	59.0	60.0	58.0	59.0	59.0	54.9	50.5	
13:15	55.0	56.5	51.5	56.8	57.5	53.0	54.4	58.6	56.5	51.0	59.0	49.5	65.8	65.8	56.0	69.5	56.0	60.5	57.5	52.2	52.2	53.5	47.5	
13:20	54.6	56.0	50.0	57.0	58.5	53.5	54.3	52.8	56.0	51.5	54.0	49.5	65.5	60.1	56.0	69.5	56.0	60.5	59.0	52.1	52.1	53.5	48.0	
13:25	56.1	59.0	52.0	60.6	59.0	53.0	54.8	52.8	54.5	49.0	54.5	49.5	66.1	66.1	56.0	70.0	55.5	60.2	59.5	52.7	52.7	54.0	49.0	
13:30	58.9	61.5	52.0	58.1	60.5	53.5	56.9	56.0	56.5	52.0	54.0	47.0	63.7	60.3	53.0	67.0	53.5	60.3	59.5	52.5	52.5	54.0	49.0	
13:35	52.8	54.0	49.0	58.4	59.5	54.0	53.5	52.3	54.5	51.0	52.5	48.0	61.9	61.3	53.0	66.0	53.0	61.3	59.5	61.0	61.0	65.5	49.0	
13:40	55.3	57.0	51.5	58.4	58.5	54.0	53.6	53.1	55.0	49.5	55.0	49.0	53.3	59.3	55.5	60.0	58.5	60.0	58.5	53.9	57.5	55.0	48.0	
13:45	54.3	56.0	51.0	57.0	58.5	53.5	54.8	54.0	57.0	51.0	56.0	50.5	54.1	54.1	56.0	56.0	51.0	59.8	60.5	60.8	57.5	54.0	51.5	
13:50	52.5	53.5	49.0	58.7	61.0	55.0	54.1	57.1	55.5	51.5	60.5	50.0	59.8	59.8	56.0	60.0	59.0	53.8	60.0	59.0	53.8	54.0	48.5	
13:55	52.4	53.5	48.0	56.2	56.5	52.0	56.3	52.4	59.5	51.5	54.0	49.0	56.0	56.0	59.5	51.5	60.6	60.2	59.5	53.4	53.4	53.5	48.0	
14:00	53.6	56.5	50.5	55.4	56.5	52.0	54.3	53.3	56.0	51.0	54.5	48.5	52.4	60.1	54.0	48.5	60.1	60.1	59.0	52.1	52.1	53.5	48.0	
14:05	54.2	55.0	50.0	54.6	55.5	50.0	53.7	52.8	55.0	51.0	54.5	48.0	54.1	54.1	56.0	56.0	50.0	60.2	61.0	59.0	54.1	57.5	48.0	
14:10	59.4	60.5	51.5	58.7	61.0	51.5	59.5	58.5	60.0	48.5	60.0	48.5	58.8	61.7	59.0	62.5	59.0	54.1	62.5	59.0	54.1	54.0	47.5	
14:15	54.9	56.5	52.0	57.5	59.0	52.5	56.2	54.0	58.0	52.0	55.5	49.0	56.0	60.4	58.0	52.5	60.4	60.4	61.0	57.5	57.3	54.4	47.5	
14:20	54.4	57.0	49.5	56.7	58.0	51.5	54.1	52.2	55.5	51.5	53.5	48.5	54.0	58.8	56.0	50.0	58.8	60.0	60.0	57.5	52.8	54.0	49.0	
14:25	52.6	54.0	48.5	54.9	56.0	51.5	56.6	57.0	57.5	52.5	58.5	50.5	55.8	58.5	57.0	53.5	58.5	59.5	59.5	56.5	54.1	55.0	49.0	
14:30	56.4	56.0	50.5	57.2	58.5	53.5	55.5	52.0	56.5	52.0	60.5	50.5	56.0	58.1	56.0	52.0	58.1	58.1	59.0	56.5	52.6	53.5	48.0	
14:35	54.1	57.0	50.0	57.7	60.0	53.0	53.6	52.4	55.0	51.0	54.0	48.5	56.2	57.7	56.5	56.0	52.6	57.7	58.5	56.0	52.6	55.5	48.5	
14:40	55.2	58.5	50.0	53.6	55.0	50.0	59.7	51.8	63.0	51.5	53.0	47.5	53.7	58.7	55.5	50.5	58.7	60.0	60.0	57.0	51.7	53.0	47.5	
14:45	54.2	56.5	50.5	58.7	59.0	51.0	56.9	53.4	60.0	52.0	60.0	49.0	58.7	62.5	62.0	52.0	62.5	64.0	64.0	60.0	53.2	53.0	49.0	
14:50	58.8	58.0	50.0	55.0	56.5	52.0	58.0	52.0	58.5	52.0	60.0	50.0	60.8	62.5	64.5	52.5	62.5	64.5	64.5	60.0	55.2	58.0	49.5	
14:55	54.7	56.5	50.5	53.8	55.0	51.0	55.3	52.4	57.0	52.0	53.5	48.0	54.9	61.7	57.0	51.5	61.7	63.5	63.5	59.5	52.3	53.5	48.0	
15:00	55.7	54.0	49.0	54.7	57.0	50.5	56.3	52.2	56.5	50.5	54.5	48.0	54.5	58.8	56.5	51.0	64.1	66.0	66.0	59.0	58.2	58.5	49.0	
15:05	54.9	56.5	50.5	57.8	59.5	52.0	58.1	55.8	60.0	51.5	55.8	48.5	53.8	59.6	55.0	49.0	59.6	62.5	62.5	56.5	53.5	55.0	50.0	
15:10	54.8	56.5	51.0	53.6	55.0	50.0	63.1	52.1	66.5	55.0	59.0	52.5	57.4	58.2	59.0	49.5	58.2	59.0	59.0	56.5	52.3	53.5	48.0	
15:15	54.0	56.0	50.0	56.6	58.0	53.0	56.7	52.7	60.7	48.0	54.5	49.0	57.5	59.6	56.5	52.5	59.6	60.7	60.7	57.0	53.1	56.1	50.5	
15:20	52.7	54.0	49.5	54.9	56.5	52.0	57.2	52.6	54.0	48.5	54.0	48.5	55.1	59.6	57.0	51.5	59.6	62.0	62.0	57.0	53.7	58.5	49.0	
15:25	53.6	55.5	49.5	55.2	57.0	51.5	64.6	52.5	68.5	52.0	54.0	48.5	55.3	58.8	57.5	51.5	60.0	60.5	60.5	58.5	58.0	62.0	50.5	
15:30	54.2	56.0	51.0	53.5	55.0	50.5	54.8	52.7	56.5	51.0	54.0	48.5	56.4	62.6	58.5	52.0	62.6	65.5	65.5	60.0	56.4	59.0	50.5	
15:35	52.7	54.0	49.0	54.6	56.5	50.5	54.3	53.2	55.5	52.0	55.5	49.5	56.9	63.7	58.5	52.5	63.7	66.5	66.5	60.5	59.4	64.0	49.0	
15:40	53.7	55.5	49.5	56.4	59.0	51.5	56.2	53.7	60.0	50.5	56.0	50.0	63.7	65.0	66.5	55.5	65.0	66.5	61.0	52.5	53.5	53.5	47.5	
15:45	54.0	55.0	51.0	54.8	56.0	50.5	59.6	53.5	61.0	52.5	55.5	49.5	56.2	64.9	58.0	52.5	65.4	66.5	63.5	52.5	56.4	55.5	49.0	
15:50	53.7	56.0	50.0	55.1	56.0	51.0	53.6	52.3	55.0	50.5	54.0	48.0	54.9	67.1	56.0	50.5	67.1	68.5	60.5	58.2	62.5	49.0		
15:55	58.9	59.0	50.5	58.8	61.0	50.0	52.8	59.1	54.5	49.5	60.0	48.0	58.8	61.4	58.0	51.5	61.4	62.0	62.0	60.5	53.0	53.5	47.5	
16:00	53.2	54.5	49.0	55.1	56.0	51.0	53.3	53.3	55.5	49.5	55.0	49.5	54.3	61.2	55.5	50.0	61.2	62.0	62.0	59.0	54.6	55.5	49.0	
16:05	54.3	56.0	50.5	53.5	54.0	49.5	55.7	52.4	54.5	48.5	54.0	48.5	57.0	60.8	59.5	49.5	60.8	63.0	63.0	58.0	52.6	54.0	48.5	
16:10	57.1	58.0	50.5	56.5	57.5	49.5	53.5	56.0	55.5	48.0	56.5	48.5	56.5	59.3	57.5	49.5	59.3	60.0	60.0	57.5	52.2	53.5	48.0	
16:15	53.5	55.0	50.0	56.1	57.5	51.0	52.8	52.0	53.5	48.0	53.5	48.0	54.1	56.0	55.5	50.5	59.3	59.9	60.5	58.5	53.2	55.5	48.5	
16:20	53.3	54.5	50.5	53.5	55.0	50.5	54.4	54.3	56.5	51.0	56.0	50.5	58.3	58.8	60.0	50.5	58.3	59.0	59.0	57.0	53.0	55.0	49.0	
16:25	54.7	57.0	50.5	59.3	63.0	50.0	54.2	52.4	55.0	50.5	54.0	49.0	53.6	61.3	54.5	49.5	58.4	58.5	58.0	51.0	52.3	53.5	47.5	
16:30	59.6	59.0	50.5	54.1	55.0	49.5	54.7	53.0	57.0	51.0	54.5	49.5	52.8	61.3	54.0	49.5	61.3	64.5	64.5	51.0	52.6	54.0	49.0	
16:35	53.7	55.0	51.0	53.4	55.0	50.0	52.7	52.6	54.0	49.5	54.0	49.5	56.6	62.5	57.5	49.5	62.5	66.5	65.0	52.9	54.0	48.5		
16:40	55.4	57.0	51.0	56.5	57.5	49.5	52.7	52.4	54.0	48.5	54.0	48.5	52.8	64.2	54.0	48.5	64.2	68.0	68.0	56.5	59.2	60.0	50.0	
16:45	55.5	58.0	52.0	58.8	57.5	50.0	55.1	58.2	61.0	51.5	59.0	50.0	59.3	63.1	61.5	49.5	63.1	65.0	65.0	56.5	53.5	55.0	50.0	
16:50	57.5	58.5	53.0	53.4	55.5	49.5	53.8	54.3	55.5	50.0	57.0	50.0	52.3	61.1	53.5	48.5	61.1	65.0	65.0	53.0	57.1	56.5	49.5	
16:55	54.0	55.5	51.0	52.9	54.5	49.5	53.7	53.3	55.5	50.5	54.5	49.0	54.1	54.1	56.0	51.0	64.1	65.0	65.0	54.5	51.9			

Baseline D

Date Time	27-Jan-2014			28-Jan-2014			29-Jan-2014			30-Jan-2014		
	L _{eq} 5min [L ₁₀ 5min] [L ₉₀ 5min]	L _{eq} 5min [L ₁₀ 5min] [L ₉₀ 5min]	L _{eq} 5min [L ₁₀ 5min] [L ₉₀ 5min]	L _{eq} 5min [L ₁₀ 5min] [L ₉₀ 5min]	L _{eq} 5min [L ₁₀ 5min] [L ₉₀ 5min]	L _{eq} 5min [L ₁₀ 5min] [L ₉₀ 5min]	L _{eq} 5min [L ₁₀ 5min] [L ₉₀ 5min]	L _{eq} 5min [L ₁₀ 5min] [L ₉₀ 5min]	L _{eq} 5min [L ₁₀ 5min] [L ₉₀ 5min]	L _{eq} 5min [L ₁₀ 5min] [L ₉₀ 5min]	L _{eq} 5min [L ₁₀ 5min] [L ₉₀ 5min]	L _{eq} 5min [L ₁₀ 5min] [L ₉₀ 5min]
07:00	51.6	53.0	47.0	51.9	53.0	38.0	53.4	57.0	44.5	50.8	55.0	44.0
07:05	51.6	53.0	47.0	52.9	56.5	41.0	52.7	56.0	46.5	52.4	54.5	46.0
07:10	55.2	58.0	49.0	52.6	56.0	45.5	52.1	54.0	48.0	51.5	54.0	45.0
07:15	53.7	56.5	48.0	55.5	57.5	44.0	54.7	58.0	47.5	52.1	55.0	46.0
07:20	53.5	55.5	50.0	54.5	59.0	45.5	51.6	55.0	45.5	53.2	56.5	47.0
07:25	54.8	57.0	51.0	51.9	57.0	46.0	52.3	55.5	46.0	54.6	57.5	47.5
07:30	55.3	57.5	51.5	58.8	62.5	50.0	55.3	56.5	45.0	55.1	58.0	49.5
07:35	53.7	52.0	50.0	53.8	56.0	46.5	53.7	57.5	47.0	53.2	56.0	47.5
07:40	53.8	55.5	50.5	55.9	57.0	47.0	52.3	55.5	44.5	57.0	60.5	48.5
07:45	52.5	54.0	48.5	54.4	58.0	48.0	54.2	57.5	47.5	57.0	59.0	49.5
07:50	54.0	56.0	50.0	55.9	59.5	47.5	55.6	59.5	45.5	57.0	60.0	49.5
07:55	53.2	55.0	49.0	53.8	57.5	43.5	53.5	57.0	44.5	52.6	56.0	46.5
08:00	55.6	59.0	50.5	51.9	56.0	44.0	55.3	59.5	44.5	57.5	61.5	47.5
08:05	53.9	55.5	50.0	57.2	61.0	47.0	54.7	59.0	46.5	71.2	62.5	46.5
08:10	54.3	56.5	51.0	54.4	58.0	47.0	49.3	51.5	42.5	53.1	58.5	44.5
08:15	54.0	58.5	50.0	55.8	58.5	48.0	55.6	56.5	47.0	54.8	58.5	46.0
08:20	52.8	54.0	49.5	55.4	58.5	49.5	55.8	59.0	49.5	53.2	56.5	47.0
08:25	56.7	59.5	52.0	57.4	61.0	49.0	54.1	57.0	48.5	55.9	60.0	46.5
08:30	56.3	59.0	51.5	56.2	60.0	48.5	52.3	55.0	47.0	56.8	60.5	49.5
08:35	56.2	58.5	52.0	55.6	59.0	48.5	59.9	63.0	49.0	55.6	59.0	49.5
08:40	58.6	62.0	52.0	55.5	59.0	47.0	55.2	58.5	48.5	51.8	55.5	44.5
08:45	56.5	59.0	52.0	55.3	59.0	48.0	54.5	58.0	47.5	53.7	57.0	45.0
08:50	54.8	57.0	50.5	55.4	58.0	49.5	57.6	61.0	49.5	55.0	58.0	47.5
08:55	54.1	55.5	49.5	56.5	60.0	50.0	54.2	57.5	48.5	54.8	58.0	48.0
09:00	52.9	54.5	49.0	54.5	57.5	48.5	55.6	56.5	49.0	53.4	57.0	45.5
09:05	54.2	55.5	50.0	55.6	56.5	48.5	52.9	56.0	46.5	50.1	53.0	44.0
09:10	59.7	61.5	51.5	55.7	59.0	48.5	58.8	60.5	48.5	58.1	59.5	45.5
09:15	60.9	62.5	57.0	56.7	60.0	49.0	55.6	58.0	45.5	58.2	61.0	47.0
09:20	63.4	65.0	61.0	57.6	60.0	52.5	55.6	56.5	47.0	54.8	58.0	46.5
09:25	64.9	66.5	63.0	54.8	58.5	47.0	58.3	57.5	47.5	53.5	57.5	46.0
09:30	64.9	66.5	62.0	55.0	58.0	49.0	55.4	56.0	47.0	57.7	61.5	45.5
09:35	66.1	66.5	65.0	58.7	63.0	48.5	55.3	56.5	46.0	56.9	59.5	47.0
09:40	65.5	66.0	64.5	57.8	60.5	48.0	54.8	58.0	47.0	58.4	62.5	53.5
09:45	59.8	60.5	58.5	55.1	58.5	47.5	55.9	59.5	46.5	59.2	63.0	53.0
09:50	59.8	60.5	58.5	56.7	58.0	47.0	55.8	59.0	50.5	58.6	60.0	52.0
09:55	62.0	64.0	58.0	54.9	58.5	47.0	54.9	58.5	48.0	56.6	60.5	47.5
10:00	63.8	67.5	58.5	54.7	58.0	46.5	55.6	58.5	48.5	58.6	61.0	45.0
10:05	63.8	66.5	59.0	52.7	55.5	47.0	55.1	58.5	48.5	59.6	62.0	54.0
10:10	65.7	69.5	59.5	59.4	63.0	49.5	58.7	61.0	48.0	61.1	65.5	46.5
10:15	65.0	67.5	59.5	56.2	60.0	48.5	55.2	57.5	50.5	56.1	58.5	50.5
10:20	64.2	67.0	60.0	55.4	58.0	50.0	58.6	62.0	51.0	58.4	62.5	46.5
10:25	64.7	67.5	60.0	55.0	57.5	49.0	54.4	57.5	47.0	55.4	59.5	45.5
10:30	63.9	67.5	58.5	56.9	60.0	48.5	54.9	56.0	46.5	57.3	60.0	46.5
10:35	63.1	66.0	57.5	56.7	59.5	48.0	48.6	50.5	44.5	51.4	54.5	44.0
10:40	60.3	61.5	58.5	53.0	57.0	46.0	57.8	60.0	44.5	55.2	58.5	46.0
10:45	61.9	63.0	60.0	57.5	61.0	49.5	55.2	56.0	47.0	56.8	59.0	47.5
10:50	65.1	67.5	61.0	55.9	59.5	45.0	49.5	52.0	45.0	52.2	53.5	47.0
10:55	64.4	66.5	61.5	54.0	57.0	45.5	50.1	53.5	45.5	51.1	54.5	45.5
11:00	61.1	62.0	59.0	55.4	57.5	47.5	51.4	53.5	47.0	53.8	56.0	46.0
11:05	61.8	63.0	58.5	51.7	55.0	46.0	54.8	53.5	46.5	52.3	55.0	42.5
11:10	62.3	64.0	57.0	53.1	56.0	48.5	59.9	64.5	46.5	56.9	57.5	40.0
11:15	59.6	60.5	58.0	52.1	54.5	47.5	52.3	55.0	46.5	52.0	54.5	44.5
11:20	60.9	64.0	57.5	55.4	58.5	47.5	52.9	55.5	47.5	51.2	51.5	43.0
11:25	63.1	67.0	56.5	51.6	56.0	44.5	48.8	51.0	44.0	48.5	51.5	42.0
11:30	59.7	61.5	56.5	50.8	53.5	44.5	50.0	52.5	46.0	55.8	57.5	45.5
11:35	59.8	60.0	56.5	54.3	55.0	43.5	55.4	56.0	48.5	48.1	51.0	43.0
11:40	60.9	62.5	56.5	57.1	59.5	44.0	50.0	52.0	46.5	55.9	59.0	43.0
11:45	57.8	59.5	53.0	54.0	57.5	48.5	58.3	57.0	47.0	54.6	57.5	47.0
11:50	54.0	56.0	50.0	51.3	53.0	48.0	54.3	57.0	48.5	54.6	57.0	47.5
11:55	54.0	54.5	49.0	51.3	54.5	46.5	50.9	53.5	46.0	50.4	53.0	41.5
12:00	56.0	55.0	48.5	54.7	57.0	44.5	49.5	52.5	44.5	54.0	53.0	40.0
12:05	53.7	55.5	48.5	50.3	54.0	42.5	50.5	58.0	44.5	52.3	57.0	42.0
12:10	59.5	59.0	47.5	50.4	52.0	45.0	58.1	60.5	45.5	58.3	60.5	41.5
12:15	53.3	54.5	49.0	50.8	53.5	46.5	51.9	54.5	47.0	54.5	57.0	46.0
12:20	54.2	56.5	49.0	52.2	56.0	45.5	49.3	51.0	46.0	48.5	52.0	42.0
12:25	60.3	62.0	56.5	50.6	50.5	44.5	50.2	52.5	46.0	50.5	55.0	41.5
12:30	62.9	66.0	60.0	55.4	58.0	43.5	55.4	58.0	43.5	55.0	58.0	41.5
12:35	56.9	60.0	46.5	48.0	50.5	44.0	50.0	50.5	45.0	48.1	52.0	40.5
12:40	56.0	58.0	45.5	55.8	56.0	44.5	57.2	58.0	47.0	49.3	53.0	42.5
12:45	53.3	57.0	46.5	50.9	53.5	46.5	58.0	60.5	42.5	53.7	56.5	43.5
12:50	50.7	53.0	45.5	55.9	53.0	48.5	51.8	60.0	46.5	49.9	55.0	44.5
12:55	49.6	52.5	42.5	55.1	56.5	46.0	49.5	52.0	43.0	47.2	50.5	42.0

Baseline D

Date	27-Jan-2014			28-Jan-2014			29-Jan-2014			30-Jan-2014		
	L _{eq} 5min	L ₁₀ 5min	L ₉₀ 5min	L _{eq} 5min	L ₁₀ 5min	L ₉₀ 5min	L _{eq} 5min	L ₁₀ 5min	L ₉₀ 5min	L _{eq} 5min	L ₁₀ 5min	L ₉₀ 5min
13:00	50.1	53.5	42.5	49.1	51.5	44.5	49.4	51.0	44.0	50.4	53.5	41.5
13:05	51.4	55.0	43.5	54.5	58.5	43.0	47.2	49.5	42.0	47.4	49.5	40.5
13:10	46.8	48.5	43.0	58.7	60.0	47.0	45.5	47.0	42.0	56.6	56.0	42.5
13:15	57.4	58.0	43.5	49.9	51.5	47.0	57.5	58.0	43.5	48.9	51.8	43.0
13:20	50.2	53.0	44.5	55.2	56.5	48.5	47.5	49.5	43.5	46.4	48.5	41.5
13:25	46.9	49.0	43.5	52.3	56.0	44.5	52.8	52.5	44.0	52.0	56.0	43.5
13:30	53.5	52.5	40.5	55.9	59.0	46.0	52.2	55.0	43.0	54.5	54.0	41.0
13:35	49.6	52.5	40.5	56.5	58.0	43.5	52.3	50.0	41.0	47.1	50.0	39.5
13:40	50.8	53.5	45.5	55.9	56.0	47.0	45.5	47.5	41.5	49.2	53.5	41.0
13:45	50.1	53.0	45.0	54.3	57.0	48.5	48.4	51.5	43.0	46.9	49.8	41.5
13:50	49.3	52.0	43.5	50.7	53.0	47.0	49.0	51.5	44.5	48.0	50.5	42.0
13:55	49.5	51.5	44.0	53.9	57.0	47.0	56.5	61.5	43.0	46.1	49.0	41.0
14:00	50.4	53.0	44.5	55.0	55.0	48.0	48.9	51.0	45.5	47.3	50.0	41.5
14:05	59.8	62.0	46.5	58.9	63.0	45.0	54.5	57.0	45.5	48.1	51.0	39.0
14:10	49.7	53.5	40.5	50.0	53.0	44.5	59.3	59.0	51.5	56.8	58.0	43.0
14:15	53.1	56.0	48.0	57.7	60.0	52.0	55.3	57.0	57.8	57.8	53.5	47.5
14:20	53.5	57.5	46.5	54.6	57.5	48.5	55.1	57.5	52.5	48.9	51.5	44.0
14:25	52.9	56.5	46.5	55.3	58.5	48.0	54.5	55.5	46.5	48.9	50.5	43.5
14:30	55.4	58.0	46.0	51.3	55.0	45.0	55.1	57.5	45.0	51.9	52.0	40.5
14:35	56.7	59.0	45.0	54.0	57.0	47.5	47.1	49.5	42.5	47.2	50.5	40.5
14:40	51.2	54.0	43.0	58.7	60.5	49.5	57.3	58.0	43.5	58.9	61.5	44.0
14:45	49.7	52.0	45.0	55.3	57.0	51.5	52.3	55.0	45.0	55.5	59.0	47.5
14:50	52.2	56.0	46.0	58.5	61.0	47.0	50.7	53.0	46.0	51.3	54.0	47.5
14:55	52.9	56.0	44.0	57.3	58.5	47.5	53.1	53.0	45.5	53.1	57.0	45.5
15:00	54.3	55.5	43.5	55.7	58.5	44.5	47.6	50.5	43.0	55.4	58.0	44.5
15:05	53.4	57.5	46.0	51.2	55.5	46.0	55.8	57.5	46.5	49.0	51.5	44.5
15:10	48.9	52.5	41.5	60.4	65.0	48.0	52.4	55.5	46.0	48.8	52.0	43.5
15:15	54.1	53.5	42.5	53.8	57.0	49.0	55.0	56.0	53.0	52.9	55.5	45.5
15:20	50.5	51.5	44.0	52.9	56.0	49.0	55.7	56.5	52.5	49.8	52.0	45.5
15:25	51.3	54.5	43.5	52.0	54.0	46.5	55.6	55.5	44.5	53.9	56.0	47.5
15:30	47.9	50.0	42.5	51.2	53.5	46.0	50.7	53.5	46.0	55.1	60.0	43.5
15:35	49.2	50.5	43.0	52.3	56.5	45.0	48.7	51.5	42.5	53.0	57.0	43.5
15:40	58.4	60.0	45.0	56.5	58.5	45.0	52.9	57.5	41.5	54.9	59.0	44.0
15:45	53.9	57.5	46.5	55.7	58.5	48.5	57.9	59.5	42.5	51.0	54.0	44.5
15:50	52.1	55.0	46.5	55.7	58.5	49.0	50.4	53.0	44.5	57.7	59.0	43.5
15:55	55.3	57.0	45.0	55.0	57.5	49.0	51.1	53.5	47.5	48.0	50.5	42.0
16:00	50.6	53.5	44.5	56.5	59.0	47.5	51.6	55.0	44.5	51.4	56.0	41.0
16:05	51.5	53.5	43.5	50.4	53.5	44.0	56.3	58.0	53.5	55.3	58.0	44.0
16:10	51.8	55.5	44.0	51.6	54.5	42.0	56.2	57.0	54.0	54.3	57.5	46.5
16:15	51.5	54.5	45.0	53.6	56.0	48.5	58.7	62.5	45.0	55.2	59.0	47.5
16:20	53.0	57.5	47.5	52.2	54.5	47.0	56.7	61.0	47.5	56.2	60.0	46.0
16:25	53.9	55.5	47.5	58.0	59.0	47.0	54.3	57.0	47.5	57.0	61.0	45.5
16:30	54.4	57.5	47.5	54.3	58.0	46.5	55.0	55.0	46.0	52.2	56.0	45.0
16:35	54.6	57.5	47.5	52.5	55.5	46.0	54.5	55.5	44.0	52.9	57.5	45.0
16:40	58.5	60.0	47.0	56.1	58.5	47.0	57.4	61.5	43.0	54.7	58.0	48.0
16:45	53.2	55.5	44.5	54.8	57.0	49.5	51.6	56.0	42.0	54.5	58.0	47.5
16:50	53.4	56.5	46.0	51.9	55.5	46.0	51.2	55.5	46.5	52.8	55.5	49.0
16:55	52.8	55.5	47.0	54.4	57.5	48.5	50.0	53.5	45.0	52.6	55.0	48.0
17:00	57.5	59.5	46.0	53.4	57.0	45.0	49.0	60.5	44.5	55.4	57.5	45.5
17:05	51.2	54.0	46.0	55.6	58.0	46.0	54.6	56.5	43.5	58.1	62.5	46.5
17:10	53.6	57.0	46.0	57.6	59.0	45.5	54.1	57.5	43.5	53.8	57.0	46.0
17:15	52.1	55.0	45.0	56.4	59.5	50.0	47.6	50.5	42.0	59.3	59.0	49.0
17:20	54.0	57.0	48.0	55.0	56.0	48.0	50.3	53.5	45.5	52.5	55.5	45.5
17:25	51.1	54.0	45.5	54.3	54.0	48.5	58.7	62.5	45.0	51.5	54.5	44.0
17:30	52.2	56.0	44.0	50.5	53.0	46.0	56.7	60.5	44.5	55.4	57.5	45.5
17:35	49.5	51.5	43.5	52.9	56.0	47.5	48.2	50.5	42.0	59.9	63.0	45.0
17:40	58.0	59.5	45.5	54.8	58.0	49.0	55.2	57.0	43.0	51.8	54.5	44.0
17:45	53.9	58.5	43.5	51.6	55.0	44.5	52.9	56.5	41.0	56.4	59.5	49.5
17:50	49.3	52.5	43.5	52.3	55.5	44.5	52.0	49.0	44.0	52.1	55.0	46.0
17:55	48.2	51.5	42.0	57.2	60.5	47.0	48.4	48.5	42.0	48.4	53.5	38.5
18:00	55.8	60.0	38.5	50.1	53.5	42.5	47.1	49.5	41.5	53.6	50.5	41.0
18:05	50.4	53.5	39.5	46.7	49.5	42.0	52.6	53.5	38.5	51.5	57.0	41.5
18:10	51.3	51.5	42.5	47.1	51.5	40.5	43.8	46.5	38.5	49.4	53.0	44.5
18:15	57.9	58.5	43.0	59.0	58.5	47.0	45.8	49.0	41.0	53.6	56.5	48.0
18:20	56.4	60.0	45.0	49.6	53.0	44.5	47.6	51.0	40.5	52.6	56.5	43.5
18:25	50.6	52.5	42.0	48.4	51.0	43.5	48.6	49.5	41.0	50.3	53.5	44.5
18:30	57.7	61.5	46.5	54.8	56.5	46.0	51.2	46.5	39.5	48.8	57.0	44.0
18:35	54.1	45.5	37.0	47.1	49.5	42.5	44.1	46.5	42.0	54.3	52.0	43.0
18:40	56.2	60.5	41.5	50.1	50.5	42.0	52.7	52.5	39.0	49.4	53.5	42.0
18:45	55.8	59.5	45.0	51.5	55.0	41.0	46.1	49.0	38.5	54.2	57.5	46.0
18:50	46.9	49.5	41.0	47.4	50.0	43.0	48.7	49.5	41.5	52.1	54.0	45.5
18:55	46.7	50.5	39.5	50.8	54.5	44.5	47.0	50.0	41.5	44.6	47.0	40.5

Restricted Hours 1900-2300

Baseline Noise Monitoring Results of NI
Baseline Data for Restricted Hours 1900-2300

Date	18-Jan-2014			19-Jan-2014			20-Jan-2014			21-Jan-2014			22-Jan-2014		
	Leq5min	LAeq15min	L10(5mins)	Leq5min	LAeq15min	L10(5mins)	Leq5min	LAeq15min	L10(5mins)	Leq5min	LAeq15min	L10(5mins)	Leq5min	LAeq15min	L10(5mins)
19:00	56.0	55.5	49.0	56.1	55.5	48.5	52.4	53.5	48.5	55.7	53.8	55.0	56.1	54.0	48.0
19:05	52.8	54.6	48.5	51.6	53.6	47.0	52.5	54.0	48.5	52.7	52.9	54.0	52.4	54.0	49.0
19:10	54.5	56.5	51.5	51.4	52.5	47.0	53.6	55.5	49.5	52.3	53.5	54.0	52.5	53.0	46.5
19:15	52.9	54.5	49.5	52.6	54.0	49.0	59.5	60.5	50.5	53.0	56.2	54.5	52.9	55.5	48.0
19:20	53.0	52.7	50.0	53.1	52.5	49.0	52.7	54.0	49.0	52.6	54.0	54.0	52.0	52.2	48.0
19:25	52.0	53.5	48.0	51.7	53.0	47.5	52.6	53.5	48.0	53.5	56.0	56.0	51.6	52.5	47.0
19:30	56.7	57.0	50.5	55.5	53.7	49.0	52.1	53.5	48.5	56.4	54.5	56.5	55.8	55.5	47.5
19:35	51.5	54.2	47.0	51.9	53.0	48.0	55.8	56.5	48.0	53.7	56.5	55.5	52.2	54.0	46.5
19:40	52.4	54.0	48.0	52.7	55.0	47.5	52.2	54.0	47.5	52.3	54.0	53.5	53.3	53.0	48.5
19:45	52.9	54.5	49.0	54.9	57.5	50.0	53.3	55.0	50.0	53.9	55.0	56.0	52.9	55.0	49.0
19:50	54.2	56.5	49.5	51.9	53.3	48.0	52.5	54.0	48.5	53.0	54.5	54.5	51.6	52.4	47.0
19:55	53.6	55.5	49.5	52.5	54.0	48.0	52.9	54.5	49.0	52.0	53.5	53.5	52.6	55.5	46.5
20:00	56.9	60.0	49.0	53.6	56.5	49.0	56.0	58.0	48.5	52.6	58.0	55.0	52.0	53.5	47.5
20:05	53.4	53.5	48.5	51.1	52.5	46.0	52.8	54.0	49.5	55.4	54.0	55.0	55.9	53.9	47.5
20:10	54.3	56.0	51.0	58.7	58.0	47.5	52.2	53.5	48.0	52.7	53.5	54.0	52.7	55.0	47.5
20:15	54.3	55.5	51.5	54.1	56.0	51.0	60.2	62.0	50.5	59.0	62.0	58.5	52.4	54.0	48.5
20:20	53.3	54.5	50.5	52.6	53.9	48.5	53.4	55.0	50.0	53.5	56.8	55.5	52.5	52.5	49.0
20:25	53.3	56.0	48.5	54.8	57.5	50.0	52.6	54.0	49.0	53.5	54.0	56.0	52.6	55.5	47.5
20:30	51.8	53.0	47.5	55.8	56.5	47.5	55.0	57.5	49.5	52.1	57.5	53.5	55.3	55.5	47.5
20:35	51.4	53.0	47.0	51.7	53.4	47.0	57.6	59.0	51.0	55.5	55.5	57.0	51.6	53.1	47.5
20:40	59.3	59.5	49.5	51.2	52.5	46.5	52.4	53.5	48.0	53.3	53.5	55.5	51.3	52.5	47.0
20:45	53.1	54.5	49.5	54.8	57.0	50.5	54.2	55.5	50.5	52.9	54.5	54.5	58.6	60.5	54.0
20:50	51.4	53.0	47.0	51.8	53.3	48.0	52.5	54.0	48.5	52.1	53.6	53.5	53.1	55.5	49.5
20:55	52.8	55.5	47.5	52.7	55.0	47.5	54.0	53.5	48.0	51.6	53.0	53.0	51.7	53.0	47.0
21:00	56.4	57.5	49.0	52.5	54.0	48.5	59.2	61.0	49.5	55.8	61.0	57.0	56.3	59.0	48.0
21:05	51.8	53.0	48.0	55.7	56.5	50.0	52.4	53.5	49.0	53.4	55.8	54.0	52.3	54.0	49.0
21:10	52.5	54.0	49.0	52.6	54.0	48.0	51.7	53.0	48.0	55.2	56.0	56.0	51.9	53.5	47.5
21:15	54.8	57.5	50.5	55.1	54.8	51.5	53.8	55.5	50.0	53.5	53.4	54.5	53.9	56.0	50.5
21:20	53.8	56.5	49.0	53.5	55.0	50.0	53.8	55.5	50.5	54.1	55.5	56.5	56.5	58.5	50.5
21:25	56.3	55.5	49.0	55.5	56.5	49.5	52.3	53.5	49.0	52.3	53.5	53.5	54.1	54.5	49.0
21:30	53.9	56.0	49.0	56.9	57.5	51.0	55.7	56.0	50.0	55.3	56.0	56.0	57.8	60.5	50.0
21:35	52.2	54.0	48.0	52.3	54.7	48.5	54.0	55.5	51.5	53.3	54.3	54.5	54.2	56.0	49.5
21:40	53.3	55.5	48.5	53.7	55.0	49.5	52.8	54.0	49.5	52.8	55.0	54.5	54.7	58.0	48.0
21:45	55.2	57.5	51.0	56.1	58.5	52.0	54.3	55.5	51.5	56.2	55.5	58.5	53.3	55.0	50.0
21:50	51.9	53.5	47.5	53.5	55.0	50.5	54.5	56.0	51.0	52.7	54.0	54.0	53.2	56.0	48.5
21:55	52.8	54.5	49.0	52.6	54.0	49.0	53.1	54.5	50.0	52.2	54.5	53.5	52.3	54.0	48.5
22:00	56.4	56.5	48.5	56.6	58.5	51.5	53.6	55.0	49.5	54.9	55.0	56.0	56.1	57.0	47.5
22:05	51.8	53.0	48.0	53.7	55.0	50.5	56.6	58.0	51.0	52.2	54.5	53.5	52.7	54.5	48.0
22:10	53.1	55.5	48.5	54.5	56.5	51.0	51.8	53.0	48.0	52.6	53.0	54.5	52.6	54.5	48.0
22:15	54.7	55.5	50.0	55.5	57.5	51.5	54.2	56.0	51.0	53.9	56.0	56.0	53.2	55.5	49.0
22:20	52.3	54.0	48.5	58.6	61.5	53.0	52.6	54.0	49.0	53.4	53.0	55.5	53.5	52.3	47.0
22:25	55.1	55.0	47.5	59.7	62.5	54.0	51.9	53.0	48.5	52.6	54.0	54.0	52.1	53.0	47.5
22:30	52.2	53.5	48.0	58.6	60.5	53.5	52.4	53.5	49.0	55.7	56.0	56.0	56.1	56.5	47.5
22:35	52.4	54.0	49.0	59.7	63.0	53.5	56.2	56.0	50.0	53.1	54.0	54.5	52.1	53.9	48.5
22:40	53.4	55.0	49.5	55.7	57.0	52.0	52.3	53.5	49.0	53.8	53.5	55.5	52.0	54.0	47.5
22:45	53.9	56.0	50.0	58.4	60.5	52.5	54.1	55.5	51.0	53.7	55.0	55.0	54.1	56.0	50.5
22:50	52.4	53.5	48.5	55.3	57.0	51.5	53.8	56.0	50.0	53.1	54.2	54.5	51.8	54.2	47.0
22:55	52.5	54.0	48.5	56.0	57.5	51.5	53.2	54.0	50.0	55.5	53.7	55.5	55.8	55.5	47.5

Note: Measurement undertaken free-field situation.

Baseline D

Date	23-Jan-2014				24-Jan-2014				25-Jan-2014				26-Jan-2014				27-Jan-2014			
	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)
19:00	51.8	53.5	47.0	52.2	55.0	54.0	48.0	51.8	54.0	53.0	47.5	55.9	53.6	56.0	47.5	54.4	51.2	58.0	58.0	38.0
19:05	55.5	53.5	47.0	55.3	55.0	55.5	47.0	56.3	56.5	56.5	50.0	52.0	54.0	53.5	50.0	51.2	51.5	55.5	55.5	39.0
19:10	52.1	53.5	48.0	56.5	56.0	56.0	49.0	52.5	51.6	54.5	48.0	51.6	51.6	53.0	47.0	42.1	42.1	45.0	45.0	36.5
19:15	55.8	59.0	50.0	53.1	54.5	54.5	49.0	52.9	53.1	55.0	48.0	53.1	52.8	55.0	47.5	50.0	48.2	52.5	52.5	44.0
19:20	56.4	57.5	51.0	59.0	54.5	54.5	48.5	52.4	52.4	54.0	48.5	53.2	53.2	55.0	49.0	48.3	48.3	51.5	51.5	42.5
19:25	52.9	54.5	49.5	51.7	53.0	53.0	47.0	52.1	51.9	53.5	47.5	51.9	51.9	53.5	48.0	45.0	45.0	47.5	47.5	41.0
19:30	52.7	54.0	49.5	56.9	58.0	58.0	50.0	51.9	52.0	53.0	47.5	52.0	53.7	53.5	47.5	55.8	51.4	59.0	59.0	45.0
19:35	53.9	56.5	50.0	52.1	54.3	53.5	48.0	55.5	55.9	54.5	48.5	55.9	54.0	53.5	47.0	43.1	43.1	46.5	46.5	38.5
19:40	52.3	53.5	48.5	52.1	53.5	53.5	47.5	53.8	53.8	55.0	47.5	51.7	51.7	53.0	47.5	42.3	42.3	46.5	46.5	37.0
19:45	61.0	65.5	51.5	54.5	57.0	57.0	48.5	53.6	53.6	56.0	48.5	53.2	53.2	55.0	49.0	52.6	52.6	57.0	57.0	43.0
19:50	56.3	58.5	52.0	53.9	55.5	55.5	48.5	51.9	51.9	53.5	47.0	51.8	52.1	53.0	47.5	45.9	45.9	48.5	48.5	41.0
19:55	51.7	53.0	47.5	58.8	59.0	59.0	49.5	51.1	51.1	52.5	46.0	51.0	51.0	52.5	46.0	52.4	52.4	57.5	57.5	40.5
20:00	58.5	63.0	50.5	56.2	59.0	59.0	47.5	51.1	51.1	52.5	46.0	55.3	52.8	52.5	47.0	48.1	48.1	51.5	51.5	39.5
20:05	60.6	65.0	51.0	55.7	55.5	55.5	48.0	55.5	55.5	56.5	48.0	51.5	53.2	53.0	47.0	43.1	43.1	45.5	45.5	39.0
20:10	58.4	63.0	48.5	51.5	53.0	53.0	47.0	51.5	51.5	53.0	46.5	51.1	51.1	52.5	46.0	57.6	57.6	59.5	59.5	41.0
20:15	54.8	57.0	51.0	54.2	57.0	57.0	49.0	52.8	52.8	54.5	49.0	52.8	52.8	54.5	48.5	55.7	55.7	59.5	59.5	44.0
20:20	53.9	55.5	50.5	53.0	54.5	54.5	49.0	53.4	53.4	55.0	49.5	52.8	52.8	55.0	48.5	51.9	51.9	55.5	55.5	44.0
20:25	53.1	56.0	48.5	53.6	56.5	56.5	48.0	52.2	52.2	53.0	47.0	51.5	51.5	53.0	47.0	46.4	46.4	49.0	49.0	42.0
20:30	52.7	54.0	48.5	55.7	55.5	55.5	48.5	56.7	56.7	59.5	48.5	53.2	53.6	53.5	48.0	54.3	54.3	57.5	57.5	40.0
20:35	51.7	53.0	47.5	53.2	53.9	54.0	48.0	52.3	52.3	53.0	46.5	55.2	54.2	56.0	47.5	46.5	46.5	47.0	47.0	38.0
20:40	59.2	60.5	50.0	51.7	53.0	53.0	47.0	52.0	52.0	52.5	46.0	51.7	51.7	52.5	47.5	47.7	47.7	51.0	51.0	39.0
20:45	54.2	56.5	49.5	54.1	56.0	56.0	50.5	59.2	59.2	60.0	48.5	54.1	54.1	56.0	49.0	51.1	51.1	53.5	53.5	45.5
20:50	53.7	55.5	49.5	52.6	54.0	54.0	48.5	52.0	52.0	53.5	47.5	52.3	52.8	53.5	48.0	51.2	51.2	54.0	54.0	45.5
20:55	55.0	57.5	47.0	51.4	53.0	53.0	46.5	51.7	51.7	53.0	47.5	51.8	51.8	53.0	47.5	50.2	50.2	53.5	53.5	43.0
21:00	55.4	57.0	47.5	56.2	58.0	58.0	47.5	55.2	55.2	57.0	48.0	51.5	51.5	53.0	47.0	55.0	55.0	58.0	58.0	43.5
21:05	52.0	53.5	48.5	52.1	53.8	53.5	48.5	56.1	56.1	54.5	48.5	51.7	54.7	54.5	47.5	47.8	47.8	50.5	50.5	43.0
21:10	52.1	53.5	48.0	51.5	53.0	53.0	47.0	51.7	51.7	53.0	47.0	58.3	54.7	61.0	48.0	52.2	52.2	54.5	54.5	42.5
21:15	57.7	58.0	51.0	55.1	58.0	58.0	50.5	51.8	51.8	53.0	47.0	52.9	52.9	54.5	48.5	55.7	55.7	56.5	56.5	44.0
21:20	53.0	54.0	49.0	53.2	55.5	55.5	48.5	52.5	52.5	54.0	48.0	53.1	52.9	54.0	48.5	49.4	49.4	52.5	52.5	39.5
21:25	51.5	53.0	47.5	51.9	53.0	53.0	47.5	54.0	54.0	54.0	47.5	52.0	52.0	53.0	47.0	42.6	42.6	45.5	45.5	38.0
21:30	54.1	56.0	49.5	57.0	58.5	58.5	50.5	53.0	53.0	54.5	48.5	55.8	54.2	56.5	48.5	52.9	52.9	54.5	54.5	39.5
21:35	52.5	54.0	49.0	53.0	55.0	55.0	48.5	56.6	56.6	59.5	48.0	52.0	54.2	53.5	48.0	50.0	50.0	53.0	53.0	40.5
21:40	58.4	59.0	49.5	52.8	54.5	54.5	48.5	51.2	51.2	52.5	46.0	54.3	52.7	55.0	47.0	54.3	54.3	53.0	53.0	45.0
21:45	52.6	54.5	48.5	55.9	58.5	58.5	52.0	52.6	52.6	54.5	48.0	55.3	52.9	56.5	48.5	53.7	53.7	57.0	57.0	45.5
21:50	53.5	56.0	49.5	52.1	53.8	53.5	48.0	53.8	53.8	55.5	50.0	51.8	52.9	53.0	47.5	48.6	48.6	51.5	51.5	43.0
21:55	52.3	53.5	48.5	52.2	53.5	53.5	48.0	52.3	52.3	53.5	48.5	53.0	53.0	55.0	48.0	52.1	52.1	57.0	57.0	41.5
22:00	56.2	56.0	50.5	52.6	54.5	54.5	48.0	52.2	52.2	53.5	48.0	56.7	54.7	59.5	49.5	55.4	55.4	59.5	59.5	42.5
22:05	53.1	56.0	48.0	53.2	55.5	55.5	49.0	51.8	51.8	53.0	47.0	53.2	52.2	55.0	48.0	49.7	49.7	53.0	53.0	44.0
22:10	52.9	56.0	47.0	52.5	54.5	54.5	48.0	52.6	52.6	55.0	47.0	52.7	54.6	54.5	48.0	63.4	63.4	59.5	59.5	39.5
22:15	53.0	54.5	49.5	59.3	61.5	61.5	50.0	57.4	57.4	58.0	47.5	54.2	54.2	56.0	48.5	66.1	66.1	65.0	65.0	44.0
22:20	53.1	55.5	48.0	53.2	55.5	55.5	48.5	52.3	52.3	54.0	48.0	52.4	52.9	54.0	48.5	63.1	63.1	57.5	57.5	44.5
22:25	51.4	52.5	47.0	51.5	53.0	53.0	47.0	52.0	52.0	53.5	48.0	51.7	51.7	53.0	47.5	48.4	48.4	51.5	51.5	41.5
22:30	52.9	54.5	49.5	53.3	56.0	56.0	48.0	51.6	51.6	53.0	47.0	55.4	53.2	55.5	48.0	52.7	52.7	53.0	53.0	42.0
22:35	52.2	53.5	48.5	55.9	55.5	55.5	49.0	56.2	56.2	54.5	47.5	51.4	53.2	52.5	46.5	54.5	54.5	54.5	54.5	43.5
22:40	58.2	58.5	48.5	52.1	54.0	54.0	47.5	51.3	51.3	52.5	46.0	51.4	53.7	53.0	46.5	49.4	49.4	47.0	47.0	40.0
22:45	54.7	56.5	52.0	54.1	57.0	57.0	50.0	52.4	52.4	54.0	48.0	53.9	51.4	54.0	48.5	50.6	50.6	55.0	55.0	42.0
22:50	53.9	56.0	50.0	53.5	56.0	56.0	48.5	52.2	52.2	53.5	47.5	52.3	52.3	53.5	48.0	49.6	49.6	53.5	53.5	43.5
22:55	52.5	54.0	49.0	55.5	55.5	55.5	48.0	52.2	52.2	53.0	47.5	51.8	52.3	53.0	47.5	53.9	53.9	55.0	55.0	42.0

Note:

Baseline D

Date	28-Jan-2014				29-Jan-2014				30-Jan-2014				31-Jan-2014			
	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)
19:00	56.0	52.9	59.0	43.5	50.9	52.4	47.0	37.0	46.1	51.8	50.0	39.0	53.9	51.4	56.0	39.0
19:05	47.2		49.0	43.5	55.6		58.0	42.5	54.0		56.5	41.0	48.2		50.5	42.5
19:10	51.4		53.5	46.0	45.7		48.0	42.0	52.2		55.5	42.5	50.2		53.0	44.5
19:15	52.6	49.9	56.0	46.5	46.5	45.7	50.0	39.5	49.3	47.9	52.0	44.5	52.2	50.1	55.0	44.5
19:20	49.6		53.0	43.5	46.7		51.0	39.5	47.8		51.0	42.0	49.8		53.0	42.0
19:25	43.4		45.5	39.5	43.1		45.5	39.0	46.2		49.0	41.5	46.8		51.0	39.0
19:30	53.6		58.5	41.0	53.8		53.5	41.5	54.3		55.5	42.0	49.6		54.0	38.5
19:35	51.8	53.4	54.5	47.0	52.8	51.8	55.5	39.5	50.1	52.2	50.5	42.0	48.9	53.8	52.5	41.5
19:40	54.4		54.0	44.5	43.2		46.0	38.5	51.0		53.0	43.5	47.4		58.5	37.0
19:45	53.6		58.5	44.0	49.8		53.5	41.0	51.5	48.0	54.0	45.5	52.5	51.3	55.0	36.0
19:50	52.1	52.7	57.0	44.5	57.9	54.1	60.5	46.0	45.6		48.0	41.5	45.0		48.5	38.0
19:55	52.3		57.5	44.0	47.6		49.0	40.0	41.1		43.5	38.5	52.9		53.0	38.5
20:00	57.4		60.5	50.0	51.4		57.5	37.5	49.8		55.0	37.0	47.3		50.0	37.0
20:05	44.3	53.2	46.0	41.5	47.3	51.5	51.0	40.0	46.1	49.8	49.0	41.5	38.5	44.9	41.0	35.0
20:10	47.0		47.0	41.0	53.6		54.5	42.0	51.7		56.5	41.5	45.1		49.0	36.0
20:15	56.4		60.0	45.5	53.5		58.5	44.5	57.4		55.0	44.0	49.5		52.5	42.0
20:20	56.5	55.1	60.0	47.5	52.7	52.0	57.0	44.5	51.5	53.8	56.0	43.0	46.0	47.8	48.5	40.5
20:25	49.4		52.0	44.0	48.4		49.5	40.0	45.6		48.0	42.0	47.2		51.5	39.5
20:30	53.3		58.0	45.5	55.8		59.5	42.0	54.3		56.5	39.5	43.7		46.5	37.5
20:35	54.8	52.6	58.5	41.0	56.0	54.6	60.5	41.0	47.3	51.5	49.5	40.5	46.7	52.9	50.0	38.0
20:40	44.9		47.0	42.0	49.8		49.0	42.0	50.1		52.0	42.0	57.1		57.0	38.0
20:45	52.8		57.0	47.5	51.0		54.5	44.5	55.4		59.5	46.5	49.8		54.5	41.5
20:50	48.7	51.2	52.5	41.5	48.5	48.7	52.0	40.0	43.4	51.1	45.5	40.0	49.0	51.5	48.5	38.5
20:55	51.3		53.5	47.0	44.2		45.0	38.5	42.2		44.5	38.5	54.0		59.5	40.5
21:00	56.4		60.5	46.0	48.3		53.0	37.0	50.5		56.0	38.0	57.4		61.5	41.0
21:05	50.4	53.0	54.0	44.5	53.4	50.3	53.0	40.5	46.3	54.3	48.5	41.5	42.9	53.2	45.5	39.0
21:10	47.7		50.0	42.5	45.7		49.0	40.5	58.1		59.5	44.5	47.4		51.0	42.0
21:15	54.7		59.0	43.5	50.1		53.5	44.0	50.9		55.0	44.5	49.3		51.5	43.5
21:20	51.2	51.9	53.5	43.5	48.5	48.6	51.5	42.5	52.4	50.6	57.0	42.5	50.9	49.0	55.0	42.5
21:25	45.4		47.5	41.5	46.3		49.0	41.0	46.7		50.0	41.5	45.0		48.0	38.5
21:30	54.3		54.5	41.5	47.8		50.5	40.5	52.0		53.5	43.0	51.1		56.0	38.5
21:35	51.9	51.9	56.0	41.5	55.9	52.2	59.0	42.0	53.7	54.0	58.5	44.0	54.9	53.5	56.0	45.0
21:40	46.2		49.0	42.5	46.5		50.0	40.0	55.5		58.0	47.5	53.6		57.0	46.5
21:45	53.5		58.0	43.0	52.4		55.5	45.0	49.4		52.5	45.0	53.8		57.0	46.5
21:50	53.3	52.2	57.0	44.5	48.3	50.4	52.0	42.5	51.1	49.4	54.0	44.5	46.2	50.4	49.5	39.0
21:55	47.5		49.5	44.0	49.6		52.5	43.5	46.3		49.5	41.0	46.7		48.0	39.0
22:00	51.9		56.5	43.5	45.2		49.0	38.0	50.7		54.5	40.0	54.0		54.0	38.5
22:05	54.1	52.5	55.0	42.5	54.0	50.3	55.0	41.0	45.3	49.3	47.5	42.5	48.6	50.9	51.0	43.5
22:10	51.0		55.5	45.5	45.5		50.0	40.0	50.2		54.5	40.5	46.8		50.0	38.5
22:15	49.4		51.5	45.0	50.8	48.2	54.0	44.0	58.0		59.5	44.0	51.8	48.4	54.5	46.5
22:20	51.3	49.1	55.0	43.0	46.8		50.0	42.0	49.8	54.1	56.0	40.0	44.6		47.5	40.0
22:25	43.9		45.0	40.5	44.5		47.0	39.5	46.9		50.5	41.0	44.2		47.5	39.0
22:30	54.5		54.5	45.5	47.1		50.5	40.0	54.5		54.5	42.5	46.7		50.0	40.5
22:35	50.4	52.2	52.0	47.0	53.7	50.5	53.0	42.5	46.3	51.1	48.5	43.5	47.6	47.0	50.0	42.0
22:40	50.3		54.0	43.5	47.0		49.5	40.5	47.7		50.5	43.0	46.7		49.5	41.0
22:45	54.4		58.0	46.0	49.7		53.5	42.5	50.4		54.5	43.0	53.1		57.0	42.0
22:50	51.6	52.3	56.0	44.0	48.2	47.8	51.5	39.0	50.2	49.5	55.0	40.0	47.6	51.4	51.0	38.5
22:55	49.7		53.5	41.0	43.5		46.0	38.0	47.0		50.5	41.0	51.9		50.0	42.5

Note:

Restricted Hours 2300 – 0700 Next Day

Baseline Data for Restricted Hour 2300-0700 of Next Day

Date	18-Jan-2014				19-Jan-2014				20-Jan-2014				21-Jan-2014				22-Jan-2014			
	Time	Leq5min	L10(5mins)	L90(5mins)	Leq5min	L10(5mins)	L90(5mins)	Leq5min	L10(5mins)	L90(5mins)	Leq5min	L10(5mins)	L90(5mins)	Leq5min	L10(5mins)	L90(5mins)	Leq5min	L10(5mins)	L90(5mins)	
00:00	52.2		54.0	48.0	52.7		54.0	49.0	60.3		62.5	56.5	52.8		55.5	48.0	54.0		56.0	50.5
00:05	51.9	52.5	53.0	48.0	53.4	53.4	55.5	49.0	62.4	61.6	65.5	57.0	52.1	52.7	53.5	48.5	58.0	55.8	61.0	53.0
00:10	53.2		55.5	49.0	54.1		57.0	50.0	61.9		64.0	57.5	53.1		55.0	49.0	54.1		55.5	51.0
00:15	53.6		55.0	50.0	53.7		55.0	51.0	62.0		64.0	57.5	53.3		54.5	50.0	53.4		55.0	50.0
00:20	52.0	53.5	53.5	48.0	54.0	53.6	56.0	50.5	62.3	61.3	65.0	56.5	52.3	52.4	53.5	49.0	52.6	52.8	54.0	49.5
00:25	54.5		56.5	50.5	53.0		54.5	49.5	59.0		61.0	54.5	51.4		52.5	47.0	52.3		53.5	49.0
00:30	56.7		60.5	49.0	53.0		54.5	49.5	61.0		63.0	54.5	52.1		53.5	48.5	53.1		55.0	50.0
00:35	51.5	54.2	53.0	47.5	52.5	52.9	53.5	49.0	61.4	61.2	63.5	55.0	51.9	52.0	53.0	48.0	52.3	52.8	53.5	48.5
00:40	52.7		54.5	48.5	53.2		55.5	49.0	61.1		63.0	57.0	51.9		53.5	48.0	52.9		55.0	48.0
00:45	52.4		54.0	49.0	54.8		56.5	52.0	59.0		60.5	56.0	53.4		55.5	49.5	52.7		54.0	49.5
00:50	52.1	52.3	53.5	48.0	53.0	54.0	54.0	50.0	57.9	59.1	59.5	55.5	51.6	52.3	53.0	48.0	53.2	52.6	55.5	48.5
00:55	52.5		54.0	48.5	54.1		56.0	50.0	60.0		62.0	55.5	51.7		53.0	48.0	51.6		53.0	48.0
01:00	51.8		53.0	47.5	57.2		59.0	54.5	59.9		62.5	55.5	52.1		53.5	48.5	51.9		53.0	48.0
01:05	51.3	52.1	52.5	47.0	53.0	55.2	54.5	49.5	60.5	59.9	63.0	56.0	51.7	52.0	53.0	48.0	52.1	52.3	53.5	48.0
01:10	53.1		56.0	48.0	54.2		56.5	50.5	59.3		62.0	56.0	52.2		53.5	49.0	52.9		55.5	48.0
01:15	52.3		54.5	47.5	54.7		56.5	52.0	56.9		58.0	55.0	52.1		53.5	48.0	53.0		54.5	49.5
01:20	51.4	51.7	52.5	47.0	53.7	55.4	55.0	51.0	59.7	59.2	61.5	56.5	52.6	52.1	54.5	48.0	51.8	52.2	53.0	48.0
01:25	51.3		52.5	47.0	57.0		60.0	52.0	60.2		63.0	55.0	51.5		53.0	47.5	51.6		53.0	47.5
01:30	51.8		53.5	48.0	53.0		54.5	49.5	58.1		60.5	54.5	57.1		60.5	51.0	51.5		52.5	47.5
01:35	51.4	52.0	52.5	47.0	52.6	52.8	54.0	49.5	56.8	57.3	58.5	53.5	51.9	54.3	53.0	47.5	52.2	52.0	53.5	49.0
01:40	52.7		54.5	48.5	52.9		54.5	49.5	56.8		58.5	53.5	51.6		53.0	47.5	52.2		53.5	49.0
01:45	52.7		54.5	48.5	52.9		54.5	49.5	61.2		60.5	54.0	52.9		54.5	49.5	53.9		55.5	51.0
01:50	51.1	51.7	52.5	46.0	51.8	52.3	53.0	48.0	57.2	58.8	58.5	54.5	52.5	52.4	54.0	48.5	52.4	52.9	53.5	49.0
01:55	51.2		52.5	46.5	52.0		53.0	48.5	56.5		58.0	54.0	51.7		53.0	48.0	52.2		53.5	48.5
02:00	51.7		53.0	47.0	52.1		53.5	48.0	56.6		58.0	53.5	51.5		52.5	47.5	51.2		52.5	47.0
02:05	51.2	51.7	52.5	46.5	53.1	52.7	55.0	48.5	57.7	57.3	58.5	54.0	51.2	51.3	52.5	47.0	51.3	51.2	52.5	47.0
02:10	52.2		54.5	47.0	52.8		55.5	47.0	57.5		59.0	53.5	51.3		52.5	47.0	51.0		52.5	46.5
02:15	51.1	51.7	52.5	46.0	51.6	51.4	53.0	47.0	56.3	56.1	58.0	53.5	52.6	52.0	54.5	48.0	52.7	51.7	55.0	47.0
02:20	51.1		52.5	46.0	51.2		52.5	46.5	56.2		58.0	53.5	51.5		52.5	47.5	51.1		52.5	46.5
02:25	52.7		55.0	47.5	51.4		53.0	47.0	55.8		57.0	53.5	51.7		53.0	48.0	51.1		52.5	46.5
02:30	51.2		52.5	46.5	51.5		53.0	47.5	56.7		59.0	53.5	51.5		52.5	47.5	51.2		52.5	46.5
02:35	51.6	51.5	53.0	47.5	51.1	51.2	52.5	46.0	56.7	56.9	58.5	54.0	52.2	51.7	53.5	49.0	51.1	51.1	52.5	46.5
02:40	51.6		53.0	47.5	51.1		52.5	46.5	57.3		59.0	54.5	51.5		53.0	47.5	50.9		52.5	46.0
02:45	52.3		54.5	47.5	51.7		53.5	46.5	55.9		57.5	53.5	52.6		54.0	48.5	51.1		52.5	46.5
02:50	53.0	52.7	54.5	49.0	51.0	51.2	52.5	46.0	56.6	56.5	57.5	54.5	52.0	52.9	53.5	48.0	51.6	51.2	53.0	46.5
02:55	52.7		54.0	49.0	50.9		52.5	45.5	56.8		58.5	54.0	54.0		56.0	50.0	51.0		52.5	46.0
03:00	52.0		53.5	47.5	50.9		52.5	45.5	57.3		59.5	54.0	51.9		53.0	48.0	52.0		54.0	46.5
03:05	52.1	52.1	53.5	48.5	50.9	51.0	52.5	45.5	57.9	58.3	60.0	54.5	52.1	51.8	53.5	48.5	52.3	51.8	54.5	47.5
03:10	52.3		53.5	49.0	51.1		52.5	46.5	59.4		61.0	56.0	51.3		52.5	47.0	51.1		52.5	46.5
03:15	51.8		53.0	48.0	51.9		53.5	47.5	58.0		59.5	56.0	51.7		52.0	47.5	51.8		53.5	47.5
03:20	52.2	52.0	53.0	48.0	51.3	51.4	52.5	46.5	58.2	57.7	60.0	55.5	52.2	51.8	53.5	48.5	51.3	51.8	52.5	46.5
03:25	52.1		53.5	48.0	50.9		52.5	46.0	56.7		58.0	54.5	51.6		53.0	47.5	52.3		54.0	47.5
03:30	53.1		54.5	50.0	51.7		53.0	47.5	58.2		58.5	54.5	52.4		54.0	48.0	51.3		52.5	47.0
03:35	51.5	52.7	53.0	47.5	53.1	52.3	56.5	46.5	61.0	59.7	62.5	56.5	52.0	52.5	53.5	48.0	51.8	51.7	53.5	47.0
03:40	53.2		55.5	49.0	52.0		53.5	48.0	59.5		61.5	56.0	53.0		55.0	48.5	52.0		54.0	47.0
03:45	52.9		54.5	49.0	51.8		53.0	47.5	58.7		60.5	55.5	52.4		53.5	49.0	52.6		55.0	48.0
03:50	51.5	52.0	53.0	47.0	51.5	53.5	53.0	47.5	58.1	58.9	59.5	55.5	51.3	51.6	52.5	47.0	51.4	51.7	53.0	47.0
03:55	51.5		53.0	47.5	55.7		58.5	51.0	59.7		61.5	57.0	51.1		52.5	46.5	50.8		52.0	45.5
04:00	51.5		53.0	47.0	52.1		53.5	48.5	58.7		60.5	55.5	51.1		52.5	46.5	50.9		52.5	46.0
04:05	51.8	51.8	53.0	48.0	53.8	53.0	56.0	50.0	57.8	57.9	60.0	54.5	51.4	51.2	52.5	47.0	51.0	50.9	52.5	46.5
04:10	52.1		53.5	48.5	52.8		54.0	49.5	57.1		58.5	55.0	51.1		52.5	46.5	50.8		52.0	45.5
04:15	52.1		53.5	48.5	52.5		54.0	49.0	58.2		60.5	55.0	51.6		53.0	47.5	51.1		52.5	46.5
04:20	51.6	51.9	53.0	47.5	52.1	52.2	53.0	48.5	57.9	58.7	59.5	55.0	51.6	51.4	53.0	47.5	51.8	51.3	53.0	48.0
04:25	52.0		53.5	48.0	52.1		53.5	48.5	59.7		62.0	56.5	51.1		52.5	46.5	51.0		52.5	46.0
04:30	52.2		53.5	48.5	52.4		54.0	49.0	57.5		59.0	55.0	51.0		52.5	46.0	50.8		52.0	45.5
04:35	51.8	52.5	53.0	48.0	52.3	52.2	53.5	49.0	57.7	58.1	59.0	55.5	51.1	51.4	52.5	46.5	51.5	51.6	53.0	47.0
04:40	53.3		56.0	48.5	51.9		53.0	48.0	59.0		60.5	56.0	52.0		53.5	48.0	52.4		54.5	47.5
04:45	51.9		53.0	48.0	53.2		55.0	49.5	60.4		63.0	55.0	52.9		55.5	48.0	54.1		56.0	50.0
04:50	52.2	52.4	53.5	49.0	51.9	52.7	53.0	48.0	62.0	62.1	64.5	56.5	51.2	51.8	52.5	46.5	51.1	52.3	52.5	46.5
04:55	53.0		54.5	50.0																

Baseline D

Date	23-Jan-2014				24-Jan-2014				25-Jan-2014				26-Jan-2014				27-Jan-2014					
Time	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)		
00:00	54.9		58.5	48.5	52.0		53.5	48.5	52.7		55.5	47.0	52.1		53.0	46.5	51.2		51.4	52.5	46.0	
00:05	57.5	55.4	61.0	49.0	54.3		57.0	49.0	51.1	58.9		52.5	46.0	51.5	51.6		53.0	47.0	51.2		52.5	46.0
00:10	52.4		55.0	47.5	58.0		61.0	51.0	63.0			53.0	46.5	51.2			52.5	46.5	51.7		53.0	47.5
00:15	52.1		53.5	47.5	51.9		53.5	48.0	53.3			55.5	48.0	51.7			53.5	46.5	52.9		55.0	48.0
00:20	52.0	52.2	54.5	46.5	54.0		57.5	48.0	59.5	56.4		64.0	50.0	52.1	52.0		53.5	48.0	51.7	52.0	53.0	47.5
00:25	52.4		54.5	47.0	50.8		52.0	45.5	53.3			56.0	47.5	52.3			54.0	47.5	51.3		52.5	46.5
00:30	52.6		54.5	48.0	51.4		53.0	46.5	51.8			53.5	47.0	51.3			52.5	46.5	51.3		52.5	46.5
00:35	51.4	52.6	53.0	47.5	51.3		52.5	46.5	51.4	51.4		52.5	46.5	55.7	53.3		58.0	49.0	51.2	53.1	52.5	46.5
00:40	53.5		56.5	48.0	52.5		55.5	46.5	50.9			52.5	45.5	51.3			52.5	46.5	55.3		58.5	49.5
00:45	52.0		53.5	47.5	51.1		52.5	46.0	53.1			55.5	48.0	52.0			53.5	47.0	54.3		57.0	48.5
00:50	51.1	51.4	52.5	46.5	52.0		53.5	47.5	51.5	52.1		53.0	47.0	51.8	51.7		53.0	47.5	52.6	53.1	54.0	48.5
00:55	51.0		52.5	46.5	54.2		56.5	50.5	51.4			53.0	46.5	51.4			52.5	46.5	52.1		53.5	48.0
01:00	51.3		53.0	46.5	53.7		55.5	50.5	51.6			53.0	47.0	51.7			53.0	47.0	52.1		53.5	48.0
01:05	52.0	51.4	54.0	47.5	52.3		53.5	49.0	51.1	51.4		52.5	46.0	51.3	51.4		52.5	46.5	51.2	51.6	52.5	46.5
01:10	50.9		52.5	46.0	53.0		55.5	48.0	51.6			53.0	47.0	51.3			52.5	46.5	51.6		53.0	47.0
01:15	51.8		54.0	46.0	52.6		55.0	47.0	53.8			57.0	48.0	51.8			53.5	46.5	52.2		54.0	47.0
01:20	52.9	51.9	56.0	47.0	50.7		52.0	45.5	52.0	52.4		53.5	48.0	53.6	52.3		55.0	47.0	51.5	51.7	53.0	47.0
01:25	50.7		52.0	45.5	51.4		52.5	47.0	51.0			52.5	45.5	51.3			52.5	46.0	51.4		53.0	47.0
01:30	50.6		52.0	45.0	51.2		52.5	46.5	50.9			52.5	45.0	53.3			56.5	46.5	51.3		52.5	46.5
01:35	51.6	51.4	53.0	46.5	51.1		52.5	46.0	51.8	51.7		53.5	47.0	51.2	52.1		52.5	45.5	51.3	51.4	52.5	46.5
01:40	51.9		53.5	47.5	52.6		54.0	49.5	52.3			54.0	48.0	51.4			52.5	46.5	51.6		53.0	47.0
01:45	52.3		54.5	47.5	53.1		56.0	47.5	52.4			54.5	48.0	52.4			54.0	48.0	52.3		54.0	48.0
01:50	52.5	52.0	55.0	47.0	51.7		53.5	47.0	51.3	51.6		52.5	46.0	51.6	51.7		53.0	47.0	51.4	51.7	52.5	46.5
01:55	51.1		52.5	46.0	50.8		52.5	45.5	50.9			52.5	45.5	51.1			52.5	46.0	51.3		52.5	46.5
02:00	50.9		52.5	46.0	51.0		52.5	46.5	51.3			52.5	46.0	51.2			52.5	46.0	51.3		52.5	46.5
02:05	52.2	52.0	54.0	45.5	50.7		52.0	45.5	51.0	51.0		52.5	45.5	51.2	51.2		52.5	46.0	52.3	51.9	53.5	46.5
02:10	52.6		55.5	46.0	50.6		52.0	45.0	50.8			52.5	45.0	51.1			52.5	46.0	51.9		53.5	46.5
02:15	50.8		52.0	45.5	52.1		54.5	46.5	52.7			55.5	46.0	52.0			53.5	46.5	53.1		55.5	47.5
02:20	51.5	51.3	53.5	46.0	50.7		52.0	45.5	50.9	51.7		52.5	45.5	50.9	51.4		52.5	45.5	51.7	52.2	53.0	46.5
02:25	51.5		53.0	47.5	51.4		53.0	47.5	51.3			52.5	46.5	51.1			52.5	46.0	51.5		53.0	47.0
02:30	51.0		52.5	46.5	51.3		52.5	47.0	50.9			52.5	45.0	51.0			52.5	45.5	51.1		52.5	46.0
02:35	50.8	50.8	52.0	45.5	50.9		52.5	46.0	50.8	50.8		52.5	45.0	50.9	51.0		52.5	45.0	51.1	51.1	52.5	46.0
02:40	50.6		52.0	45.0	50.9		52.5	46.0	50.8			52.5	45.0	51.0			52.5	45.5	51.1		52.5	46.0
02:45	51.8		54.0	46.0	51.7		53.0	47.5	52.4			55.0	46.0	51.2			52.5	46.0	51.3		52.5	46.5
02:50	50.8	51.1	52.5	46.0	52.9		53.0	48.5	50.8	51.4		52.5	45.0	51.0	51.0		52.5	45.5	51.7	51.4	53.0	46.5
02:55	50.6		52.0	45.0	51.0		52.5	46.0	50.8			52.5	45.0	50.9			52.5	45.5	51.1		52.5	46.0
03:00	50.6		52.0	45.0	50.8		52.5	45.5	50.8			52.5	45.0	51.4			52.5	45.5	51.1		52.5	46.0
03:05	50.6	50.9	52.0	45.0	51.5		53.0	47.5	50.8	51.6		52.5	45.0	51.3	51.2		52.5	46.5	51.1	51.2	52.5	46.0
03:10	51.4		53.5	45.5	51.4		52.5	47.5	52.8			55.0	47.0	51.0			52.5	45.5	51.3		52.5	46.0
03:15	51.5		53.0	47.5	51.7		53.0	47.0	53.6			55.5	48.0	51.4			53.0	46.0	51.5		53.0	47.0
03:20	50.6	50.9	52.0	45.0	51.4		53.0	47.0	51.1	52.0		52.5	46.0	51.2	51.2		52.5	46.0	51.1	51.2	52.5	46.0
03:25	50.6		52.0	45.0	51.1		52.5	46.5	50.8			52.5	45.0	50.9			52.5	45.5	51.0		52.5	45.5
03:30	50.5		52.0	45.0	51.5		53.0	47.0	51.0			52.5	45.5	50.9			52.5	45.5	52.3		54.5	46.5
03:35	51.2	52.1	53.0	45.5	52.1		53.5	48.5	52.7	52.2		54.5	48.0	51.7	51.4		53.5	46.5	52.7	52.2	54.5	49.0
03:40	53.9		56.5	49.5	53.3		56.0	48.5	52.6			55.5	46.0	51.5			53.0	46.0	51.5		53.0	46.5
03:45	51.4		53.0	46.5	51.8		53.0	48.0	51.9			53.5	47.5	52.4			54.5	47.0	53.0		56.0	47.0
03:50	50.6	50.9	52.0	45.0	51.2		52.5	47.0	51.4	51.4		53.0	46.5	50.9	51.4		52.5	45.5	51.5	51.9	53.0	47.0
03:55	50.5		52.0	45.0	51.2		52.5	47.0	51.0			52.5	45.5	50.8			52.5	45.5	51.0		52.5	45.5
04:00	50.5		52.0	45.0	51.0		52.5	46.0	50.8			52.5	45.0	50.8			52.5	45.0	50.9		52.5	45.5
04:05	50.5	50.5	52.0	45.0	51.0		52.5	46.0	50.8	50.9		52.5	45.0	50.8	51.0		52.5	45.0	50.9	51.0	52.5	45.5
04:10	50.5		52.0	44.5	51.1		52.5	46.5	51.1			52.5	45.5	51.3			52.5	46.0	51.1		52.5	46.0
04:15	51.1		52.5	46.0	51.2		52.5	47.0	51.4			53.0	46.0	51.4			53.0	47.0	51.1		52.5	45.5
04:20	50.8	50.8	52.0	45.5	50.9		52.5	46.0	51.2	51.3		52.5	46.0	51.0	51.4		52.5	46.0	51.1	51.3	52.5	46.0
04:25	50.6		52.0	45.0	51.2		52.5	46.5	51.3			52.5	46.5	51.7			53.5	46.5	51.6		53.0	46.5
04:30	50.5		52.0	45.0	51.0		52.5	46.0	50.9			52.5	45.0	51.7			53.5	46.5	52.3		54.0	48.0
04:35	51.1	51.8	52.5	46.5	51.1		52.5	46.5	51.5	51.1		53.0	46.5	51.4	51.5		53.0	46.5	51.1	51.7	52.5	46.0
04:40	53.3		55.5	49.0	51.4		53.0	46.5	50.9			52.5	45.5	51.4			53.0	46.5	51.6		53.0	47.0
04:45	51.2		52.5	46.5	53.3		55.5	49.0	52.9			56.0	47.5	52.0			53.5	46.5	53.4		56.5	47.0
04:50	50.6	50.8	52.0	45.0	51.2		52.5	46.5	50.9	51.7		52.5	45.5	50.9	51.3		52.5	45.5	51.1	52.0	52.5	46.0
04:55	50.6		52.0	45.0	50.8		52.5	45.5	50.9			52.5	45.5	50.9			52.5	45.0	51.1		52.5	46.0
05:00	52.0		54.5	46.0	52.4		54.5	47.5	50.8			52.5	45.0	51.4			52.5	46.0	51.6		53.0	46.0
05:05	50.6	53.3	52.0	45.0	50.9		52.5	46.0	52.9	51.6		56.0	46.5	51.5	51.3		53.0	47.0	51.4	51.6	52.5	46.0
05:10	55.7		58.5	49.5	50.8		52.0	45.5	50.8			52.5	45.0	51.0			52.5	46.0	51.8		53.0	46.0
05:15	53.6		57.0	49.0	51.1		52.5	46.5	51.1			52.5	46.0	51.1			52.5	46.0	51.3		53.0	46.5
05:20	51.0	52.3	52.5	46.0	50.9		52.5	46.0	52.1	51.6		53.5	47.5	50.								

Baseline D

Date	28-Jan-2014				29-Jan-2014				30-Jan-2014				31-Jan-2014			
	Time	Leq5min	L10(5mins)	L90(5mins)	Leq5min	L10(5mins)	L90(5mins)	Leq5min	L10(5mins)	L90(5mins)	Leq5min	L10(5mins)	L90(5mins)	Leq5min	L10(5mins)	L90(5mins)
00:00	45.9		48.5	38.0	45.3		48.5	40.0	44.7		47.5	40.0	51.6		56.5	36.5
00:05	46.4	46.7	50.0	40.0	45.3	45.6	49.5	40.0	46.3	45.8	49.0	41.0	44.9	50.4	50.0	38.5
00:10	47.5		51.0	43.5	46.1		48.5	40.5	46.2		50.5	37.0	51.9		57.0	40.5
00:15	50.9		55.0	41.0	52.2		56.0	41.5	51.3		55.5	44.5	51.7		55.5	44.0
00:20	46.4	48.0	49.0	42.0	49.8	50.1	52.0	47.0	49.1	48.9	54.0	41.0	47.3	48.9	51.5	40.0
00:25	43.6		46.0	39.5	46.6		49.5	42.5	42.4		45.0	37.0	45.2		49.5	38.0
00:30	49.8		53.5	42.0	48.2		50.5	41.5	38.7		39.0	34.5	44.8		48.5	36.5
00:35	48.0	48.4	53.0	40.5	44.6	46.0	47.5	39.5	39.2	41.4	41.5	33.5	44.1	46.5	47.5	37.0
00:40	46.9		51.0	40.5	43.9		46.5	40.0	44.1		48.5	33.5	49.0		52.5	39.5
00:45	53.2		58.0	45.0	49.2		52.0	44.5	50.0		55.0	40.5	50.4		55.0	41.5
00:50	49.7	50.6	53.0	42.0	47.7	47.5	53.0	39.0	45.8	47.8	49.0	41.0	41.3	47.8	43.5	35.5
00:55	45.9		48.5	40.0	44.5		48.5	39.0	46.2		48.5	42.0	47.7		51.0	41.0
01:00	52.3		57.5	41.0	52.7		57.5	44.0	42.8		45.5	37.0	47.1		50.5	39.5
01:05	42.4	50.2	45.5	36.5	43.5	49.4	45.5	40.0	38.6	40.5	41.0	35.5	37.2	46.9	39.5	34.0
01:10	51.0		58.0	35.5	47.4		51.0	41.0	38.8		43.0	34.0	49.5		55.0	36.0
01:15	46.0		48.5	41.0	53.5		57.5	41.0	40.3		44.0	34.5	53.1		57.5	39.0
01:20	51.4	48.0	58.0	36.5	43.0	50.5	45.5	38.5	49.7	45.8	55.5	34.5	41.6	48.7	44.5	35.0
01:25	39.7		42.5	35.5	49.7		55.5	36.5	39.8		40.5	32.0	34.9		36.5	32.5
01:30	51.5		57.5	35.5	39.6		42.5	35.5	46.0		51.5	34.0	35.0		36.5	33.0
01:35	36.9	47.8	38.5	34.5	37.2	41.5	38.5	35.5	39.8	44.5	42.0	36.0	39.2	43.6	42.0	35.0
01:40	45.5		50.5	36.0	44.5		46.5	37.5	45.4		48.0	39.5	47.6		52.0	37.5
01:45	51.8		56.5	41.0	53.3		55.5	49.0	48.1		52.5	37.5	51.7		57.0	37.0
01:50	45.6	48.3	48.0	39.0	46.9	49.6	50.5	39.0	44.6	46.3	49.5	34.0	37.4	47.6	39.0	35.0
01:55	41.8		45.5	35.0	39.2		41.0	35.5	45.3		50.5	34.0	42.5		46.5	32.5
02:00	45.2		49.0	35.5	38.7		41.0	35.5	41.5		42.5	39.5	42.5		45.0	37.5
02:05	38.0	45.8	40.0	35.0	37.7	41.1	39.5	35.0	43.3	43.3	46.0	38.5	39.7	48.0	41.5	37.0
02:10	48.7		53.0	35.5	44.0		49.0	34.0	44.5		48.5	35.5	52.1		55.0	39.0
02:15	51.6		55.5	44.0	45.9		48.5	32.5	49.1		56.0	36.5	39.2		40.5	33.0
02:20	45.7	48.2	48.0	40.0	47.5	45.4	52.5	33.0	36.8	45.0	41.0	---	33.8	37.9	36.5	---
02:25	42.4		45.0	36.0	39.6		43.5	35.5	39.5		43.0	33.0	38.8		43.0	---
02:30	46.8		50.5	39.0	46.6		50.5	40.0	38.2		40.5	33.5	38.7		41.5	33.5
02:35	42.5	43.9	45.0	38.5	41.9	43.9	42.0	36.5	35.0	36.1	37.5	---	33.2	35.9	35.0	---
02:40	39.1		42.0	33.5	40.9		44.5	36.5	34.1		37.5	---	33.2		37.0	---
02:45	51.3		56.0	37.5	52.4		56.5	42.0	34.1		37.5	---	50.9		56.0	32.5
02:50	46.6	47.9	49.5	35.0	41.1	48.0	43.5	35.0	43.0	44.2	49.0	---	35.8	46.3	37.0	33.5
02:55	35.5		39.0	---	35.8		38.0	32.5	47.5		52.5	38.0	31.9		33.5	---
03:00	31.9	44.5	33.5	---	31.9	32.9	33.5	---	37.5	36.3	40.5	33.0	31.9	39.0	34.0	---
03:05	39.2		42.0	---	31.9		---	---	33.8		36.5	---	34.1		37.5	---
03:10	48.7		52.5	36.5	34.3		39.0	---	36.9		40.0	---	42.9		48.0	---
03:15	48.8		52.5	36.0	45.0		50.5	32.5	45.2		50.0	35.5	42.1		46.0	34.5
03:20	32.6	44.2	35.5	---	47.8	44.9	51.5	32.5	40.4	46.0	43.5	33.0	34.9	38.6	37.5	---
03:25	32.1		36.0	---	31.9		34.5	---	48.7		51.5	39.5	33.4		35.5	---
03:30	31.9		34.0	---	35.4		38.5	---	32.1		36.0	---	34.5		36.5	---
03:35	31.9	48.2	34.5	---	39.1	42.8	41.5	34.0	39.7	43.1	43.0	---	42.8	44.9	48.5	33.0
03:40	52.9		59.0	---	46.6		50.5	37.5	47.0		50.5	38.0	48.5		53.0	34.5
03:45	48.2		53.0	37.0	50.6		55.5	39.0	52.1		57.5	39.5	38.1		41.5	34.0
03:50	47.3	46.5	49.5	41.0	38.5	46.3	40.5	35.0	42.0	47.8	45.0	34.5	33.0		35.0	---
03:55	41.1		45.5	---	37.8		39.0	35.5	34.1		37.0	---	32.1		34.5	---
04:00	33.0		35.5	---	39.0		42.0	36.0	34.6		38.0	---	34.0		36.0	---
04:05	31.9	46.1	33.5	---	45.5	42.7	47.0	42.0	34.5	36.5	37.5	---	31.9	33.9	34.5	---
04:10	50.7		57.0	---	40.9		45.5	33.5	38.9		44.5	---	35.3		36.0	---
04:15	45.6		50.5	35.0	50.9		55.5	39.5	42.7		48.0	34.5	43.9		48.0	36.5
04:20	38.2	44.1	41.0	---	45.7	48.2	50.0	39.0	37.6	39.4	41.0	---	42.1	41.5	46.5	34.0
04:25	45.4		51.0	32.0	45.8		49.5	38.5	32.3		36.0	---	32.6		34.5	---
04:30	41.3		44.5	35.5	42.2		45.0	35.0	35.2		40.0	---	32.3		35.0	---
04:35	32.1	44.9	36.0	---	45.8	45.2	49.5	38.0	37.6	40.7	44.0	---	33.0	34.2	37.5	---
04:40	48.9		54.0	---	46.5		49.0	39.5	44.2		48.0	32.5	36.3		40.5	---
04:45	37.9		40.5	34.0	49.9		55.5	36.5	51.9		58.0	37.0	37.8		40.5	34.0
04:50	37.9	36.8	41.0	32.5	35.6	45.4	38.5	---	39.8	47.4	43.5	32.5	36.7	43.4	38.5	---
04:55	33.0		36.0	---	31.9		33.5	---	33.2		36.0	---	47.4		52.5	33.0
05:00	52.4		58.5	---	48.9		55.0	---	40.1		44.5	---	47.9		53.5	33.5
05:05	32.6	47.8	35.5	---	39.2	44.6	41.5	36.5	49.3	45.4	55.0	---	34.6	43.4	36.5	32.5
05:10	35.4		39.0	---	31.9		35.5	---	39.9		45.0	32.5	31.9		33.0	---
05:15	47.0		49.5	41.0	42.1		45.5	33.0	41.1		47.0	32.5	44.2		47.5	33.0
05:20	38.3	42.9	42.5	---	34.0	40.7	36.5	---	41.8	42.3	44.0	38.0	40.4	41.4	45.0	33.0
05:25	33.6		36.0	---	42.2		46.0	33.0	43.6		47.0	33.0	36.1		39.0	32.5
05:30	33.6		37.5	---	35.5		39.0	---	32.6		36.0	---	33.6		35.5	---
05:35	31.9	43.3	35.5	---	37.4	36.1	38.5	35.5	35.0	38.9	37.0	---	31.9	32.5	34.0	---
05:40	47.8		52.0	33.0	35.0		36.5	32.5	42.6		47.0	33.5	31.9		35.0	---
05:45	47.1		52.0	39.5	47.4		51.0	40.0	45.2		47.5	34.5	31.9		34.5	---
05:50	41.8	45.7	43.5	36.5	44.7	45.9	49.0	38.0	48.5	46.1	53.5	33.0	31.9	31.9	33.0	---
05:55	46.6		52.0	33.5	45.0		50.0	36.5	42.7		44.5	39.5	31.9		---	---
06:00	40.9		44.0	35.5	38.6		41.0	34.5	43.1		46.5	35.0	47.0		52.0	---
06:05	47.3	43.9	51.0	40.0	46.1	42.7	48.5	39.5	43.8	42.5	47.0	35.0	47.4	47.4	49.5	43.0
06:10	38.7		41.5	35.5	39.1		41.0	37.0	39.6		44.0	33.0	47.9		49.0	38.0

Restricted Hours 0700 – 1900 (Holiday)

Baseline Data for Restricted Hour 0700-1900 Holiday

Date	19-Jan-2014				26-Jan-2014				31-Jan-2014			
	Time	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)
07:00	54.7	54.6	57.0	51.5	51.4	51.6	53.0	47.0	58.1	56.1	62.5	38.0
07:05	55.4		57.5	51.5	51.3		52.5	46.5	55.7		58.0	41.0
07:10	53.6		55.0	50.5	52.0		53.5	48.0	53.3		58.0	44.0
07:15	55.2	55.0	57.0	52.5	52.9	53.3	55.0	47.5	58.5	56.0	61.0	46.5
07:20	54.2		55.0	51.5	53.2		56.0	48.5	55.5		60.0	46.5
07:25	55.4		57.0	52.5	53.7		55.0	49.5	51.1		54.0	46.0
07:30	55.3	55.0	56.0	52.5	54.9	54.6	58.0	49.5	52.0	56.9	54.5	46.5
07:35	54.6		56.0	51.5	54.4		56.5	50.5	56.2		59.5	46.5
07:40	55.1		56.5	52.5	54.4		56.5	50.0	59.5		63.5	50.0
07:45	56.7	55.4	58.5	54.0	54.4	55.1	56.0	50.5	55.4	54.8	59.0	48.0
07:50	54.3		55.5	51.5	55.1		57.5	50.5	54.8		57.5	49.5
07:55	54.8		56.0	51.5	55.7		57.5	51.5	54.0		57.0	47.5
08:00	57.2	56.1	60.5	52.0	58.8	56.9	62.5	53.0	56.3	55.9	60.0	47.0
08:05	54.4		56.0	51.5	54.3		56.0	51.0	55.3		58.5	48.5
08:10	56.2		57.5	54.0	56.4		59.0	52.0	56.0		60.0	46.0
08:15	54.8	55.1	55.5	52.5	54.1	54.8	56.5	50.0	55.4	55.3	59.5	47.0
08:20	55.0		56.5	52.5	56.2		59.0	51.5	55.3		58.5	48.5
08:25	55.6		57.0	53.0	53.8		55.5	50.0	55.3		57.5	49.0
08:30	55.4	55.1	57.0	51.5	54.3	54.8	56.0	50.5	55.1	55.1	58.0	46.5
08:35	54.0		55.0	51.0	55.4		58.5	50.0	55.1		59.0	45.5
08:40	55.8		57.5	53.0	54.7		56.5	48.5	55.0		58.5	47.0
08:45	55.3	56.2	56.5	52.5	55.5	55.2	57.5	51.0	56.7	56.5	60.0	50.0
08:50	55.6		57.0	52.5	55.0		57.0	51.5	55.1		58.5	48.5
08:55	57.4		60.0	53.5	55.2		56.5	51.0	57.5		62.0	47.0
09:00	55.6	56.9	57.0	53.0	53.8	57.2	55.5	50.0	58.3	57.6	61.5	46.5
09:05	57.6		60.5	53.5	55.0		58.0	50.5	54.3		57.5	48.0
09:10	57.3		59.0	53.5	60.1		62.5	54.5	58.9		63.0	48.5
09:15	54.9	55.7	56.0	53.0	61.4	62.7	63.0	58.5	56.0	56.2	59.5	47.0
09:20	56.3		58.0	54.0	63.7		66.0	60.5	56.1		59.0	49.0
09:25	55.7		56.5	52.5	62.7		64.0	59.5	56.4		60.0	46.0
09:30	60.5	62.7	60.0	52.0	63.3	64.8	66.0	59.5	54.8	55.7	58.5	47.5
09:35	66.0		63.0	52.0	64.5		67.5	60.0	56.4		60.0	47.0
09:40	56.7		58.0	53.5	66.2		69.5	60.5	55.8		59.5	47.5
09:45	56.8	56.5	59.0	53.5	66.6	64.5	69.0	60.5	57.4	59.7	60.5	50.0
09:50	56.6		58.5	53.0	63.6		66.0	59.0	60.3		64.0	50.5
09:55	56.0		57.5	52.5	61.8		65.0	58.5	60.8		64.5	48.5
10:00	54.1	54.3	56.0	50.5	59.6	59.9	61.0	57.5	57.6	59.9	61.0	48.5
10:05	54.1		55.5	51.5	58.6		59.0	57.0	59.2		62.0	49.5
10:10	54.8		57.0	51.5	61.2		63.5	58.0	61.8		64.0	53.0
10:15	55.1	54.6	57.5	51.5	58.9	60.5	59.5	57.0	59.7	58.2	62.0	51.0
10:20	54.1		55.0	51.5	60.6		63.0	58.0	57.8		61.0	48.5
10:25	54.4		56.0	51.0	61.5		62.0	59.5	56.3		59.5	49.5
10:30	57.5	56.6	60.0	53.0	62.4	61.9	63.0	60.0	59.0	57.6	63.0	49.0
10:35	57.1		57.0	52.5	61.3		62.0	60.0	57.1		60.5	47.5
10:40	54.8		56.0	52.5	61.8		62.5	60.5	56.1		58.5	50.0
10:45	56.3	55.2	58.5	53.0	62.2	61.0	64.0	59.0	70.6	66.1	64.0	49.5
10:50	54.1		55.5	51.5	60.2		60.5	58.0	56.3		60.5	46.5
10:55	54.9		56.0	52.5	60.4		62.0	57.5	54.5		58.0	47.0
11:00	55.1	55.9	56.5	52.5	58.6	59.0	59.5	57.0	56.8	56.6	60.5	49.5
11:05	57.4		59.0	54.0	58.1		59.0	56.5	56.4		60.5	47.5
11:10	54.7		56.0	52.0	60.0		61.5	58.5	56.5		60.5	47.5
11:15	55.9	56.1	57.5	53.0	59.7	62.0	60.5	58.0	59.6	57.8	62.5	47.5
11:20	56.0		58.0	53.0	61.9		63.0	58.5	56.9		61.0	46.5
11:25	56.3		58.5	52.5	63.5		67.5	59.0	56.3		58.5	45.0
11:30	56.8	58.0	57.0	52.0	61.1	60.8	62.5	58.0	56.4	55.0	60.0	45.0
11:35	55.1		56.5	52.0	58.7		62.0	51.5	55.4		59.5	44.0
11:40	60.3		57.5	52.5	61.9		58.5	49.0	52.0		54.0	46.0
11:45	55.2	54.5	56.5	52.5	53.5	54.0	55.0	48.5	54.3	52.3	56.5	45.5
11:50	53.6		55.0	51.0	54.8		56.5	50.0	51.2		53.5	43.5
11:55	54.5		56.0	52.0	53.6		54.5	49.5	50.4		52.5	42.0
12:00	57.4	55.4	57.0	52.0	54.6	54.8	55.5	50.0	55.4	53.1	59.0	45.0
12:05	53.6		55.0	51.0	56.2		58.0	49.0	52.1		56.0	43.5
12:10	54.0		55.5	51.0	53.1		54.0	48.5	50.3		53.5	42.0
12:15	55.1	54.8	57.5	51.0	58.4	56.2	56.5	49.0	51.4	49.8	55.0	43.5
12:20	54.5		56.0	52.0	53.9		53.5	48.5	49.3		52.5	44.0
12:25	54.8		56.0	52.0	54.9		57.5	49.0	48.2		49.5	40.5
12:30	56.9	55.0	57.0	52.5	59.8	60.3	60.5	58.5	50.8	50.8	53.0	43.0
12:35	53.8		54.5	50.0	60.4		62.0	57.5	50.7		54.0	44.5
12:40	53.6		55.5	49.5	60.6		59.5	57.5	50.8		54.5	43.5
12:45	54.2	53.5	56.0	50.5	59.5	61.0	59.5	57.0	51.3	52.4	54.0	44.5
12:50	53.1		54.5	50.0	61.2		63.0	57.5	53.2		56.5	45.0
12:55	53.2		55.0	50.0	61.9		64.5	58.0	52.4		54.5	44.5

Baseline Data for Restricted Hour 0700-1900 Holiday

Date	19-Jan-2014				26-Jan-2014				31-Jan-2014			
	Time	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)
13:00	56.8		56.5	51.0	63.9		67.0	58.0	50.8		52.0	41.5
13:05	53.5	55.0	54.5	50.5	63.4	64.2	66.0	59.5	52.2	55.7	55.0	44.0
13:10	53.8		55.5	50.5	65.0		68.0	60.5	59.2		60.0	44.0
13:15	54.1		55.5	51.0	62.8		65.5	58.5	58.6		62.5	45.0
13:20	52.8	55.1	54.0	49.5	59.3	63.1	60.0	58.5	47.8	54.6	49.0	41.5
13:25	57.2		57.0	51.0	65.3		67.0	58.5	49.4		52.0	44.0
13:30	55.8		58.5	50.5	63.4		64.0	58.0	48.9		52.5	41.0
13:35	55.4	55.2	57.0	50.5	66.1	65.9	67.5	59.0	46.0	47.3	49.0	40.0
13:40	54.4		56.0	50.5	67.4		68.0	66.5	46.5		49.5	41.0
13:45	55.6		57.0	51.5	67.6		68.0	66.5	51.8		55.0	45.0
13:50	54.1	54.6	55.0	51.5	65.8	66.9	67.0	59.0	52.2	52.7	55.5	44.5
13:55	53.8		55.0	50.0	67.0		68.0	63.5	53.9		58.0	45.0
14:00	54.5		56.0	51.5	61.5		64.0	58.5	52.4		56.0	43.5
14:05	59.2	56.6	62.0	51.5	61.1	60.5	63.0	57.5	48.4	51.1	50.5	43.0
14:10	54.3		56.0	51.0	58.3		59.0	56.5	51.7		53.5	44.5
14:15	54.4		56.0	51.5	61.6		63.0	57.0	51.5		55.0	45.5
14:20	54.3	55.4	55.5	51.0	61.4	63.9	65.5	58.0	53.1	52.1	55.0	45.0
14:25	57.0		59.0	50.0	66.6		68.0	60.5	51.6		54.0	46.0
14:30	54.1		55.5	51.0	62.7		64.5	60.5	52.1		55.5	42.5
14:35	54.8	54.5	55.0	49.0	62.7	64.5	64.5	61.0	58.5	55.9	60.5	43.0
14:40	54.6		56.0	49.5	66.7		68.0	59.5	54.8		56.0	42.0
14:45	60.6		62.5	52.5	59.2		60.0	57.5	55.0		56.0	42.0
14:50	54.8	57.5	56.5	51.5	61.2	59.8	63.0	57.5	54.9	53.7	57.0	43.0
14:55	53.8		55.0	50.0	58.5		59.5	56.5	48.7		51.0	42.5
15:00	56.6		58.0	50.5	59.0		59.5	57.5	60.0		65.0	42.5
15:05	55.2	55.4	57.5	51.5	61.5	60.4	65.0	57.0	46.5	55.6	49.0	41.5
15:10	53.9		55.0	50.0	60.3		62.5	57.0	46.2		49.5	40.0
15:15	55.2		57.5	50.5	59.9		61.5	57.0	49.0		52.0	43.0
15:20	54.8	54.7	56.5	51.0	60.8	61.0	63.0	58.5	55.4	54.0	55.5	43.5
15:25	54.1		55.5	51.0	62.0		64.0	59.5	55.2		57.0	45.5
15:30	53.7		54.5	50.0	60.5		61.5	58.5	56.7		61.5	45.0
15:35	53.5	53.8	55.0	50.5	59.6	60.7	60.5	58.0	62.3	59.0	67.0	44.0
15:40	54.1		55.0	50.5	61.7		64.0	53.5	53.0		56.0	41.0
15:45	58.7		58.5	51.5	55.3		57.5	50.5	54.2		58.0	40.0
15:50	54.7	56.2	56.0	51.0	55.5	54.8	57.5	51.0	57.5	55.1	59.5	46.0
15:55	53.1		54.5	50.0	53.4		55.0	50.0	51.8		55.5	42.5
16:00	57.3		58.5	51.5	61.1		64.0	53.5	54.5		57.5	44.0
16:05	53.5	55.3	55.0	50.5	63.1	62.4	66.5	55.0	55.5	54.3	58.5	43.0
16:10	54.2		55.5	51.5	62.7		66.0	54.5	52.2		56.0	45.0
16:15	54.7		56.0	52.0	60.4		63.5	53.0	54.4		57.5	48.5
16:20	59.3	56.7	59.0	51.5	60.6	60.2	62.0	58.0	59.2	56.4	60.0	49.0
16:25	54.1		55.5	51.0	59.5		60.0	58.5	53.1		56.0	46.5
16:30	52.9		54.0	49.5	58.9		60.0	56.5	52.5		55.5	45.5
16:35	56.3	54.6	56.0	50.0	61.7	60.2	64.0	57.5	57.6	56.8	61.5	46.5
16:40	53.9		55.5	50.0	59.3		60.5	57.5	58.3		62.0	45.5
16:45	59.5		60.0	51.0	60.7		62.5	58.5	58.2		61.0	47.5
16:50	53.6	56.5	55.5	49.5	61.5	62.2	63.0	59.0	51.4	56.0	54.5	43.0
16:55	53.4		55.0	49.0	63.7		67.0	57.0	56.1		59.0	49.0
17:00	56.4		57.5	51.0	61.1		65.5	51.5	60.8		63.0	46.0
17:05	53.5	54.9	55.0	50.0	55.0	57.9	58.0	50.0	63.4	61.2	59.0	45.5
17:10	54.2		56.0	50.5	54.0		55.0	50.5	57.5		62.0	45.0
17:15	54.1		55.5	51.0	55.4		56.5	51.5	57.2		61.0	47.0
17:20	54.7	54.3	56.5	51.5	53.7	55.1	55.0	50.0	51.6	54.7	55.5	43.5
17:25	54.2		56.0	50.5	55.9		58.5	50.5	53.5		57.5	43.0
17:30	54.8		56.5	51.5	55.0		54.5	49.0	50.0		53.5	42.0
17:35	54.3	58.0	55.5	50.5	52.0	53.2	53.5	48.0	57.1	53.4	57.5	42.0
17:40	61.2		65.5	52.0	51.9		53.0	47.0	46.8		51.0	40.0
17:45	54.7		56.0	50.5	55.1		58.0	50.0	60.5		65.0	47.0
17:50	54.6	54.1	57.0	50.5	59.0	56.3	62.5	49.5	57.0	57.9	61.5	43.0
17:55	52.8		54.0	49.5	52.3		53.5	48.0	53.5		58.0	42.0
18:00	55.4		55.0	48.0	51.6		53.0	47.5	58.9		64.0	42.0
18:05	53.2	53.8	55.0	49.5	56.4	54.8	58.0	47.5	47.3	54.6	51.5	34.5
18:10	52.3		53.5	48.5	55.0		55.0	48.0	46.0		49.0	40.0
18:15	52.5		54.0	48.5	52.6		54.5	48.5	49.5		52.5	43.5
18:20	59.4	56.1	59.5	51.0	53.8	52.9	56.0	49.0	47.5	47.3	51.0	41.0
18:25	52.7		54.5	48.5	52.0		53.5	48.0	42.4		45.0	38.0
18:30	53.3		55.5	49.5	52.8		54.5	47.5	51.1		55.5	43.5
18:35	55.2	53.9	54.5	47.5	51.9	55.5	53.0	46.5	57.2	53.7	58.0	38.0
18:40	52.8		53.0	47.5	58.6		59.5	48.0	46.7		51.0	39.0
18:45	54.0		56.5	50.0	52.4		54.0	47.5	52.9		56.5	43.5
18:50	52.4	52.8	54.0	48.5	54.7	53.7	55.5	49.0	46.6	49.3	48.5	41.5
18:55	51.6		53.0	47.0	53.7		53.0	47.0	41.4		42.5	38.0

Note: Bold with italic were not take into account as a validate baseline data

Measurement undertaken free-field situation.

Raw Data

←@ ←2-5 -----

Br el & Kj
 Sound Level Meter Type 2238
 Logging BZ7124 ver. 1.2.0

 FILENAME: 001.M24

SETTINGS:

Serial no: 2285721
 Range: 32.0 - 112.0 dB
 Peaks Over: 140 dB
 2nd Exch. Rate: 4 dB
 Period Time: Normal
 Logged Every: 05:00
 Detector 1 (RMS)
 Bandwidth: Broad Band
 Freq. Wgt.: A
 Detector 2 (Br.Band)
 Weighting: Peak/C
 Sound Incidence: Frontal
 Windscreen Correction: Off

CALIBRATION:

Micr.: 2588103
 Sensitivity: -30.8 dB
 Date: 2013 Dec 23 18:13:39

OVERALL RESULTS:

Start Date 2014 Jan 17
 Start Time 16:52:52
 Elapsed Time 67:52:02
 Overload 0.0 %
 Underrange 0.0 %

RMS MEASUREMENT RESULTS:

Bandwidth: Broad Band
 Freq. Wgt.: A

 LFMax 95.1 dB
 LSMax 87.3 dB
 LIMax 98.4 dB
 LFMin 42.6 dB
 LSMin 49.6 dB
 LIMin 51.4 dB
 LAFTm5 61.2 dB
 Leq 56.3 dB
 LIeq 59.9 dB

PEAK MEASUREMENT RESULTS:

Freq. Wgt.: C

 #Peaks 0
 Lpkmax 115.2 dB

LOGGED RESULTS (1 of 1):

Marker	LAF10		LAFMin		LAFMax
	LAEq	LAF90	LAF90	LAFMax	
OU1234	dB	dB	dB	dB	dB
	61.4	64.5	49.5	44.5	81.7
	53.3	54.5	49.5	45.9	68.2
	52.3	53.5	48.5	44.5	61.7
	57.1	58.5	51.0	46.0	71.1
	54.8	57.0	51.5	46.6	66.3
	54.2	56.0	51.0	45.7	61.2
	53.9	55.0	51.5	46.5	61.4
	52.8	54.0	49.5	46.5	56.8
	57.7	61.5	51.0	46.8	71.4

Raw Data (N1).txt

57.4	61.0	49.5	45.4	71.3
58.9	59.0	49.5	45.7	77.6
59.7	59.0	50.5	45.3	79.4
60.5	63.0	51.0	46.5	77.9
60.0	64.5	51.5	45.3	70.2
58.0	62.0	52.0	46.4	68.8
58.2	61.5	50.0	44.8	69.9
56.1	59.5	49.5	44.9	69.5
54.8	57.0	51.0	45.3	61.9
58.7	61.0	53.0	48.1	73.8
55.2	55.0	49.5	45.3	72.1
56.2	59.0	52.0	47.3	62.5
54.0	55.5	51.0	46.7	62.1
55.2	57.0	50.0	45.6	70.6
59.3	59.5	52.0	46.8	74.9
54.1	55.5	50.5	47.1	63.6
52.6	54.0	49.0	46.8	59.0
56.8	58.5	51.0	46.1	70.5
56.2	59.0	50.0	45.3	71.2
58.2	62.5	51.0	45.8	70.7
53.6	54.5	49.5	45.0	68.9
52.2	53.5	48.5	44.8	57.1
52.5	54.0	48.5	44.7	57.0
51.8	53.0	47.5	44.3	55.4
55.6	54.5	48.5	44.2	70.8
52.8	54.5	48.5	44.2	58.8
53.8	56.0	50.0	46.5	60.3
53.1	55.0	49.0	46.2	59.0
55.0	57.5	50.0	45.8	62.9
55.7	56.0	48.5	44.6	71.3
54.8	57.0	51.0	45.7	63.5
53.5	56.0	48.0	44.2	63.1
53.4	55.0	50.0	45.6	57.4
52.9	54.5	49.0	44.6	61.4
55.1	57.0	49.5	44.5	68.8
57.9	60.5	50.0	44.5	71.6
52.0	53.5	48.5	44.6	56.5
53.0	55.5	48.5	44.1	59.3
53.4	54.5	49.0	44.0	72.7
52.8	54.0	49.5	45.7	58.1
53.1	55.5	48.5	44.9	60.1
51.7	53.0	47.5	44.2	54.7
53.3	54.5	50.5	47.4	58.0
59.2	59.0	49.5	45.5	75.8
52.8	55.0	48.5	44.3	59.0
54.5	56.5	50.5	45.9	67.7
56.9	60.5	50.0	44.9	68.7
56.7	58.0	49.5	44.8	70.6
55.0	54.5	48.5	44.7	71.2
53.0	55.0	49.0	44.5	59.5
54.6	57.0	51.0	45.5	60.4
54.7	57.5	50.0	44.3	64.5
53.4	55.5	49.5	44.9	60.4
56.4	57.0	50.0	46.1	70.9
55.0	59.0	48.0	44.1	64.2
52.1	54.0	47.5	44.2	56.6
54.0	56.0	50.0	44.7	61.2
52.3	53.5	48.0	44.2	61.0
53.0	55.0	49.0	43.9	61.1
53.2	55.5	49.0	46.5	60.2
56.3	57.5	49.5	45.9	70.0
54.7	57.0	50.0	44.7	64.8
53.5	55.0	50.5	44.5	58.9
52.3	53.5	48.5	45.0	59.7
52.6	54.0	48.5	44.9	62.0
56.5	56.5	50.0	45.2	70.7
51.7	53.0	47.5	44.4	55.0
53.1	54.5	50.0	44.5	57.5
53.4	55.0	50.0	46.1	60.5
51.9	53.0	48.0	45.1	54.7
53.1	55.0	48.5	45.4	61.2
54.0	56.0	50.0	45.2	62.1
52.4	54.0	48.5	45.0	56.6
53.2	55.5	49.0	44.8	58.2
51.8	53.0	47.5	44.6	56.2

Raw Data (N1).txt

51.9	53.0	48.0	44.7	55.3
52.6	54.5	48.0	44.9	59.8
52.2	54.0	48.0	44.6	57.0
51.9	53.0	48.0	45.6	55.2
53.2	55.5	49.0	46.1	60.7
53.6	55.0	50.0	46.8	62.2
52.0	53.5	48.0	45.1	55.9
54.5	56.5	50.5	46.0	61.2
56.7	60.5	49.0	45.1	64.7
51.5	53.0	47.5	45.1	54.0
52.7	54.5	48.5	45.5	57.9
52.4	54.0	49.0	45.3	56.4
52.1	53.5	48.0	45.4	57.6
52.5	54.0	48.5	45.4	62.0
51.8	53.0	47.5	44.4	57.0
51.3	52.5	47.0	44.2	54.1
53.1	56.0	48.0	44.4	63.6
52.3	54.5	47.5	44.2	59.8
51.4	52.5	47.0	44.4	53.7
51.3	52.5	47.0	44.5	54.1
51.8	53.5	48.0	44.2	55.1
51.4	52.5	47.0	44.6	53.6
52.7	54.5	48.5	44.6	57.9
52.7	54.5	48.5	44.2	57.8
51.1	52.5	46.0	43.7	53.6
51.2	52.5	46.5	43.6	53.8
51.7	53.0	47.0	43.7	56.3
51.2	52.5	46.5	43.9	53.6
52.2	54.5	47.0	43.9	58.5
51.1	52.5	46.0	43.5	53.9
51.1	52.5	46.0	43.7	62.4
52.7	55.0	47.5	44.1	60.0
51.2	52.5	46.5	43.7	53.7
51.6	53.0	47.5	44.7	54.2
51.6	53.0	47.5	43.7	55.8
52.3	54.5	47.5	43.8	59.3
53.0	54.5	49.0	45.4	57.7
52.7	54.0	49.0	45.8	57.9
52.0	53.5	47.5	44.7	55.5
52.1	53.5	48.5	45.8	55.4
52.3	53.5	49.0	45.8	55.6
51.8	53.0	48.0	44.5	56.9
52.2	53.0	48.0	44.9	63.8
52.1	53.5	48.0	45.2	56.7
53.1	54.5	50.0	45.8	58.4
51.5	53.0	47.5	45.1	53.7
53.2	55.5	49.0	45.5	59.4
52.9	54.5	49.0	45.1	58.3
51.5	53.0	47.0	44.7	55.1
51.5	53.0	47.5	45.0	53.9
51.5	53.0	47.0	44.8	54.7
51.8	53.0	48.0	45.2	54.3
52.1	53.5	48.5	45.4	58.1
52.1	53.5	48.5	45.0	55.3
51.6	53.0	47.5	45.3	54.2
52.0	53.5	48.0	45.2	55.8
52.2	53.5	48.5	45.4	56.9
51.8	53.0	48.0	45.2	56.5
53.3	56.0	48.5	45.8	60.3
51.9	53.0	48.0	45.9	55.3
52.2	53.5	49.0	46.7	54.5
53.0	54.5	50.0	47.1	58.2
55.2	57.0	52.0	47.3	62.1
52.3	53.5	49.0	45.9	56.1
51.7	53.0	47.5	45.3	56.4
55.9	58.5	50.0	44.8	62.0
52.8	54.5	49.0	45.8	58.1
51.3	52.5	46.5	44.1	54.2
51.3	52.5	46.5	44.2	53.9
51.3	52.5	46.5	44.2	57.3
51.1	52.5	46.5	44.1	53.3
51.1	52.5	46.0	43.8	53.5
51.1	52.5	46.0	43.8	53.9
51.1	52.5	46.0	43.7	53.6
51.5	53.0	47.0	43.7	55.8

Raw Data (N1).txt

52.2	53.5	48.5	44.9	55.9
51.9	53.5	47.5	44.0	57.1
51.1	52.5	46.5	44.0	54.0
51.9	53.5	47.5	44.3	57.5
51.9	53.0	48.0	44.5	55.8
51.4	52.5	47.0	43.9	61.1
51.9	53.5	48.0	44.0	61.2
51.8	53.0	47.5	45.0	56.3
51.3	52.5	46.5	44.1	55.0
51.6	53.0	47.5	44.1	55.8
51.5	53.0	47.0	44.1	55.4
52.1	53.5	48.0	44.2	60.7
53.3	55.0	50.0	46.1	58.0
54.4	56.5	50.5	46.9	63.0
53.9	55.5	51.0	46.7	61.5
52.8	54.0	49.5	45.3	62.2
55.2	58.0	50.5	46.7	66.2
55.5	58.0	52.0	47.7	68.5
54.1	55.5	51.0	47.3	66.3
55.1	57.0	51.5	47.5	63.4
55.1	56.5	51.5	48.0	66.8
54.3	55.5	50.0	46.5	71.2
55.5	57.5	51.0	47.4	69.2
54.6	56.5	51.5	46.9	66.0
57.6	60.0	51.0	48.0	73.1
56.4	58.5	50.0	45.9	73.2
55.0	56.5	51.5	46.1	64.7
53.7	55.0	49.5	45.7	68.8
56.4	58.5	53.0	48.4	64.8
56.8	59.5	51.5	45.0	65.1
56.3	59.5	50.5	45.1	66.8
56.4	58.0	50.5	46.8	73.7
59.1	62.5	51.0	46.6	74.4
56.9	58.0	52.0	48.8	73.1
53.3	55.5	49.0	45.6	59.8
56.4	59.5	50.5	46.7	68.3
57.4	61.0	51.0	47.3	66.8
59.9	62.0	51.0	46.3	74.0
57.5	60.0	53.5	50.2	67.4
63.5	61.0	52.0	47.0	89.3
55.9	58.5	51.0	45.4	67.6
58.4	61.0	53.0	48.0	69.9
55.3	57.0	50.0	44.9	67.0
58.8	62.5	51.5	45.6	68.2
58.0	62.5	50.0	45.7	69.4
55.0	56.5	51.0	47.0	69.2
56.1	57.5	51.5	47.0	70.8
55.6	58.0	51.0	47.0	67.2
60.9	62.5	52.0	47.3	79.4
56.1	57.5	51.0	46.2	71.4
56.1	57.0	51.5	47.6	73.1
57.3	60.5	51.5	46.0	63.8
58.1	61.0	50.0	45.8	73.2
53.0	54.5	49.5	45.8	66.7
54.3	55.0	50.0	45.5	76.2
54.3	56.0	51.0	46.6	69.3
55.0	56.0	52.5	47.7	65.4
53.6	55.0	50.5	46.0	62.0
53.8	55.5	50.5	46.3	63.8
54.9	57.5	51.0	46.1	62.9
54.4	56.5	50.0	45.5	64.1
59.7	61.5	53.5	49.3	73.8
54.4	55.5	51.5	47.9	64.2
53.7	55.0	50.5	46.8	64.1
54.4	55.5	50.5	46.2	65.3
56.4	58.5	49.5	45.5	70.1
53.7	56.5	48.5	44.6	61.1
53.0	54.5	49.0	44.4	62.2
58.8	58.0	51.0	46.4	74.7
54.5	54.0	49.0	45.5	70.9
53.5	55.5	49.5	45.1	61.1
56.4	57.0	50.0	45.4	69.6
56.2	59.0	50.5	45.7	72.1
58.9	58.5	50.0	45.8	75.2
55.2	57.0	51.5	47.7	61.0

Raw Data (N1).txt

55.4	56.5	51.5	48.6	70.2
55.2	57.0	51.0	47.0	68.5
56.4	56.0	49.0	45.4	71.8
52.4	53.5	48.5	45.7	66.4
59.2	57.5	50.0	46.5	75.1
52.4	54.0	48.5	44.7	59.9
52.6	54.0	49.0	45.3	61.9
52.9	54.0	49.5	45.2	64.8
57.2	59.5	51.0	44.9	70.5
52.1	53.5	48.5	45.1	55.3
58.7	58.5	50.0	45.2	74.9
55.0	56.5	51.5	46.4	66.2
54.6	56.0	50.0	45.8	66.8
56.1	59.0	52.0	45.8	66.4
58.9	61.5	52.0	46.0	71.0
52.8	54.0	49.0	45.3	59.9
55.3	57.0	51.5	47.0	66.3
54.3	56.0	51.0	47.4	64.1
52.5	53.5	49.0	45.2	59.5
52.4	53.5	48.0	44.5	61.5
53.6	55.0	50.5	46.0	59.8
54.2	55.0	50.0	46.7	67.7
59.4	60.5	51.5	45.7	73.0
54.9	56.5	52.0	49.4	63.9
54.4	57.0	49.5	44.7	64.9
52.6	54.0	48.5	45.2	59.8
56.4	56.0	50.5	45.5	70.5
54.1	57.0	50.0	44.9	61.7
55.2	58.5	50.0	46.5	65.8
54.2	56.5	50.5	46.5	61.3
58.8	58.0	50.0	46.2	75.2
54.7	56.5	50.5	45.8	63.3
55.7	54.0	49.0	46.1	71.1
54.9	56.5	50.5	45.0	67.8
54.8	56.5	51.0	47.0	67.1
54.0	56.0	50.0	45.8	61.0
52.7	54.0	49.5	45.4	56.4
53.6	55.5	49.5	45.3	62.9
54.2	56.0	51.0	45.7	60.3
52.7	54.0	49.0	46.1	63.2
53.7	55.5	49.5	45.3	66.3
54.0	55.0	51.0	47.5	66.8
53.7	56.0	50.0	45.7	60.0
58.9	59.0	50.5	46.3	74.1
53.2	54.5	49.0	45.4	73.7
54.3	56.0	50.5	46.3	69.1
57.1	58.0	50.5	46.0	72.2
53.5	55.0	50.0	45.5	65.0
53.3	54.5	50.5	46.9	62.4
54.7	57.0	50.5	46.2	64.0
59.6	59.0	50.5	45.7	75.1
53.7	55.0	51.0	48.1	61.3
55.4	57.0	51.0	46.7	75.5
55.5	58.0	52.0	48.4	70.5
57.5	58.5	53.0	49.5	69.8
54.0	55.5	51.0	47.4	68.5
52.4	53.5	49.0	46.5	58.9
52.3	54.0	48.5	45.0	57.0
53.8	56.5	49.0	44.4	60.4
54.9	57.0	52.0	47.7	59.3
56.3	58.0	50.5	46.7	71.5
54.0	56.5	50.0	46.1	62.3
53.1	54.5	50.0	46.9	60.3
59.9	60.5	51.0	47.2	76.0
54.6	56.5	50.5	45.5	61.1
55.5	57.5	50.5	47.4	67.7
53.3	55.0	50.0	46.9	57.7
56.5	56.0	51.5	47.6	69.9
55.2	56.5	51.0	47.5	68.9
51.7	53.0	47.5	44.3	57.1
52.6	54.5	48.0	45.0	59.1
58.7	59.0	51.0	45.7	72.6
53.6	56.0	49.0	44.9	60.9
54.5	56.5	50.0	44.9	60.7
57.1	58.5	49.5	45.5	71.0

Raw Data (N1).txt

53.7	55.0	48.5	44.3	67.9
53.5	56.0	49.0	44.8	59.8
54.1	56.0	51.0	47.1	59.2
54.1	56.0	51.0	46.7	61.2
52.6	54.0	49.0	45.1	56.7
56.0	55.5	49.0	44.6	70.1
52.8	54.5	48.5	44.5	58.2
54.5	56.5	51.5	46.9	61.3
52.9	54.5	49.5	45.7	57.7
53.0	54.5	50.0	44.8	57.4
52.0	53.5	48.0	44.7	57.0
56.7	57.0	50.5	45.6	71.2
51.5	53.0	47.0	43.9	55.8
52.4	54.0	48.0	44.3	57.1
52.9	54.5	49.0	45.0	58.6
54.2	56.5	49.5	45.7	62.6
53.6	55.5	49.5	45.6	60.1
56.9	60.0	49.0	45.1	70.8
53.4	53.5	48.5	44.3	66.3
54.3	56.0	51.0	47.4	62.8
54.3	55.5	51.5	47.6	58.5
53.3	54.5	50.5	47.3	57.8
53.3	56.0	48.5	44.5	60.2
51.8	53.0	47.5	44.1	57.3
51.4	53.0	47.0	43.7	53.9
59.3	59.5	49.5	44.7	74.0
53.1	54.5	49.5	45.1	58.1
51.4	53.0	47.0	43.6	54.5
52.8	55.5	47.5	43.4	61.8
56.4	57.5	49.0	44.1	71.6
51.8	53.0	48.0	44.0	56.6
52.5	54.0	49.0	45.4	60.9
54.8	57.5	50.5	46.7	60.2
53.8	56.5	49.0	44.9	60.8
56.3	55.5	49.0	44.1	71.0
53.9	56.0	49.0	43.9	65.1
52.2	54.0	48.0	43.8	57.3
53.3	55.5	48.5	44.0	60.3
55.2	57.5	51.0	46.3	62.4
51.9	53.5	47.5	43.9	57.5
52.8	54.5	49.0	44.7	64.6
56.4	56.5	48.5	44.2	72.6
51.8	53.0	48.0	44.1	54.9
53.1	55.5	48.5	44.4	60.2
54.7	55.5	50.0	45.1	73.6
52.3	54.0	48.5	44.7	56.5
55.1	55.0	47.5	44.3	71.4
52.2	53.5	48.0	44.9	61.0
52.4	54.0	49.0	45.1	56.8
53.4	55.0	49.5	45.7	61.1
53.9	56.0	50.0	46.2	66.3
52.4	53.5	48.5	44.9	60.7
52.5	54.0	48.5	45.0	57.5
55.8	57.0	50.0	46.6	69.0
52.2	53.5	48.5	45.6	67.7
53.9	55.5	51.0	46.4	59.3
53.0	54.5	49.5	46.3	61.6
52.5	53.5	49.0	45.5	62.9
54.3	56.5	50.0	46.4	64.1
54.3	56.0	51.5	47.8	58.5
53.1	54.5	50.0	47.2	57.3
53.1	54.5	50.5	46.7	56.6
55.7	58.0	51.5	47.3	65.1
52.8	54.0	49.5	46.3	57.2
53.5	55.5	49.0	45.7	62.8
52.7	54.0	49.0	45.7	66.1
53.4	55.5	49.0	45.0	64.1
54.1	57.0	50.0	45.7	63.9
53.7	55.0	51.0	46.8	58.4
54.0	56.0	50.5	46.1	59.9
53.0	54.5	49.5	45.3	59.7
53.0	54.5	49.5	46.3	60.4
52.5	53.5	49.0	46.5	57.3
53.2	55.5	49.0	45.5	59.1
54.8	56.5	52.0	49.0	60.3

Raw Data (N1).txt

53.0	54.0	50.0	46.9	56.8
54.1	56.0	50.0	47.1	66.4
57.2	59.0	54.5	50.4	64.2
53.0	54.5	49.5	46.1	59.0
54.2	56.5	50.5	47.0	61.8
54.7	56.5	52.0	48.1	60.6
53.7	55.0	51.0	47.9	59.9
57.0	60.0	52.0	48.0	67.5
53.0	54.5	49.5	46.6	58.5
52.6	54.0	49.5	46.5	55.4
52.9	54.5	49.5	44.9	57.1
52.9	54.5	49.5	46.4	57.4
51.8	53.0	48.0	45.3	55.7
52.0	53.0	48.5	45.7	55.4
52.1	53.5	48.0	45.0	58.4
53.1	55.0	48.5	45.2	61.1
52.8	55.5	47.0	44.1	60.0
51.6	53.0	47.0	43.9	58.4
51.2	52.5	46.5	43.9	53.7
51.4	53.0	47.0	43.9	54.5
51.5	53.0	47.5	44.6	54.7
51.1	52.5	46.0	43.6	53.6
51.1	52.5	46.5	43.5	53.6
51.7	53.5	46.5	43.5	56.8
51.0	52.5	46.0	43.5	53.4
50.9	52.5	45.5	43.3	53.5
50.9	52.5	45.5	43.4	53.1
50.9	52.5	45.5	43.5	53.5
51.1	52.5	46.5	42.6	53.6
51.9	53.5	47.5	44.5	56.5
51.3	52.5	46.5	44.0	57.9
50.9	52.5	46.0	43.6	53.2
51.7	53.0	47.5	43.9	58.2
53.1	56.5	46.5	43.8	63.4
52.0	53.5	48.0	44.2	60.2
51.8	53.0	47.5	44.8	57.0
51.5	53.0	47.5	45.0	54.1
55.7	58.5	51.0	47.2	62.2
52.1	53.5	48.5	45.7	55.9
53.8	56.0	50.0	46.2	61.1
52.8	54.0	49.5	47.2	57.1
52.5	54.0	49.0	46.4	56.1
52.1	53.0	48.5	46.5	56.4
52.1	53.5	48.5	46.4	57.3
52.4	54.0	49.0	46.2	57.6
52.3	53.5	49.0	46.1	57.2
51.9	53.0	48.0	45.9	54.5
53.2	55.0	49.5	46.0	59.5
51.9	53.0	48.0	45.7	55.4
52.9	54.5	49.0	45.6	59.6
52.0	53.0	48.5	46.2	56.5
52.9	54.5	49.5	46.4	59.5
52.2	53.5	49.0	46.5	55.7
51.7	53.0	47.5	45.1	54.5
51.3	52.5	47.0	44.2	53.9
51.5	53.0	47.5	44.5	54.5
52.5	53.5	49.5	46.4	55.9
51.8	53.0	48.0	45.1	54.6
51.4	52.5	47.0	44.9	54.3
52.1	53.5	48.5	45.9	58.0
53.0	54.5	49.5	45.8	58.4
52.6	54.0	49.5	46.6	57.1
52.7	54.0	49.5	47.1	56.9
53.3	54.5	50.5	47.7	56.3
53.0	54.5	50.0	46.9	58.1
53.3	54.5	50.5	47.5	59.6
51.5	53.0	47.5	45.0	54.0
52.2	53.5	48.0	44.5	60.7
53.3	55.5	49.5	46.2	60.2
54.8	57.5	50.0	45.4	63.3
52.2	53.5	48.5	45.5	57.1
51.9	53.5	48.0	44.6	55.5
52.6	54.0	49.0	45.7	59.9
53.1	54.5	50.0	46.7	56.8
54.7	57.0	51.5	48.1	61.3

Raw Data (N1).txt

55.4	57.5	51.5	48.3	70.9
53.6	55.0	50.5	46.5	61.8
55.2	57.0	52.5	49.6	66.0
54.2	55.0	51.5	48.1	67.9
55.4	57.0	52.5	49.8	68.5
55.3	56.0	52.5	49.5	71.0
54.6	56.0	51.5	47.9	65.0
55.1	56.5	52.5	49.8	66.6
56.7	58.5	54.0	49.9	68.8
54.3	55.5	51.5	48.0	64.0
54.8	56.0	51.5	48.5	64.8
57.2	60.5	52.0	48.9	65.4
54.4	56.0	51.5	48.5	61.8
56.2	57.5	54.0	50.6	64.1
54.8	55.5	52.5	49.3	64.2
55.0	56.5	52.5	50.3	60.6
55.6	57.0	53.0	49.0	63.9
55.4	57.0	51.5	49.1	68.9
54.0	55.0	51.0	47.9	64.6
55.8	57.5	53.0	49.9	65.0
55.3	56.5	52.5	48.9	65.4
55.6	57.0	52.5	49.3	65.5
57.4	60.0	53.5	50.0	69.4
55.6	57.0	53.0	50.1	66.0
57.6	60.5	53.5	50.6	70.6
57.3	59.0	53.5	49.3	69.1
54.9	56.0	53.0	49.9	60.4
56.3	58.0	54.0	50.6	63.5
55.7	56.5	52.5	49.2	70.5
60.5	60.0	52.0	48.3	85.0
66.0	63.0	52.0	49.8	95.1
56.7	58.0	53.5	49.7	72.4
56.8	59.0	53.5	49.3	66.3
56.6	58.5	53.0	49.6	65.3
56.0	57.5	52.5	48.6	69.4
54.1	56.0	50.5	47.8	66.2
54.1	55.5	51.5	48.4	60.8
54.8	57.0	51.5	48.2	61.2
55.1	57.5	51.5	47.9	62.1
54.1	55.0	51.5	47.5	62.6
54.4	56.0	51.0	47.4	64.5
57.5	60.0	53.0	49.8	76.0
57.1	57.0	52.5	49.5	73.6
54.8	56.0	52.5	49.3	64.3
56.3	58.5	53.0	49.8	66.7
54.1	55.5	51.5	48.9	58.2
54.9	56.0	52.5	49.9	64.8
55.1	56.5	52.5	49.2	64.1
57.4	59.0	54.0	50.8	65.1
54.7	56.0	52.0	49.2	61.6
55.9	57.5	53.0	49.9	69.6
56.0	58.0	53.0	49.5	64.2
56.3	58.5	52.5	50.0	65.3
56.8	57.0	52.0	49.2	71.8
55.1	56.5	52.0	48.7	64.8
60.3	57.5	52.5	50.1	77.0
55.2	56.5	52.5	48.7	64.4
53.6	55.0	51.0	48.6	57.8
54.5	56.0	52.0	49.1	63.1
57.4	57.0	52.0	48.3	72.9
53.6	55.0	51.0	47.7	63.1
54.0	55.5	51.0	47.7	60.7
55.1	57.5	51.0	47.1	63.9
54.5	56.0	52.0	48.4	59.6
54.8	56.0	52.0	49.5	65.8
56.9	57.0	52.5	49.1	73.6
53.8	54.5	50.0	47.2	67.1
53.6	55.5	49.5	46.9	64.2
54.2	56.0	50.5	46.9	62.7
53.1	54.5	50.0	47.1	64.6
53.2	55.0	50.0	46.5	59.1
56.8	56.5	51.0	47.5	72.5
53.5	54.5	50.5	47.3	63.7
53.8	55.5	50.5	47.5	59.5
54.1	55.5	51.0	46.4	60.4

Raw Data (N1).txt

52.8	54.0	49.5	46.7	57.5
57.2	57.0	51.0	46.6	75.1
55.8	58.5	50.5	46.8	61.7
55.4	57.0	50.5	47.0	73.5
54.4	56.0	50.5	46.8	65.4
55.6	57.0	51.5	46.6	69.1
54.1	55.0	51.5	47.9	60.7
53.8	55.0	50.0	46.7	66.5
54.5	56.0	51.5	47.1	63.2
59.2	62.0	51.5	47.7	75.7
54.3	56.0	51.0	47.2	64.1
54.4	56.0	51.5	47.5	60.9
54.3	55.5	51.0	47.2	66.3
57.0	59.0	50.0	47.4	71.4
54.1	55.5	51.0	47.2	62.3
54.8	55.0	49.0	45.7	71.2
54.6	56.0	49.5	46.9	71.8
60.6	62.5	52.5	48.5	77.7
54.8	56.5	51.5	48.1	65.7
53.8	55.0	50.0	46.2	65.5
56.6	58.0	50.5	47.1	71.9
55.2	57.5	51.5	48.0	65.1
53.9	55.0	50.0	46.5	66.3
55.2	57.5	50.5	46.8	70.2
54.8	56.5	51.0	48.0	65.1
54.1	55.5	51.0	46.7	70.3
53.7	54.5	50.0	46.3	65.7
53.5	55.0	50.5	47.6	58.4
54.1	55.0	50.5	46.5	65.1
58.7	58.5	51.5	46.6	73.4
54.7	56.0	51.0	47.2	65.3
53.1	54.5	50.0	46.8	69.4
57.3	58.5	51.5	48.4	71.8
53.5	55.0	50.5	47.5	59.5
54.2	55.5	51.5	48.4	62.5
54.7	56.0	52.0	48.3	60.4
59.3	59.0	51.5	47.8	75.1
54.1	55.5	51.0	47.3	62.0
52.9	54.0	49.5	46.4	60.4
56.3	56.0	50.0	46.7	72.7
53.9	55.5	50.0	46.7	63.9
59.5	60.0	51.0	45.9	74.3
53.6	55.5	49.5	46.4	65.3
53.4	55.0	49.0	45.3	63.6
56.4	57.5	51.0	47.0	69.8
53.5	55.0	50.0	46.9	63.3
54.2	56.0	50.5	47.6	66.2
54.1	55.5	51.0	47.7	67.5
54.7	56.5	51.5	47.7	65.9
54.2	56.0	50.5	47.0	67.0
54.8	56.5	51.5	47.5	64.8
54.3	55.5	50.5	47.9	68.2
61.2	65.5	52.0	47.6	73.2
54.7	56.0	50.5	46.3	67.0
54.6	57.0	50.5	46.2	62.1
52.8	54.0	49.5	46.7	58.2
55.4	55.0	48.0	44.3	70.3
53.2	55.0	49.5	45.8	58.8
52.3	53.5	48.5	44.4	56.9
52.5	54.0	48.5	44.5	56.4
59.4	59.5	51.0	46.2	75.6
52.7	54.5	48.5	44.4	57.0
53.3	55.5	49.5	44.6	60.0
55.2	54.5	47.5	44.2	72.6
52.8	53.0	47.5	43.7	65.8
54.0	56.5	50.0	45.1	62.5
52.4	54.0	48.5	44.6	56.3
51.6	53.0	47.0	43.5	55.0
56.1	55.5	48.5	44.3	73.6
51.6	53.0	47.0	44.2	55.8
51.4	52.5	47.0	44.0	55.2
52.6	54.0	49.0	45.9	57.1
53.1	55.0	49.0	44.7	59.4
51.7	53.0	47.5	43.8	55.8
55.5	55.5	49.0	45.0	71.4

Raw Data (N1).txt

	51.9	53.5	48.0	44.5	60.4
	52.7	55.0	47.5	44.2	60.4
	54.9	57.5	50.0	45.7	66.2
	51.9	53.0	48.0	44.7	58.0
	52.5	54.0	48.0	44.1	65.0
	53.6	56.5	49.0	44.5	62.3
	51.1	52.5	46.0	43.7	55.5
	58.7	58.0	47.5	44.3	75.5
	54.1	56.0	51.0	46.0	60.9
	52.6	54.0	48.5	44.6	58.6
	54.8	57.5	50.0	45.3	62.7
	55.8	56.5	47.5	44.1	72.4
	51.7	53.0	47.0	44.2	63.9
	51.2	52.5	46.5	44.0	56.5
	54.8	57.0	50.5	44.8	73.0
	51.8	53.0	48.0	44.1	55.8
	52.7	55.0	47.5	44.3	59.8
	52.5	54.0	48.5	45.4	61.2
	55.7	56.5	50.0	45.6	72.5
	52.6	54.0	48.0	45.3	59.3
	55.1	56.5	51.5	48.3	72.2
0	53.5	55.0	50.0	46.0	65.4
	55.5	56.5	49.5	46.0	73.2
	56.9	57.5	51.0	46.1	72.2
	52.3	53.5	48.5	46.0	56.8
	53.7	55.0	49.5	46.4	66.3
	56.1	58.5	52.0	47.1	64.8
	53.5	55.0	50.5	47.6	62.5
	52.6	54.0	49.0	46.6	59.9
	56.6	58.5	51.5	46.7	71.0
	53.7	55.0	50.5	46.3	64.2
	54.5	56.5	51.0	47.4	63.2
0	55.5	57.5	51.5	47.6	68.0
	58.6	61.5	53.0	47.9	75.3
	59.7	62.5	54.0	50.6	74.0
0	58.6	60.5	53.5	49.4	72.7
	59.7	63.0	53.5	49.8	72.3
	55.7	57.0	52.0	48.5	69.7
	58.4	60.5	52.5	48.7	74.0
	55.3	57.0	51.5	47.4	67.5
	56.0	57.5	51.5	47.3	71.7
	57.1	59.5	52.0	48.9	74.2
	54.8	56.5	51.5	47.3	65.4
	54.9	56.5	51.0	47.7	65.5
	55.2	56.5	52.5	49.0	63.6
	55.6	57.5	52.0	48.6	65.9
0	57.3	59.5	53.5	50.1	69.2
	56.6	59.0	53.5	51.3	68.8
	55.9	57.0	54.0	50.3	61.9
	55.4	56.5	53.5	50.4	60.6
	56.3	57.5	54.5	52.2	61.9
	56.9	58.5	54.5	50.9	63.5
	58.6	60.0	56.0	53.8	68.6
0	60.3	62.5	56.5	53.6	70.7
	62.4	65.5	57.0	54.8	73.7
0	61.9	64.0	57.5	52.2	75.7
0	62.0	64.0	57.5	54.4	75.9
0	62.3	65.0	56.5	53.7	75.4
0	59.0	61.0	54.5	50.7	73.2
0	61.0	63.0	54.5	50.5	78.0
0	61.4	63.5	55.0	51.5	79.5
0	61.1	63.0	57.0	54.1	76.8
	59.0	60.5	56.0	52.6	70.1
	57.9	59.5	55.5	53.4	69.5
0	60.0	62.0	55.5	51.6	74.0
	59.9	62.5	55.5	52.7	72.1
	60.5	63.0	56.0	53.0	71.5
	59.3	62.0	56.0	53.0	71.4
	56.9	58.0	55.0	52.9	65.6
	59.7	61.5	56.5	54.3	71.1
0	60.2	63.0	55.0	52.0	75.9
	58.1	60.5	54.5	51.3	68.8
	56.8	58.5	53.5	50.4	67.3
	56.8	58.5	53.5	50.6	67.9
0	61.2	60.5	54.0	50.3	81.3

	57.2	58.5	54.5	51.6	68.4
	56.5	58.0	54.0	51.3	67.9
0	56.6	58.0	53.5	50.4	68.2
	57.7	58.5	54.0	51.2	74.1
	57.5	59.0	53.5	50.6	72.2
	56.3	58.0	53.5	51.1	65.0
	56.2	58.0	53.5	50.3	65.9
	55.8	57.0	53.5	50.7	63.7
	56.7	59.0	53.5	50.1	66.8
	56.7	58.5	54.0	51.8	65.8
	57.3	59.0	54.5	51.6	70.0
	55.9	57.5	53.5	51.3	62.7
	56.6	57.5	54.5	51.7	69.9
	56.8	58.5	54.0	51.7	65.6
	57.3	59.5	54.0	51.3	67.2
0	57.9	60.0	54.5	52.2	66.8
	59.4	61.0	56.0	53.6	70.0
0	58.0	59.5	56.0	54.3	66.9
	58.2	60.0	55.5	52.8	69.1
	56.7	58.0	54.5	51.6	66.3
0	58.2	58.5	54.5	50.8	73.1
	61.0	62.5	56.5	51.9	77.2
	59.5	61.5	56.0	52.7	74.0
	58.7	60.5	55.5	51.7	68.6
	58.1	59.5	55.5	52.9	67.3
	59.7	61.5	57.0	54.9	69.9
	58.7	60.5	55.5	52.7	70.7
	57.8	60.0	54.5	52.2	67.9
	57.1	58.5	55.0	52.8	63.5
	58.2	60.5	55.0	53.0	68.2
0	57.9	59.5	55.0	51.9	70.1
	59.7	62.0	56.5	53.5	72.0
	57.5	59.0	55.0	52.4	64.5
	57.7	59.0	55.5	53.0	71.4
	59.0	60.5	56.0	53.8	71.5
0	60.4	63.0	55.0	52.1	74.4
0	62.0	64.5	56.5	52.2	74.0
0	63.3	64.0	56.0	51.8	84.1
0	63.3	66.0	57.5	54.3	78.4
0	66.5	67.0	58.5	56.4	85.9
	62.4	65.0	58.0	55.6	73.1
0	63.2	66.0	58.5	55.7	74.6
0	61.8	64.0	57.5	54.9	76.2
0	64.5	66.5	58.5	55.5	81.7
0	64.4	67.5	57.5	55.2	77.9
0	64.3	66.5	57.0	52.8	80.4
	62.3	65.0	57.0	53.8	75.8
0	62.7	65.5	57.0	54.9	77.7
0	63.7	67.0	57.5	54.8	79.3
	60.7	62.5	57.0	55.1	75.0
0	62.5	65.0	58.0	55.5	74.8
0	63.4	65.5	58.0	55.4	77.2
0	62.3	65.0	57.0	53.8	75.5
0	62.3	64.0	57.5	54.7	77.1
0	61.1	63.0	57.0	54.5	72.9
	61.2	64.0	56.0	53.4	73.4
0	61.8	62.0	56.0	52.9	79.6
0	59.2	61.5	56.0	52.4	73.2
	60.6	62.5	57.0	54.7	73.1
0	61.8	65.0	56.0	53.2	75.2
0	60.3	62.0	56.0	51.9	73.8
0	60.6	62.5	55.5	52.6	77.2
0	62.3	65.5	56.5	52.4	78.4
	61.3	64.0	56.0	53.5	74.5
0	60.5	62.5	55.5	53.0	76.2
0	61.2	63.0	56.0	53.1	78.0
0	60.5	63.0	55.5	52.5	73.2
0	59.6	61.5	55.0	52.0	75.9
0	61.6	63.0	56.0	52.8	79.0
0	61.6	63.5	55.5	52.6	78.4
0	60.3	63.5	54.5	51.3	74.6
	59.2	61.5	55.0	51.9	71.3
	59.0	61.5	55.0	52.6	71.7
	59.5	61.5	55.5	53.5	72.5
	59.0	61.5	55.5	51.7	70.7

Raw Data (N1).txt

56.4	58.0	54.0	50.4	63.2
58.1	60.0	55.0	52.7	70.0
57.8	59.0	55.5	53.7	66.7
57.9	59.5	55.5	53.6	66.4
61.3	65.0	56.5	54.2	71.1
60.0	63.0	55.5	52.8	75.4
56.6	58.0	54.0	52.4	66.9
59.4	62.0	55.0	51.8	71.7
59.0	62.0	54.5	51.6	72.5
61.9	61.5	55.0	52.6	91.8
59.2	63.0	54.0	51.3	70.6
56.0	57.5	54.0	51.5	61.1
56.1	57.5	54.0	52.0	63.7
55.7	57.0	53.0	50.3	64.1
56.6	58.0	54.0	51.1	65.4
57.7	59.0	54.5	51.1	67.9
60.3	59.0	53.5	50.4	83.1
57.1	58.5	54.0	51.7	67.5
56.9	58.5	54.0	50.5	65.9
59.2	61.0	56.0	52.8	73.6
57.5	59.0	54.0	51.2	69.1
61.9	59.0	53.5	50.1	91.2
58.6	61.0	54.5	51.0	67.0
58.8	61.5	54.5	51.2	69.2
58.1	60.0	55.5	51.8	67.3
60.9	63.0	55.5	52.9	73.5
58.4	60.5	55.0	52.0	66.7
60.8	64.0	55.0	51.5	72.4
58.1	60.0	54.0	51.0	71.2
58.1	61.0	52.0	48.5	72.9
58.2	60.5	54.5	50.3	72.1
59.7	62.5	55.5	51.1	72.0
60.7	64.0	55.0	51.7	74.1
58.2	60.0	54.0	51.3	73.3
56.9	59.0	53.0	50.0	68.6
55.5	57.5	52.5	49.8	62.9
55.3	56.5	52.5	48.8	64.8
59.7	62.0	52.5	49.1	75.7
57.5	59.0	54.0	50.5	71.1
55.5	56.5	52.5	49.9	66.6
55.4	57.5	52.0	47.9	63.8
57.3	57.5	52.0	48.3	71.4
58.0	60.5	53.0	48.6	70.8
55.7	57.0	52.0	48.6	65.3
56.2	57.5	53.0	49.6	67.6
54.6	56.0	51.5	47.9	63.3
59.2	59.5	51.5	47.3	75.7
54.0	55.0	51.0	47.6	63.8
52.6	54.0	49.5	47.0	56.6
56.4	57.5	50.0	46.9	71.5
55.7	58.5	51.0	47.6	65.2
53.4	54.5	50.5	47.6	60.0
54.8	56.5	51.0	46.7	68.9
58.1	61.0	51.0	47.0	72.7
54.5	55.0	50.5	47.0	73.5
53.1	55.5	49.5	48.6	56.4

Br el & Kj
Sound Level Meter Type 2238
Logging BZ7124 ver. 1.2.0

FILENAME: 002.M24

SETTINGS:

Serial no: 2285721
Range: 32.0 - 112.0 dB
Peaks Over: 140 dB
2nd Exch. Rate: 4 dB
Period Time: Normal

Logged Every: 05:00
 Detector 1 (RMS)
 Bandwidth: Broad Band
 Freq. Wgt.: A
 Detector 2 (Br.Band)
 Weighting: Peak/C
 Sound Incidence: Frontal
 Windscreen Correction: Off

CALIBRATION:

 Micr.: 2588103
 Sensitivity: -30.8 dB
 Date: 2013 Dec 23 18:13:39

OVERALL RESULTS:

 Start Date 2014 Jan 20
 Start Time 12:46:13
 Elapsed Time 95:44:12
 Overload 0.0 %
 Underrange 0.0 %

RMS MEASUREMENT RESULTS:

 Bandwidth: Broad Band
 Freq. Wgt.: A

 LFMax 100.6 dB
 LSMax 92.7 dB
 LIMax 103.8 dB
 LFMin 40.7 dB
 LSMin 49.1 dB
 LIMin 51.0 dB
 LAFTm5 61.8 dB
 Leq 55.4 dB
 LIeq 60.5 dB

PEAK MEASUREMENT RESULTS:

 Freq. Wgt.: C

 #Peaks 0
 Lpkmax 110.0 dB

LOGGED RESULTS (1 of 1):

Marker	LAF10		LAFMin		LAFMax
	LAEq	LAF90	LAF90	LAFMin	
OU1234	dB	dB	dB	dB	dB
	60.1	63.5	53.0	48.8	81.6
	59.0	59.0	51.5	46.6	73.1
	54.4	55.5	51.5	47.7	69.0
	54.2	55.5	50.5	46.7	69.5
	56.6	56.5	50.5	46.3	71.5
	55.8	58.0	51.0	46.5	69.8
	56.8	57.5	53.0	48.5	77.9
	57.0	58.5	53.5	48.2	71.6
	60.6	59.0	53.0	47.4	83.5
	58.1	60.5	53.5	48.7	72.0
	58.4	59.5	54.0	50.3	74.6
	58.4	58.5	54.0	49.7	79.6
	57.0	58.5	53.5	49.4	76.1
	58.7	61.0	55.0	50.3	67.3
	56.2	56.5	52.0	47.2	73.8
	55.4	56.5	52.0	48.2	71.1
	54.6	55.5	50.0	46.0	68.3
	58.7	61.0	51.5	47.6	72.8
	57.5	59.0	52.5	47.4	70.1
	56.7	58.0	51.5	47.2	69.6
	54.9	56.0	51.5	49.2	71.9
	57.2	58.5	53.5	48.5	70.0
	57.7	60.0	53.0	47.7	69.1

Raw Data (N1).txt

53.6	55.0	50.0	47.5	61.1
58.7	59.0	51.0	46.7	73.8
55.0	56.5	52.0	48.6	62.7
53.8	55.0	51.0	47.8	59.8
54.7	57.0	50.5	46.5	60.6
57.8	59.5	52.0	47.4	72.4
53.6	55.0	50.0	46.3	65.5
56.6	58.0	53.0	49.2	67.8
54.9	56.5	52.0	46.9	65.0
55.2	57.0	51.5	47.4	66.2
53.5	55.0	50.5	46.9	59.6
54.6	56.5	50.5	46.4	64.8
56.4	59.0	51.5	47.5	70.6
54.8	56.0	50.5	46.8	66.8
55.1	56.0	51.0	47.6	68.2
58.8	61.0	50.0	47.4	75.2
55.1	56.0	51.0	46.8	68.7
53.5	54.0	49.5	46.4	65.4
56.5	57.5	49.5	46.4	71.9
56.1	57.5	51.0	47.6	70.1
53.5	55.0	50.5	47.0	60.3
59.3	63.0	50.0	45.9	73.6
54.1	55.0	49.5	45.8	66.8
53.4	55.0	50.0	46.1	61.4
56.5	57.5	49.5	45.2	70.9
58.8	57.5	50.0	45.5	74.7
53.4	55.5	49.5	45.4	59.7
52.9	54.5	49.5	46.0	57.6
56.5	57.5	49.0	45.3	72.1
52.0	53.0	48.0	45.3	55.6
52.3	53.5	48.5	45.2	58.2
54.9	58.0	50.0	46.7	63.9
53.7	55.5	50.0	45.7	60.0
52.5	54.0	49.0	44.9	57.6
52.0	53.5	48.5	45.3	55.5
52.5	54.0	49.0	46.1	58.7
52.7	54.0	49.0	46.4	58.1
53.0	54.5	50.0	45.9	58.1
54.5	56.5	51.5	47.0	61.2
53.3	55.0	50.0	46.4	58.9
53.0	54.5	50.0	45.7	58.5
53.2	55.0	50.0	45.8	61.4
52.2	53.5	49.0	46.1	55.2
53.9	55.5	50.0	46.3	61.1
55.1	57.0	52.0	48.5	62.0
53.4	55.0	50.0	46.5	60.3
54.1	56.0	50.5	47.4	61.8
55.9	59.0	51.0	46.8	71.3
53.0	54.5	49.5	45.3	57.1
53.8	55.5	50.0	45.9	59.1
53.1	54.5	49.5	46.5	60.2
53.2	55.0	49.5	46.1	59.5
52.4	53.5	48.5	45.6	63.4
52.5	54.0	48.5	46.0	59.7
53.6	55.5	49.5	45.8	65.2
59.5	60.5	50.5	45.9	75.8
52.7	54.0	49.0	45.1	59.8
52.6	53.5	48.0	44.9	64.5
52.1	53.5	48.5	45.3	61.5
55.8	56.5	48.0	44.6	71.5
52.2	54.0	47.5	44.3	59.6
53.3	55.0	50.0	46.6	58.4
52.5	54.0	48.5	45.1	63.3
52.9	54.5	49.0	45.0	58.4
56.0	58.0	48.5	44.6	70.5
52.8	54.0	49.5	46.4	57.8
52.2	53.5	48.0	44.9	62.4
60.2	62.0	50.5	44.8	75.0
53.4	55.0	50.0	46.2	60.9
52.6	54.0	49.0	45.6	58.0
55.0	57.5	49.5	46.0	72.8
57.6	59.0	51.0	46.1	73.5
52.4	53.5	48.0	45.4	60.2
54.2	55.5	50.5	47.5	64.4
52.5	54.0	48.5	45.3	57.6

Raw Data (N1).txt

54.0	53.5	48.0	45.3	69.3
59.2	61.0	49.5	45.9	74.6
52.4	53.5	49.0	45.9	55.8
51.7	53.0	48.0	45.8	54.4
53.8	55.5	50.0	46.7	59.7
53.8	55.5	50.5	46.4	58.9
52.3	53.5	49.0	45.6	56.8
55.7	56.0	50.0	46.4	69.2
54.0	55.5	51.5	47.8	58.8
52.8	54.0	49.5	47.4	57.6
54.3	55.5	51.5	47.8	58.7
54.5	56.0	51.0	47.8	63.2
53.1	54.5	50.0	46.3	57.7
53.6	55.0	49.5	46.3	74.7
56.6	58.0	51.0	46.7	70.6
51.8	53.0	48.0	45.6	54.6
54.2	56.0	51.0	47.4	59.7
52.6	54.0	49.0	45.6	63.3
51.9	53.0	48.5	45.3	55.3
52.4	53.5	49.0	45.6	58.1
56.2	56.0	50.0	46.0	71.3
52.3	53.5	49.0	45.9	56.2
54.1	55.5	51.0	48.2	62.0
53.8	56.0	50.0	47.1	62.2
53.2	54.0	50.0	46.6	65.8
55.9	54.5	49.5	46.5	74.9
52.3	53.5	49.0	46.4	56.5
53.4	55.5	49.5	46.7	61.0
53.4	55.0	50.5	47.2	58.2
52.4	53.5	49.5	46.2	55.9
52.1	53.5	48.5	45.6	55.2
54.9	57.5	50.5	46.1	63.0
52.9	54.0	50.0	47.3	56.3
53.7	55.5	50.5	48.0	60.0
52.8	54.5	49.5	46.1	57.5
52.8	54.0	49.5	46.6	57.5
53.4	56.0	49.0	45.7	62.2
52.8	55.5	48.0	45.1	60.3
52.1	53.5	48.5	45.4	58.2
53.1	55.0	49.0	45.7	61.1
53.3	54.5	50.0	46.9	62.6
52.3	53.5	49.0	45.4	55.4
51.4	52.5	47.0	44.7	54.6
52.1	53.5	48.5	45.2	55.9
51.9	53.0	48.0	45.5	58.1
51.9	53.5	48.0	44.9	59.0
53.4	55.5	49.5	45.8	61.1
51.6	53.0	48.0	45.3	54.8
51.7	53.0	48.0	44.9	54.6
52.1	53.5	48.5	46.0	55.1
51.7	53.0	48.0	45.7	54.7
52.2	53.5	49.0	46.4	55.8
52.1	53.5	48.0	45.0	56.3
52.6	54.5	48.0	44.8	60.3
51.5	53.0	47.5	45.0	54.1
57.1	60.5	51.0	45.4	64.9
51.9	53.0	47.5	44.8	59.7
51.6	53.0	47.5	44.9	55.0
52.9	54.5	49.5	46.3	57.4
52.5	54.0	48.5	45.4	59.0
51.7	53.0	48.0	45.0	55.0
51.5	52.5	47.5	44.3	53.8
51.2	52.5	47.0	44.2	54.2
51.3	52.5	47.0	44.3	55.2
52.6	54.5	48.0	44.5	58.8
51.5	52.5	47.5	45.1	55.3
51.7	53.0	48.0	44.6	54.2
51.5	52.5	47.5	45.3	54.5
52.2	53.5	49.0	45.7	57.0
51.5	53.0	47.5	44.9	54.1
52.6	54.0	48.5	45.1	61.3
52.0	53.5	48.0	45.2	55.6
54.0	56.0	50.0	45.7	61.1
51.9	53.0	48.0	44.9	58.8
52.1	53.5	48.5	45.1	57.8

Raw Data (N1).txt

51.3	52.5	47.0	44.3	54.2
51.7	53.0	47.5	44.6	57.8
52.2	53.5	48.5	44.5	57.4
51.6	53.0	47.5	44.3	55.8
52.4	54.0	48.0	44.4	58.5
52.0	53.5	48.0	44.4	60.0
53.0	55.0	48.5	44.8	60.0
52.4	53.5	49.0	45.8	57.2
51.3	52.5	47.0	43.9	54.0
51.1	52.5	46.5	44.2	53.7
51.1	52.5	46.5	43.5	54.0
51.4	52.5	47.0	44.0	56.1
51.1	52.5	46.5	44.1	54.3
51.6	53.0	47.5	44.9	56.4
51.6	53.0	47.5	45.0	56.2
51.1	52.5	46.5	44.2	54.2
51.0	52.5	46.0	44.2	53.8
51.1	52.5	46.5	43.8	54.7
52.0	53.5	48.0	43.9	56.5
52.9	55.5	48.0	44.3	62.6
51.2	52.5	46.5	43.8	65.1
50.9	52.5	46.0	43.6	53.0
52.5	55.0	47.5	44.3	59.3
51.2	52.5	47.0	44.5	53.7
50.8	52.0	45.5	43.4	52.9
51.0	52.5	46.5	43.3	53.4
51.6	53.0	46.5	43.3	58.6
52.6	54.5	48.5	44.2	57.3
50.9	52.5	46.0	43.5	53.2
50.7	52.0	45.5	43.3	52.9
50.8	52.0	45.5	43.2	54.3
51.6	53.5	46.0	42.9	58.3
51.0	52.5	46.0	43.7	54.4
51.0	52.5	46.0	42.7	53.6
51.0	52.5	46.0	44.0	53.2
51.4	53.0	47.0	43.6	55.8
50.9	52.5	46.0	43.7	53.4
52.0	53.5	47.5	44.4	58.0
51.1	52.5	46.5	43.8	54.8
51.4	52.5	47.0	44.4	54.9
52.6	52.5	47.0	44.5	73.0
55.0	52.5	46.5	44.1	73.6
52.8	53.5	47.5	43.9	69.6
59.7	63.5	48.0	44.4	78.9
51.7	53.0	47.5	44.5	55.9
52.3	53.0	47.0	44.2	68.9
55.3	53.0	47.0	43.8	74.8
52.2	53.5	48.5	44.7	56.3
54.9	58.5	50.0	46.1	63.7
54.2	56.5	50.5	46.3	61.7
52.5	53.5	49.0	46.4	64.6
52.9	54.0	50.0	47.4	62.0
55.4	56.5	52.0	47.9	69.8
53.4	54.5	50.5	47.9	63.5
55.2	57.0	51.5	47.1	70.5
55.5	57.5	51.5	46.8	66.0
54.6	56.5	51.0	46.6	66.3
55.2	56.0	50.5	46.5	68.2
56.9	59.5	52.0	46.5	68.3
55.6	59.0	49.0	45.2	68.3
54.0	56.0	49.0	45.5	66.1
54.8	56.5	51.5	47.2	69.9
55.8	57.5	52.0	47.6	68.4
54.5	56.0	51.0	47.0	64.4
53.8	55.0	50.0	45.9	65.9
52.4	54.0	48.5	45.4	58.8
59.5	64.5	50.0	45.1	69.1
56.3	57.5	51.5	46.8	70.5
55.6	57.0	52.5	48.6	65.9
55.3	57.5	51.5	46.8	66.8
55.5	57.5	51.0	46.7	65.0
55.0	57.0	51.0	46.7	65.7
53.8	56.0	50.0	44.8	61.6
59.8	61.0	50.5	46.5	77.9
57.6	61.5	51.5	47.0	68.8

Raw Data (N1).txt

58.8	61.5	53.0	47.1	72.4
59.5	63.5	51.5	46.1	71.7
58.4	62.5	50.5	46.6	72.8
56.6	58.0	50.0	46.2	76.1
64.5	56.5	49.5	45.0	87.9
53.4	55.0	50.5	45.9	62.3
55.5	57.5	51.0	46.7	66.8
56.6	59.5	50.5	45.5	66.8
53.7	55.5	49.0	45.0	65.4
57.0	59.0	50.0	44.8	75.6
60.9	62.5	53.0	46.7	76.3
56.4	60.5	49.5	45.3	66.0
54.9	57.0	50.5	46.6	64.3
57.3	59.5	50.5	46.3	72.9
55.0	56.5	49.5	45.1	66.2
56.2	58.0	51.0	46.4	69.7
58.3	61.0	53.5	48.5	71.3
60.7	63.5	55.0	50.7	74.8
59.7	62.5	54.5	50.6	76.5
60.9	64.0	54.0	49.6	75.2
58.3	61.0	53.5	49.7	71.9
61.1	62.0	52.0	47.8	77.3
61.1	63.5	55.0	50.2	76.9
55.0	56.0	50.5	47.2	73.6
56.7	60.0	52.0	46.8	67.3
54.1	56.0	50.0	46.6	64.2
56.4	58.5	50.5	47.0	69.8
55.4	58.0	50.0	46.1	70.0
55.0	57.0	51.0	46.2	67.6
59.5	60.0	51.5	45.6	74.9
53.5	55.5	50.0	46.1	59.6
54.1	54.5	48.5	44.0	69.1
57.2	60.5	50.0	45.6	71.7
55.6	58.5	50.5	46.8	65.1
54.2	56.0	51.0	45.6	63.1
54.3	56.5	51.0	46.4	62.4
54.7	57.0	50.5	45.9	73.3
53.3	54.0	49.5	46.3	73.1
56.5	56.5	49.5	45.3	73.1
52.5	53.5	48.5	44.3	68.7
58.8	58.5	50.0	44.8	74.5
54.5	56.0	50.0	45.5	67.8
53.7	54.0	49.0	45.4	69.1
56.7	57.0	51.0	44.9	69.3
58.9	62.0	53.0	48.7	72.7
64.2	68.5	55.5	51.7	75.8
54.4	56.5	51.0	48.5	63.6
54.3	56.0	51.5	47.8	62.8
54.8	55.5	51.5	47.2	64.1
56.9	56.5	52.0	48.9	76.0
53.5	54.5	51.0	48.1	59.4
53.6	54.5	50.0	46.6	66.6
54.8	57.0	51.0	47.2	69.9
54.1	55.5	51.5	49.0	59.7
56.3	59.5	51.5	47.7	61.7
54.3	56.0	51.0	47.3	62.9
53.7	55.0	51.0	48.0	59.5
59.5	60.5	52.0	48.1	73.3
56.2	58.0	52.5	48.5	69.2
54.1	55.5	51.5	48.0	59.2
56.6	57.5	52.5	49.7	77.6
55.5	56.5	52.0	48.7	66.3
53.6	55.0	51.0	47.3	59.4
59.7	63.0	51.5	48.8	73.1
56.9	60.0	52.0	48.5	66.4
55.9	58.5	52.0	48.9	64.9
55.3	57.0	52.0	48.2	66.1
56.3	56.5	50.5	47.0	71.3
58.1	60.0	51.5	48.1	74.6
63.1	66.5	55.0	50.5	77.0
56.7	59.0	52.5	49.6	68.0
57.2	59.5	53.5	48.8	68.2
64.6	68.5	52.0	48.4	79.6
54.8	56.5	51.0	47.5	66.7
54.3	55.5	52.0	48.5	61.5

Raw Data (N1).txt

56.2	58.0	50.5	47.8	71.0
59.6	61.0	52.5	46.9	78.3
53.6	55.0	50.5	46.2	62.3
52.8	54.5	49.5	45.0	58.6
53.3	55.5	49.0	45.7	60.6
55.7	54.5	49.0	46.0	71.4
53.5	55.5	49.5	45.8	60.5
52.8	54.5	49.0	45.3	57.0
54.4	56.5	51.0	46.6	60.7
54.2	55.0	50.5	46.7	72.0
54.7	57.0	51.0	45.6	60.8
52.7	54.0	49.5	45.4	56.8
52.7	54.0	48.5	44.7	61.9
55.1	57.5	51.5	47.2	61.8
53.8	55.5	50.0	45.5	63.3
53.7	55.5	50.5	45.8	61.9
53.4	55.5	49.5	45.2	61.2
53.4	56.0	49.0	45.3	62.2
53.6	55.0	49.5	45.3	61.8
55.4	58.0	51.5	45.4	61.2
53.2	55.0	49.0	45.4	62.5
51.8	53.0	48.0	44.5	56.3
52.0	54.0	47.5	44.1	56.8
53.0	54.5	49.0	44.1	59.0
51.8	53.0	48.0	44.7	56.5
53.5	55.0	50.5	46.8	58.3
59.2	58.0	51.5	47.6	77.3
52.0	53.5	48.0	44.1	58.2
51.9	53.5	47.5	44.3	58.1
55.8	56.0	49.5	46.2	69.8
52.6	54.0	49.0	44.4	57.8
52.6	54.5	48.5	44.3	57.7
54.0	57.0	49.5	45.1	60.6
52.3	53.5	49.0	44.8	56.3
53.4	56.0	48.5	44.9	61.7
51.6	53.0	47.5	44.6	54.8
58.1	59.5	48.0	44.7	73.2
54.5	57.0	50.5	45.9	61.4
53.5	55.0	50.5	46.3	57.3
51.7	53.0	48.0	45.2	54.7
55.7	55.0	48.0	44.8	70.6
52.7	54.0	49.5	46.1	57.5
52.3	53.5	49.0	45.8	58.0
53.0	54.5	49.5	45.8	58.5
52.6	54.0	49.0	45.6	56.7
53.5	56.0	49.5	45.7	61.9
56.4	56.5	49.5	45.5	71.7
53.7	55.5	50.5	46.6	61.2
52.3	53.5	48.5	45.2	61.8
53.9	56.0	50.5	46.3	59.4
53.0	54.5	50.0	47.2	58.1
52.0	53.5	48.5	45.4	55.7
52.6	55.0	47.5	44.5	59.9
55.4	55.0	49.5	46.0	69.4
52.7	54.0	49.0	46.1	66.8
59.0	58.5	51.0	46.3	76.2
53.5	55.5	49.5	45.2	59.7
53.5	56.0	49.0	45.3	63.0
52.1	53.5	48.5	44.8	60.3
55.5	57.0	49.0	45.4	70.5
53.3	55.5	48.0	44.7	64.0
52.9	54.5	49.5	45.0	59.5
52.1	53.5	48.0	44.3	57.7
51.6	53.0	47.5	44.4	54.8
55.8	57.0	48.0	44.8	72.5
53.4	54.0	49.0	45.3	75.6
55.2	56.0	49.0	45.5	77.3
53.5	54.5	49.5	45.6	68.4
54.1	56.5	50.0	46.6	60.0
52.3	53.5	49.0	45.4	55.8
55.3	56.0	49.5	45.4	71.3
53.3	54.5	50.0	46.6	58.2
52.8	54.5	49.0	46.4	58.3
56.2	58.5	51.5	46.7	63.2
52.7	54.0	49.0	45.4	58.3

Raw Data (N1).txt

52.2	53.5	48.5	45.3	56.2
54.9	56.0	49.0	45.3	68.9
52.2	53.5	48.5	45.4	57.0
52.6	54.5	48.5	45.2	59.2
53.9	56.0	50.0	45.9	60.5
53.4	55.5	49.5	45.8	59.8
52.6	54.0	49.5	46.8	56.2
55.7	56.0	50.5	47.3	72.2
53.1	54.5	50.0	47.1	65.0
53.8	55.5	50.5	47.2	61.0
53.7	55.0	51.0	47.3	57.8
53.1	54.5	50.0	46.9	57.9
55.5	55.5	50.0	46.7	70.8
52.5	54.0	49.0	45.7	57.0
52.4	53.5	49.0	46.5	56.6
53.5	55.5	49.5	46.5	61.6
53.3	55.0	50.5	47.1	58.5
52.4	53.5	49.0	45.9	66.5
53.5	56.0	49.5	46.5	63.6
52.4	53.5	49.5	46.3	56.8
52.8	54.0	50.0	46.5	59.2
52.6	54.0	49.5	46.1	58.2
54.5	56.5	51.0	47.7	64.6
52.7	54.0	49.5	46.5	56.9
52.3	53.5	49.0	45.9	57.1
54.0	56.0	50.5	46.2	61.7
58.0	61.0	53.0	48.5	64.9
54.1	55.5	51.0	47.9	60.8
53.4	55.0	50.0	46.1	59.4
52.6	54.0	49.5	46.4	57.0
52.3	53.5	49.0	46.4	59.1
53.1	55.0	50.0	46.7	58.4
52.3	53.5	48.5	45.5	58.4
52.9	55.0	48.0	45.2	61.5
52.7	54.0	49.5	45.5	57.3
53.2	55.5	48.5	45.6	61.5
51.6	53.0	48.0	44.8	54.5
51.9	53.0	48.0	44.6	55.8
52.1	53.5	48.0	45.3	57.9
52.9	55.5	48.0	44.6	60.4
53.0	54.5	49.5	46.6	58.3
51.8	53.0	48.0	45.6	54.4
51.6	53.0	47.5	45.5	54.0
51.5	52.5	47.5	45.3	54.7
52.2	53.5	49.0	46.2	55.1
52.2	53.5	49.0	46.7	56.2
53.9	55.5	51.0	47.3	60.4
52.4	53.5	49.0	45.5	56.7
52.2	53.5	48.5	44.9	56.0
51.2	52.5	47.0	44.5	53.6
51.3	52.5	47.0	44.3	54.9
51.0	52.5	46.5	44.0	53.9
52.7	55.0	47.0	44.4	61.3
51.1	52.5	46.5	44.0	53.9
51.1	52.5	46.5	44.1	53.9
51.2	52.5	46.5	44.2	54.3
51.1	52.5	46.5	43.9	55.3
50.9	52.5	46.0	43.9	53.2
51.1	52.5	46.5	43.9	54.1
51.6	53.0	46.5	44.3	57.6
51.0	52.5	46.0	43.8	53.5
52.0	54.0	46.5	43.6	59.8
52.3	54.5	47.5	44.5	57.9
51.1	52.5	46.5	44.2	57.1
51.8	53.5	47.5	44.4	59.5
51.3	52.5	46.5	44.0	56.7
52.3	54.0	47.5	44.3	61.9
51.3	52.5	47.0	43.9	54.5
51.8	53.5	47.0	43.8	57.0
52.0	54.0	47.0	44.0	58.3
52.6	55.0	48.0	44.1	60.0
51.4	53.0	47.0	43.6	55.5
50.8	52.0	45.5	43.5	53.1
50.9	52.5	46.0	43.9	53.2
51.0	52.5	46.5	43.9	53.7

Raw Data (N1).txt

50.8	52.0	45.5	43.7	52.9
51.1	52.5	46.5	43.7	54.1
51.8	53.0	48.0	44.8	54.9
51.0	52.5	46.0	43.7	54.9
50.8	52.0	45.5	43.6	53.2
51.5	53.0	47.0	43.7	56.0
52.4	54.5	47.5	43.6	57.9
54.1	56.0	50.0	44.2	61.3
51.1	52.5	46.5	43.8	54.6
50.9	52.5	46.0	43.6	53.1
55.3	59.0	47.5	43.7	62.1
52.9	55.0	48.0	44.3	63.9
50.9	52.5	46.0	43.8	53.2
51.0	52.5	46.5	43.5	53.9
51.0	52.5	46.0	43.9	53.3
51.2	52.5	47.0	44.0	54.2
51.0	52.5	46.0	43.7	57.0
51.0	52.5	46.5	44.1	54.0
50.9	52.5	46.0	44.0	53.3
51.6	53.0	46.5	44.3	58.3
52.9	55.0	48.5	44.4	60.2
51.2	52.5	46.5	43.7	54.5
50.9	52.5	46.0	43.6	55.9
52.0	53.5	48.0	44.1	56.3
51.6	53.0	47.5	44.5	55.5
51.9	53.5	47.5	44.3	57.5
51.9	53.0	48.5	45.8	57.0
52.5	54.0	48.5	45.5	58.6
51.2	52.5	46.5	44.2	61.1
51.5	53.0	47.5	44.4	55.5
51.8	53.0	48.0	45.2	62.0
52.8	54.0	49.0	45.5	64.9
52.9	54.0	49.0	45.8	67.0
52.3	53.5	48.5	45.8	63.0
53.1	54.0	49.0	46.2	65.7
53.8	55.5	50.0	46.9	67.0
54.2	56.0	50.0	46.4	71.5
52.5	54.0	49.5	45.4	59.8
53.6	55.5	50.5	46.6	59.5
53.0	54.5	50.0	46.0	59.7
53.0	54.5	49.5	46.4	58.3
53.0	54.5	49.5	46.5	58.5
55.3	57.5	51.0	47.7	66.8
56.6	58.5	53.5	49.3	66.1
52.8	54.5	49.0	45.5	63.3
54.6	56.5	49.5	45.3	69.2
55.3	57.5	50.5	45.7	67.1
55.2	57.5	50.0	45.7	66.6
53.7	56.0	49.0	45.3	70.5
56.7	60.0	50.5	45.1	71.5
54.5	56.5	49.5	45.4	66.8
55.6	58.0	50.0	45.6	68.0
54.5	57.0	50.0	45.7	65.0
53.7	55.0	48.5	44.5	68.3
55.5	57.0	50.0	46.4	68.8
53.0	54.5	49.5	44.6	59.4
52.2	53.5	48.5	45.3	65.3
54.1	55.0	50.5	46.2	66.0
55.1	55.5	50.0	45.9	68.5
56.6	60.0	50.0	44.9	71.0
54.7	57.0	50.5	46.2	64.0
59.6	62.5	51.5	46.7	75.2
55.1	56.0	49.5	45.4	71.4
55.8	58.0	51.0	46.5	66.3
53.9	55.5	50.0	45.4	64.3
69.4	56.5	49.5	45.2	98.5
55.6	58.0	49.5	44.8	71.6
53.4	55.0	49.5	45.3	63.0
55.1	56.5	51.0	46.4	67.4
53.8	56.0	49.0	44.5	66.2
55.3	57.5	50.5	44.2	66.2
55.7	57.5	50.5	46.2	70.6
55.1	57.0	51.5	46.7	65.8
53.9	56.0	50.0	46.0	60.0
57.1	59.5	51.0	46.6	66.3

Raw Data (N1).txt

53.1	53.5	48.5	45.4	65.9
54.3	55.5	50.5	46.4	65.2
56.1	57.5	50.0	45.2	69.5
54.6	55.5	50.5	46.9	67.5
60.6	65.0	51.0	45.4	74.1
56.7	59.5	50.0	45.0	72.3
54.5	56.0	49.0	44.9	66.2
57.6	60.0	52.5	49.4	71.4
54.7	57.5	49.0	44.9	65.2
52.8	54.0	48.5	44.8	66.8
54.3	56.0	49.5	45.0	64.7
53.5	54.5	49.0	45.3	65.4
53.2	55.0	49.0	44.5	63.4
56.6	58.0	49.5	44.9	71.3
54.7	56.5	50.5	46.7	66.8
52.4	54.0	48.5	44.2	61.1
59.2	59.5	52.5	47.3	74.3
54.4	56.5	51.0	46.4	71.9
53.9	55.0	49.5	44.6	73.0
53.1	54.5	49.0	44.4	65.6
57.7	61.0	50.0	45.0	71.8
58.3	59.0	48.0	44.0	75.2
53.1	55.5	48.5	44.7	60.4
53.3	54.5	49.0	44.9	72.0
52.9	53.5	48.0	44.4	72.0
56.5	57.0	49.5	44.4	73.0
53.6	55.0	50.0	46.1	68.5
59.2	58.5	50.5	47.0	75.9
52.5	54.0	49.0	44.8	56.9
55.9	56.5	49.0	44.7	70.7
57.9	62.5	48.5	44.8	72.4
52.8	54.5	49.0	44.3	58.6
56.4	57.0	47.5	44.0	72.4
52.8	55.5	47.5	44.1	68.9
58.6	59.0	49.5	44.8	73.9
52.8	54.0	49.5	45.1	61.9
52.8	54.5	49.0	44.9	59.9
56.0	54.0	47.0	44.3	72.4
52.3	53.5	48.0	44.0	63.0
53.1	55.0	49.5	45.8	60.1
54.0	56.0	50.5	46.3	59.4
57.1	60.5	50.0	44.6	65.0
52.4	54.0	49.0	44.6	56.2
53.3	54.5	48.5	44.3	65.1
52.8	54.0	48.0	44.6	64.6
58.5	60.0	48.5	44.4	75.0
54.0	55.5	49.0	44.0	66.4
52.2	53.5	48.5	44.8	57.1
57.0	58.5	50.5	46.5	71.9
59.7	60.5	50.5	45.7	80.3
52.4	54.0	48.5	44.7	63.0
51.8	53.0	47.5	44.4	58.0
53.4	55.0	49.0	44.9	64.6
58.0	60.0	50.0	45.2	73.1
52.4	53.5	48.0	44.4	64.4
52.2	53.5	48.0	44.0	65.3
55.8	56.0	48.5	43.7	73.2
52.1	53.5	48.0	44.2	57.9
52.7	54.5	49.0	44.6	57.4
52.6	54.0	48.5	44.7	59.8
52.5	54.0	48.5	45.1	58.6
52.7	54.0	48.5	44.8	63.6
53.2	55.0	49.5	44.8	60.0
53.7	56.0	50.0	45.5	62.9
53.5	55.5	49.5	45.3	62.1
52.3	54.0	48.0	44.3	59.9
59.1	60.0	48.0	43.8	76.3
53.3	55.0	49.5	44.1	65.4
52.4	54.0	48.5	44.1	61.3
56.0	56.5	48.0	44.3	72.3
52.0	53.5	48.0	43.8	56.6
54.3	56.0	50.5	46.1	62.6
52.4	54.0	49.0	44.8	60.0
53.0	54.5	49.5	45.3	58.4
52.6	54.0	49.5	45.6	60.8

Raw Data (N1).txt

52.4	54.0	48.5	44.7	58.6
58.2	59.0	50.0	45.5	75.5
54.3	57.0	50.0	44.4	61.4
53.3	54.5	49.0	44.8	70.7
52.9	54.5	48.5	44.6	63.0
55.5	55.0	48.5	44.8	73.6
53.0	54.0	49.5	46.1	60.0
52.3	53.5	48.5	44.7	62.4
52.5	54.0	49.0	44.9	57.1
51.9	53.0	48.0	44.0	56.3
51.7	53.0	47.0	44.0	57.5
52.1	53.0	47.5	44.1	64.5
51.4	52.5	47.0	43.9	56.9
52.6	54.5	47.5	43.6	60.3
52.2	53.5	48.0	44.0	61.0
51.5	53.0	47.0	43.8	57.3
51.5	53.0	47.0	43.7	54.9
54.9	54.0	47.5	43.4	70.5
51.6	53.0	47.0	43.8	58.7
52.1	53.5	48.5	44.1	56.8
52.7	54.5	48.5	44.2	59.3
51.3	52.5	46.5	43.7	57.3
52.5	54.5	47.5	44.2	60.1
51.4	53.0	47.0	43.3	54.6
51.4	53.0	47.0	43.9	59.3
59.6	59.5	47.5	43.4	77.9
52.4	54.0	48.5	44.5	57.7
51.2	52.5	46.5	43.6	54.9
56.1	57.0	49.5	44.1	71.1
52.4	54.0	49.0	44.9	57.1
52.5	53.0	46.5	43.7	71.4
52.9	55.5	48.0	43.8	59.6
52.0	53.5	48.0	44.0	56.0
51.6	52.5	47.0	43.7	62.3
55.8	55.5	47.5	43.6	70.3
52.2	53.0	46.5	43.5	69.1
53.3	54.5	48.5	44.6	64.4
52.9	55.0	49.0	44.1	57.8
51.6	53.0	47.0	43.8	56.8
52.6	55.5	46.5	43.3	60.9
52.0	53.5	47.5	43.1	58.5
55.9	56.0	47.5	43.8	71.0
52.7	55.0	47.5	43.6	60.8
52.4	54.0	48.5	44.2	57.3
52.5	54.0	49.0	45.3	57.9
52.6	55.5	47.5	44.2	59.4
55.3	55.5	47.5	44.4	71.7
51.6	53.0	47.5	43.6	57.2
51.3	52.5	47.0	43.8	54.8
58.6	60.5	54.0	47.5	64.7
53.1	54.5	49.5	44.7	59.5
51.7	53.0	47.0	44.0	56.8
56.3	59.0	48.0	44.3	69.7
52.3	53.5	49.0	46.1	56.2
51.9	53.5	47.5	44.0	56.4
53.9	56.0	50.5	45.5	60.0
56.5	58.5	50.5	45.1	70.4
54.1	54.5	49.0	45.0	70.8
57.8	60.5	50.0	44.6	73.3
54.2	56.0	49.5	45.5	69.3
54.7	58.0	48.0	43.7	62.5
53.3	55.0	50.0	44.3	59.4
53.2	56.0	48.5	45.0	60.5
52.3	54.0	48.5	44.2	57.0
56.1	57.0	47.5	44.1	69.9
52.7	54.5	48.0	43.5	59.2
52.6	54.5	48.0	43.9	58.2
53.2	55.5	49.0	43.8	59.8
51.5	53.0	47.0	43.8	59.9
52.1	54.0	47.5	43.7	58.2
56.1	56.5	47.5	43.5	69.1
52.1	53.5	48.5	44.6	56.0
52.0	54.0	47.5	43.7	56.8
54.1	56.0	50.5	44.3	59.8
51.8	53.5	47.0	43.5	59.4

Raw Data (N1).txt

55.8	55.5	47.5	43.5	69.0
52.0	54.0	47.5	43.8	56.7
51.6	53.0	47.5	43.7	55.6
52.3	54.0	48.5	44.6	57.1
53.9	56.5	50.0	44.7	60.2
51.7	53.0	47.5	44.0	55.7
51.6	53.0	47.5	43.5	56.5
52.3	55.0	47.0	43.8	60.1
51.3	53.0	47.0	43.3	54.2
52.0	53.5	48.0	43.2	56.4
53.9	56.5	49.5	44.4	59.1
51.6	53.0	47.5	44.0	54.7
53.2	56.5	47.0	43.5	62.8
54.9	58.5	48.5	43.5	62.9
57.5	61.0	49.0	43.4	65.5
52.4	55.0	47.5	44.3	60.6
52.1	53.5	47.5	43.7	60.6
52.0	54.5	46.5	43.3	58.3
52.4	54.5	47.0	43.4	58.9
52.6	54.5	48.0	43.9	58.1
51.4	53.0	47.5	44.1	54.4
53.5	56.5	48.0	43.1	62.2
52.0	53.5	47.5	43.8	63.0
51.1	52.5	46.5	43.2	54.3
51.0	52.5	46.5	43.3	54.2
51.3	53.0	46.5	43.0	55.1
52.0	54.0	47.5	43.4	56.1
50.9	52.5	46.0	43.0	53.3
51.8	54.0	46.0	42.8	60.1
52.9	56.0	47.0	43.4	61.5
50.7	52.0	45.5	42.9	53.0
50.6	52.0	45.0	42.9	52.8
51.6	53.0	46.5	43.4	58.0
51.9	53.5	47.5	43.6	59.4
52.3	54.5	47.5	43.3	58.2
52.5	55.0	47.0	43.1	59.6
51.1	52.5	46.0	43.0	59.3
50.9	52.5	46.0	42.7	56.1
52.2	54.0	45.5	42.9	63.2
52.6	55.5	46.0	43.0	61.7
50.8	52.0	45.5	43.1	53.2
51.5	53.5	46.0	42.7	56.6
51.5	53.0	47.5	43.7	54.8
51.0	52.5	46.5	42.9	53.7
50.8	52.0	45.5	43.0	53.4
50.6	52.0	45.0	42.7	53.0
51.8	54.0	46.0	42.9	57.2
50.8	52.5	46.0	42.9	53.3
50.6	52.0	45.0	42.7	52.7
50.6	52.0	45.0	42.7	52.8
50.6	52.0	45.0	42.7	53.6
51.4	53.5	45.5	42.8	57.8
51.5	53.0	47.5	43.4	55.9
50.6	52.0	45.0	42.8	52.8
50.6	52.0	45.0	42.8	52.9
50.5	52.0	45.0	42.6	52.7
51.2	53.0	45.5	42.7	56.9
53.9	56.5	49.5	43.6	61.2
51.4	53.0	46.5	43.0	56.7
50.6	52.0	45.0	42.7	53.4
50.5	52.0	45.0	42.7	52.9
50.5	52.0	45.0	42.7	52.6
50.5	52.0	45.0	42.6	52.6
50.5	52.0	44.5	42.7	52.6
51.1	52.5	46.0	42.7	55.9
50.8	52.0	45.5	42.7	53.6
50.6	52.0	45.0	42.7	53.2
50.5	52.0	45.0	42.7	52.8
51.1	52.5	46.5	42.8	54.7
53.3	55.5	49.0	43.8	60.6
51.2	52.5	46.5	43.0	56.5
50.6	52.0	45.0	42.8	52.8
50.6	52.0	45.0	42.6	53.6
52.0	54.5	46.0	42.9	59.1
50.6	52.0	45.0	42.7	52.8

Raw Data (N1).txt

55.7	58.5	49.5	42.8	61.7
53.6	57.0	49.0	45.3	61.0
51.0	52.5	46.0	43.4	54.9
51.8	53.5	48.0	43.9	55.6
51.0	52.5	46.0	43.0	54.1
50.7	52.0	45.5	40.7	52.9
50.5	52.0	45.0	42.8	52.7
50.5	52.0	45.0	42.8	52.7
50.9	52.5	45.5	42.6	54.4
51.6	53.0	47.5	45.0	54.8
52.3	53.5	45.5	42.9	62.4
51.8	53.5	47.5	43.5	58.3
51.6	53.5	47.0	43.3	55.3
53.0	55.5	48.5	43.9	58.7
51.1	52.5	46.5	43.4	53.6
52.3	53.0	47.5	43.7	63.2
51.1	52.5	46.5	43.5	54.5
52.1	54.0	48.0	43.4	56.0
52.5	54.5	48.0	44.1	57.4
51.9	53.5	48.0	44.6	57.6
51.0	52.5	46.5	43.8	54.5
51.2	52.5	46.5	43.4	60.8
55.9	60.0	47.0	43.6	69.4
54.3	56.5	50.5	44.4	62.2
53.3	55.5	48.5	43.9	61.4
54.9	57.5	50.0	46.0	66.2
53.6	55.0	50.0	45.8	62.0
54.5	56.5	51.0	46.7	67.4
57.8	60.0	54.5	51.4	66.0
54.3	55.5	52.0	49.7	65.9
54.8	56.5	51.5	48.2	69.2
55.4	57.0	52.0	47.7	64.8
56.0	58.0	52.5	47.1	68.1
57.2	60.5	51.5	47.1	70.0
58.3	62.5	50.5	45.6	71.6
53.5	55.0	49.5	45.9	68.8
54.6	57.5	49.0	44.4	68.5
59.2	62.0	52.0	44.2	70.0
56.4	59.5	51.5	48.0	66.1
55.6	58.0	51.5	47.1	70.1
55.1	57.0	51.0	47.4	65.7
53.4	55.0	49.5	45.3	66.3
56.8	59.0	52.5	45.0	66.7
56.4	59.0	52.5	46.9	66.7
55.2	57.0	52.0	47.0	63.6
54.2	55.5	51.0	46.9	68.5
57.6	60.5	51.0	46.2	70.2
56.0	57.5	51.0	45.6	73.4
55.7	57.5	51.5	47.1	65.8
59.4	61.5	51.0	47.0	74.0
55.0	58.0	50.5	46.0	65.3
54.4	56.5	50.0	46.1	63.4
54.9	56.5	51.5	47.8	63.5
56.1	57.5	49.5	46.1	70.1
55.9	57.5	51.0	46.9	70.4
55.2	57.5	51.0	46.4	70.8
55.9	58.0	51.0	46.7	68.9
55.6	57.5	51.5	47.0	68.1
54.8	57.0	50.0	45.2	67.7
69.1	56.5	50.0	45.8	93.6
58.6	60.5	51.5	45.5	84.0
59.1	59.5	51.5	46.2	75.9
58.8	59.0	51.5	46.9	78.3
55.6	57.5	52.0	47.5	69.2
55.2	56.5	52.0	47.9	67.3
57.9	62.0	51.0	47.1	70.0
54.1	55.5	51.0	46.7	62.9
53.8	55.5	50.5	46.3	59.2
54.0	55.5	51.0	47.1	60.6
54.4	55.5	52.0	48.8	61.4
53.7	55.5	50.5	46.7	60.3
53.2	55.0	49.5	44.8	59.3
56.5	58.5	52.5	46.5	67.3
57.9	58.0	50.5	46.1	71.9
55.1	56.5	51.0	47.0	67.7

Raw Data (N1).txt

56.5	57.5	52.5	48.8	68.9
54.1	56.0	50.5	45.3	65.1
53.9	55.5	48.5	44.3	67.2
52.6	54.5	48.0	44.7	57.6
53.2	55.0	49.0	45.3	64.1
53.0	55.0	49.0	44.3	58.0
53.1	54.5	49.5	45.1	63.0
55.1	58.5	49.5	44.3	63.2
52.5	54.0	48.5	44.5	59.3
52.9	54.5	49.0	44.5	57.6
58.5	60.0	50.0	45.0	72.3
52.9	54.5	50.0	45.4	57.6
54.1	56.5	50.0	45.5	60.6
52.7	54.0	48.5	45.0	61.7
55.4	55.5	48.0	44.5	68.9
51.8	53.0	47.5	44.2	55.4
53.2	55.5	48.0	43.7	64.6
54.2	56.5	50.0	44.8	61.3
54.5	56.5	50.0	45.6	63.7
59.7	62.5	53.5	49.1	76.8
58.3	60.5	51.5	46.9	75.2
64.6	68.0	55.0	50.7	84.4
65.8	69.5	56.0	51.6	82.4
65.5	69.5	56.0	50.4	78.7
66.1	70.0	55.5	49.9	81.6
63.7	67.0	53.5	47.6	79.7
61.9	66.0	53.0	48.6	76.3
53.3	55.5	49.0	44.5	62.2
54.1	56.0	51.0	46.2	59.4
54.1	56.0	51.0	46.7	58.2
56.0	59.5	51.5	45.8	61.8
52.4	54.0	48.5	45.0	58.0
54.1	56.0	50.0	45.5	63.4
58.8	59.0	50.5	45.1	76.1
56.0	58.0	52.5	49.0	65.1
54.0	56.0	50.0	45.6	63.4
55.8	57.0	53.5	49.4	61.0
56.0	56.0	52.0	48.5	70.1
56.2	56.5	50.5	46.0	70.8
53.7	55.5	50.5	46.2	61.8
58.7	62.0	52.0	46.0	66.4
60.8	64.5	52.5	48.0	74.0
54.9	57.0	51.5	48.2	63.7
54.5	56.5	51.0	47.7	61.1
53.8	55.0	49.0	45.9	67.0
57.4	59.0	49.5	45.6	71.1
55.0	56.5	52.5	48.0	65.7
55.1	57.0	51.5	46.6	64.2
55.3	57.5	51.5	46.7	67.1
56.4	58.5	52.0	47.3	69.4
56.9	58.5	52.5	46.9	72.8
63.7	66.5	55.5	50.9	82.7
56.2	58.0	52.5	47.6	69.7
54.9	56.0	50.5	46.5	71.8
58.8	58.0	51.5	46.0	75.6
54.3	55.5	50.0	44.7	70.2
57.0	59.5	49.5	45.5	72.0
56.5	57.5	49.5	45.2	72.7
54.1	55.5	50.5	45.7	63.7
58.3	60.0	50.5	45.8	72.9
53.6	54.5	49.5	45.4	67.5
52.8	54.0	49.5	45.8	65.3
56.6	57.5	49.5	44.4	70.8
52.8	54.5	48.5	45.0	59.4
59.3	61.5	49.5	45.9	75.3
52.3	53.5	48.5	44.5	57.9
54.1	56.0	51.0	46.4	59.4
56.7	57.5	49.5	45.1	70.4
52.4	54.0	48.5	44.7	61.7
54.1	57.5	49.0	44.1	62.2
53.7	56.0	49.5	44.2	61.2
52.9	54.5	49.0	44.5	61.2
53.2	56.5	48.0	44.4	59.7
53.4	55.0	50.0	46.4	61.6
58.8	57.0	50.0	46.3	73.5

Raw Data (N1).txt

52.0	53.5	48.5	45.0	55.1
53.4	55.5	49.0	44.7	61.4
53.3	55.0	49.5	45.2	58.5
51.8	53.0	47.5	44.3	56.2
56.1	56.5	48.0	44.2	70.9
53.9	56.0	50.0	45.4	60.1
55.5	57.5	50.0	44.9	70.4
56.1	58.0	49.5	44.3	70.6
58.8	59.0	50.0	45.4	75.5
52.5	54.0	49.0	44.9	56.8
53.6	56.0	49.5	46.2	60.9
51.5	53.0	47.0	44.0	55.4
56.5	57.5	50.0	44.8	71.5
54.1	56.0	50.5	46.3	62.7
55.0	57.0	52.0	46.9	60.7
51.6	53.0	47.5	44.2	57.6
51.8	53.5	47.0	43.6	59.1
55.5	55.5	47.0	43.6	72.9
52.1	53.5	48.0	43.7	57.0
55.8	59.0	50.0	46.5	69.0
56.4	57.5	51.0	46.1	71.5
52.9	54.5	49.5	45.8	57.8
52.7	54.0	49.5	46.0	57.1
53.9	56.5	50.0	46.8	60.1
52.3	53.5	48.5	45.1	57.6
61.0	65.5	51.5	47.7	74.5
56.3	58.5	52.0	45.3	68.3
51.7	53.0	47.5	44.7	56.7
58.5	63.0	50.5	45.3	73.1
60.6	65.0	51.0	45.9	74.3
58.4	63.0	48.5	43.7	71.4
54.8	57.0	51.0	44.1	60.6
53.9	55.5	50.5	46.5	64.3
53.1	56.0	48.5	45.1	61.6
52.7	54.0	48.5	44.5	61.5
51.7	53.0	47.5	44.1	54.6
59.2	60.5	50.0	45.6	74.4
54.2	56.5	49.5	45.2	60.9
53.7	55.5	49.5	45.1	74.5
55.0	57.5	47.0	43.8	71.4
55.4	57.0	47.5	43.4	68.4
52.0	53.5	48.5	44.8	55.7
52.1	53.5	48.0	44.7	58.8
57.7	58.0	51.0	44.4	73.9
53.0	54.0	49.0	44.9	68.9
51.5	53.0	47.5	44.1	54.9
54.1	56.0	49.5	43.9	58.7
52.5	54.0	49.0	45.1	57.3
58.4	59.0	49.5	45.3	73.3
52.6	54.5	48.5	44.6	57.9
53.5	56.0	49.5	46.0	61.2
52.3	53.5	48.5	45.3	56.7
56.2	56.0	50.5	45.5	70.3
53.1	56.0	48.0	44.1	59.7
52.9	56.0	47.0	44.1	60.6
53.0	54.5	49.5	45.3	58.0
53.1	55.5	48.0	43.9	59.5
51.4	52.5	47.0	43.7	55.7
52.9	54.5	49.5	44.3	60.0
52.2	53.5	48.5	44.5	58.1
58.2	58.5	48.5	45.2	72.1
54.7	56.5	52.0	47.7	59.4
53.9	56.0	50.0	45.8	62.0
52.5	54.0	49.0	45.0	56.7
55.5	56.0	47.5	44.3	69.7
53.5	56.0	49.0	43.8	61.4
52.3	54.5	47.5	44.3	59.4
53.5	56.5	49.0	45.6	59.9
52.3	54.0	48.5	44.1	56.5
53.0	56.0	47.5	43.7	60.6
52.3	54.0	48.5	44.4	57.7
52.1	53.5	48.5	44.7	57.5
52.6	54.0	49.0	45.9	58.0
53.7	56.0	50.0	45.1	59.5
52.9	54.5	49.0	45.5	59.8

Raw Data (N1).txt

53.3	56.5	48.0	44.6	60.4
52.0	53.5	48.5	43.9	55.3
54.3	57.0	49.0	44.6	62.1
58.0	61.0	51.0	45.4	64.7
51.9	53.5	48.0	44.0	56.3
54.0	57.5	48.0	43.9	61.9
50.8	52.0	45.5	43.1	53.2
51.4	53.0	46.5	43.3	61.6
51.3	52.5	46.5	43.1	55.6
52.5	55.5	46.5	43.1	60.6
51.1	52.5	46.0	43.1	55.4
52.0	53.5	47.5	43.8	56.4
54.2	56.5	50.5	46.7	60.6
53.7	55.5	50.5	46.6	60.2
52.3	53.5	49.0	45.6	56.7
53.0	55.5	48.0	44.4	61.6
52.6	55.0	47.0	43.6	59.9
50.7	52.0	45.5	43.0	53.1
51.4	52.5	47.0	43.5	54.0
51.2	52.5	46.5	43.3	58.4
51.1	52.5	46.0	43.3	55.0
52.6	54.0	49.5	44.5	57.2
53.1	56.0	47.5	43.5	59.8
51.7	53.5	47.0	43.4	58.2
50.8	52.5	45.5	42.9	53.5
51.0	52.5	46.5	43.2	53.6
50.7	52.0	45.5	43.2	52.9
50.6	52.0	45.0	43.0	52.9
52.1	54.5	46.5	43.1	58.3
50.7	52.0	45.5	43.0	53.1
51.4	53.0	47.5	43.8	54.1
51.3	52.5	47.0	43.9	56.3
50.9	52.5	46.0	43.6	53.2
50.9	52.5	46.0	43.6	53.4
51.7	53.0	47.5	44.3	57.9
52.9	55.0	48.5	44.7	61.6
51.0	52.5	46.0	43.7	53.9
50.8	52.5	45.5	43.5	53.2
51.5	53.0	47.5	44.4	54.1
51.4	52.5	47.5	44.5	54.3
51.7	53.0	47.0	44.0	58.6
51.4	53.0	47.0	44.3	57.6
51.1	52.5	46.5	44.2	56.4
51.5	53.0	47.0	44.5	55.7
52.1	53.5	48.5	44.9	56.7
53.3	56.0	48.5	45.0	62.4
51.8	53.0	48.0	45.3	55.6
51.2	52.5	47.0	44.2	54.4
51.2	52.5	47.0	44.2	53.8
51.0	52.5	46.0	44.1	53.2
51.0	52.5	46.0	44.2	58.3
51.1	52.5	46.5	44.1	53.8
51.2	52.5	47.0	44.1	54.0
50.9	52.5	46.0	43.9	53.3
51.2	52.5	46.5	43.5	55.1
51.0	52.5	46.0	43.9	53.6
51.1	52.5	46.5	43.7	53.7
51.4	53.0	46.5	43.8	55.7
53.3	55.5	49.0	45.4	68.1
51.2	52.5	46.5	43.7	55.0
50.8	52.5	45.5	43.7	53.8
52.4	54.5	47.5	44.2	58.8
50.9	52.5	46.0	43.7	53.6
50.8	52.0	45.5	43.6	53.0
51.1	52.5	46.5	43.5	53.7
50.9	52.5	46.0	43.3	53.4
52.3	54.0	48.5	43.7	57.8
51.0	52.5	46.0	43.7	54.5
50.8	52.0	45.5	43.3	53.0
50.9	52.0	45.5	43.5	56.6
51.3	52.5	46.0	43.5	57.9
50.9	52.5	45.5	43.2	54.3
50.8	52.5	45.5	43.3	53.4
51.6	53.5	46.5	43.8	57.6
52.5	54.0	49.0	44.8	57.3

Raw Data (N1).txt

51.6	53.0	47.0	43.6	56.5
51.9	53.5	47.5	43.5	56.7
51.2	52.5	46.5	41.4	55.1
54.5	53.5	49.0	44.7	72.4
52.0	53.5	48.5	45.1	55.1
57.8	59.5	49.0	44.6	74.3
52.0	53.5	48.5	44.8	56.3
52.4	54.0	48.0	44.3	60.3
53.6	53.5	48.0	44.5	71.1
51.4	53.0	46.5	43.5	63.1
56.3	59.5	50.0	44.4	62.9
53.6	56.0	49.0	43.8	61.0
54.0	56.0	50.5	44.3	63.1
52.2	54.0	48.0	43.7	59.9
54.4	57.0	49.0	44.0	62.1
55.5	58.0	52.0	48.4	65.1
56.4	58.5	52.5	48.6	68.6
54.2	55.5	51.0	46.8	70.2
55.4	56.5	51.0	47.7	69.1
55.3	56.5	52.5	49.5	67.2
55.4	57.5	51.5	47.8	67.8
54.0	56.0	49.5	45.7	67.8
58.5	62.0	51.0	45.9	72.3
55.9	57.5	52.0	47.2	67.2
55.0	57.5	50.5	45.4	62.7
53.7	55.0	49.5	45.0	67.5
55.8	57.5	52.5	48.3	65.2
55.5	58.0	51.5	47.5	66.0
53.8	55.5	50.0	44.8	63.0
53.5	55.0	49.0	44.3	65.5
56.6	60.0	50.5	46.7	67.7
54.2	56.5	50.5	46.1	62.5
54.1	56.0	51.0	46.1	64.2
56.4	60.0	50.0	45.9	69.5
55.6	57.0	51.5	46.4	66.4
56.7	60.5	51.5	48.0	66.6
54.6	56.0	51.5	48.1	64.8
60.3	64.0	53.5	48.6	72.5
57.5	60.0	52.5	48.2	75.1
59.2	62.0	54.5	50.7	68.6
62.7	65.0	56.5	53.9	79.4
61.5	64.0	56.5	51.7	73.6
62.4	65.0	56.0	53.1	79.6
57.4	59.0	54.5	52.4	69.6
57.2	58.5	54.5	52.4	68.8
72.6	65.0	53.5	49.6	100.6
59.7	63.0	53.0	49.0	77.8
57.5	60.0	52.5	49.3	71.3
58.1	61.0	54.0	51.2	68.8
61.7	65.0	55.5	51.3	74.5
58.9	62.0	54.5	51.9	71.4
59.7	62.5	55.0	51.0	71.4
58.3	60.5	54.5	51.6	68.6
59.1	61.5	55.5	53.1	72.8
58.5	61.0	55.5	52.5	70.8
57.8	59.5	55.0	52.6	70.2
58.6	61.0	54.5	50.6	71.7
58.2	61.0	54.0	50.7	68.8
57.7	60.0	53.5	50.1	69.2
56.7	58.5	53.5	50.2	68.8
60.3	63.5	53.5	50.4	70.0
61.4	64.0	54.5	50.7	73.3
58.3	61.0	54.0	50.8	70.2
57.8	60.5	54.0	51.0	69.9
56.8	58.0	55.0	52.8	68.9
59.2	61.0	55.0	52.9	70.9
57.1	57.5	54.5	52.7	76.6
58.2	60.5	55.0	52.5	68.9
55.0	56.0	52.5	50.3	62.5
54.5	55.5	52.5	50.4	66.0
59.1	60.0	53.0	50.4	72.4
55.6	58.0	52.5	50.2	67.8
54.7	56.5	52.0	50.3	64.3
58.0	58.5	54.5	51.8	69.1
58.9	58.0	53.5	50.7	72.2

56.8 59.0 52.0 49.2 72.1
58.9 61.5 55.5 53.3 64.1

Br el & Kj r
Sound Level Meter Type 2238
Logging BZ7124 ver. 1.2.0

FILENAME: 003.M24

SETTINGS:

Serial no: 2285721
Range: 32.0 - 112.0 dB
Peaks Over: 140 dB
2nd Exch. Rate: 4 dB
Period Time: Normal
Logged Every: 05:00
Detector 1 (RMS)
Bandwidth: Broad Band
Freq. Wgt.: A
Detector 2 (Br.Band)
Weighting: Peak/C
Sound Incidence: Frontal
Windscreen Correction: Off

CALIBRATION:

Micr.: 2588103
Sensitivity: -30.8 dB
Date: 2013 Dec 23 18:13:39

OVERALL RESULTS:

Start Date 2014 Jan 24
Start Time 12:33:52
Elapsed Time 71:59:58
Overload 0.0 %
Underrange 0.0 %

RMS MEASUREMENT RESULTS:

Bandwidth: Broad Band
Freq. Wgt.: A

LFMax 95.2 dB
LSMax 88.6 dB
LIMax 99.2 dB
LFMin 39.6 dB
LSMin 49.2 dB
LIMin 51.1 dB
LAFTm5 64.3 dB
Leq 58.1 dB
LLeq 63.3 dB

PEAK MEASUREMENT RESULTS:

Freq. Wgt.: C

#Peaks 0
Lpkmax 108.3 dB

LOGGED RESULTS (1 of 1):

Marker LAF10 LAFMin
LAeq LAF90 LAFMax

OU1234 dB dB dB dB dB

53.5 55.0 49.5 46.1 65.6
59.0 57.5 50.0 46.7 74.5

Raw Data (N1).txt

54.9	57.0	51.5	47.1	67.5
55.4	57.0	50.0	46.5	69.1
52.8	54.0	48.5	45.5	64.4
59.6	63.0	53.5	46.3	75.8
58.5	60.0	55.0	53.6	74.0
59.4	60.0	58.0	56.5	68.9
59.1	60.0	57.5	56.4	67.3
60.1	60.5	59.0	57.7	70.0
60.2	60.5	59.5	58.4	62.6
60.3	60.5	59.5	58.5	64.3
61.3	62.0	59.5	58.4	69.7
59.3	60.0	58.5	57.2	64.4
59.8	60.5	59.0	58.0	65.3
59.8	60.0	59.0	57.7	69.0
60.6	62.0	59.5	58.2	69.1
60.1	60.5	59.0	58.2	67.8
60.2	61.0	59.0	57.5	64.7
61.7	62.5	59.0	57.8	73.2
60.4	61.0	57.5	55.9	76.0
58.8	60.0	57.5	55.7	65.6
58.5	59.5	56.5	54.7	74.9
58.1	59.0	56.5	55.2	68.2
57.7	58.5	56.0	54.7	68.4
58.7	60.0	57.0	55.1	69.8
62.5	64.0	60.0	58.3	73.9
62.5	64.5	60.0	58.7	72.5
61.7	63.5	59.5	58.2	68.0
64.1	66.0	59.0	57.2	77.2
59.6	62.5	56.5	54.4	68.8
58.2	59.0	56.5	54.7	68.5
59.7	62.0	57.0	55.3	68.5
59.6	60.5	57.5	56.0	69.4
60.0	60.5	58.5	56.1	66.6
62.6	65.5	60.0	58.5	68.8
63.7	66.5	60.5	58.0	72.8
65.0	66.5	61.0	58.5	73.7
65.4	66.5	63.5	60.6	73.8
67.1	68.5	60.5	58.7	83.5
61.4	62.0	60.5	58.8	68.9
61.2	62.0	59.0	56.7	72.8
60.8	63.0	58.0	56.5	74.1
59.3	60.0	57.5	56.7	70.3
59.9	60.5	58.5	57.2	68.8
58.8	59.5	57.0	54.9	66.9
58.4	58.0	51.0	46.3	74.5
61.3	64.5	51.0	46.1	75.8
62.5	66.5	53.0	46.6	73.3
64.2	68.0	56.5	54.3	76.9
63.1	65.0	56.5	54.9	80.3
61.1	65.0	53.0	46.7	76.0
64.1	65.0	54.5	45.8	84.0
65.4	70.0	52.0	46.7	76.8
59.1	63.5	50.5	45.6	71.5
55.2	57.5	50.0	45.9	70.4
60.6	64.5	53.0	46.9	71.8
58.9	63.0	51.5	46.4	69.2
56.1	55.0	49.5	46.4	73.9
52.4	54.0	48.0	44.4	57.5
52.9	54.0	49.5	45.2	69.2
58.7	58.5	50.0	45.9	76.2
71.7	77.0	53.5	47.5	84.8
70.2	75.5	52.0	46.3	84.3
69.9	74.0	51.0	46.1	85.5
72.7	78.5	53.0	47.0	85.2
68.1	71.5	50.0	44.8	82.6
68.3	71.5	53.0	45.3	83.7
68.6	73.0	53.0	47.1	84.8
59.4	60.5	51.0	46.4	79.7
53.2	55.0	49.0	44.8	60.2
53.8	56.5	49.0	45.7	66.8
60.7	65.5	49.5	44.4	75.9
60.1	64.5	49.5	44.0	76.6
59.1	61.5	50.0	46.4	74.1
53.8	55.5	49.5	45.3	67.4
51.7	53.0	47.5	44.2	54.8

Raw Data (N1).txt

52.2	54.0	48.0	43.8	56.1
55.3	55.5	47.0	43.7	70.5
56.5	56.0	49.0	44.6	77.9
53.1	54.5	49.0	45.3	60.7
59.0	54.5	48.5	44.5	81.3
51.7	53.0	47.0	43.8	56.0
56.9	58.0	50.0	45.9	72.1
52.1	53.5	48.0	45.4	57.1
52.1	53.5	47.5	44.5	55.9
54.5	57.0	48.5	43.9	64.3
53.9	55.5	48.5	44.7	64.1
58.8	59.0	49.5	43.6	77.1
56.2	59.0	47.5	43.8	71.8
55.7	55.5	48.0	44.0	76.8
51.5	53.0	47.0	43.6	55.2
54.2	57.0	49.0	43.5	60.5
53.0	54.5	49.0	45.5	67.6
53.6	56.5	48.0	44.3	62.1
55.7	55.5	48.5	44.1	71.0
53.2	54.0	48.0	44.7	67.9
51.7	53.0	47.0	44.2	59.6
54.1	56.0	50.5	46.1	61.8
52.6	54.0	48.5	44.6	58.5
51.4	53.0	46.5	43.4	54.3
56.2	58.0	47.5	43.7	69.0
52.1	53.5	48.5	44.3	55.7
51.5	53.0	47.0	43.7	55.8
55.1	58.0	50.5	44.7	62.0
53.2	55.5	48.5	44.3	59.4
51.9	53.0	47.5	44.3	57.1
57.0	58.5	50.5	44.3	70.4
53.0	55.0	48.5	44.4	58.6
52.8	54.5	48.5	44.3	58.2
55.9	58.5	52.0	44.6	63.4
52.1	53.5	48.0	44.5	57.0
52.2	53.5	48.0	44.2	56.9
52.6	54.5	48.0	43.7	58.7
53.2	55.5	49.0	45.4	58.6
52.5	54.5	48.0	44.6	58.1
59.3	61.5	50.0	45.7	73.9
53.2	55.5	48.5	44.3	59.5
51.5	53.0	47.0	44.0	54.5
53.3	56.0	48.0	44.3	61.4
55.9	55.5	49.0	44.8	71.1
52.1	54.0	47.5	43.4	57.9
54.1	57.0	50.0	43.7	61.3
53.5	56.0	48.5	43.8	61.9
55.5	55.5	48.0	43.9	70.6
52.1	53.5	47.5	43.7	56.6
52.0	53.5	47.5	43.6	58.7
52.0	53.5	47.0	43.7	58.8
54.2	56.5	49.5	44.7	62.4
51.8	53.0	47.5	43.7	56.4
51.8	53.0	47.5	44.1	56.6
54.0	56.0	50.0	46.2	61.6
52.3	53.5	48.5	44.4	55.8
51.2	52.5	46.0	43.7	54.0
52.5	54.0	47.5	43.5	60.3
52.0	53.5	48.0	43.9	56.8
51.1	52.5	46.0	43.2	54.0
52.7	55.5	47.0	42.9	61.6
51.1	52.5	46.0	43.4	55.1
63.0	53.0	46.5	43.4	82.6
53.3	55.5	48.0	44.1	60.5
59.5	64.0	50.0	44.8	67.1
53.3	56.0	47.5	43.5	61.8
51.8	53.5	47.0	43.5	57.6
51.4	52.5	46.5	43.4	55.3
50.9	52.5	45.5	42.7	53.1
53.1	55.5	48.0	43.4	59.9
51.5	53.0	47.0	43.7	56.0
51.4	53.0	46.5	43.4	54.9
51.6	53.0	47.0	43.2	57.0
51.1	52.5	46.0	43.3	56.1
51.6	53.0	47.0	43.2	59.0

Raw Data (N1).txt

53.8	57.0	48.0	43.2	60.9
52.0	53.5	48.0	43.5	55.9
51.0	52.5	45.5	43.3	54.0
50.9	52.5	45.0	42.9	55.2
51.8	53.5	47.0	42.9	56.0
52.3	54.0	48.0	43.0	57.2
52.4	54.5	48.0	43.2	57.5
51.3	52.5	46.0	43.1	58.8
50.9	52.5	45.5	42.9	53.3
51.3	52.5	46.0	42.8	55.8
51.0	52.5	45.5	43.1	54.2
50.8	52.5	45.0	42.7	53.4
52.7	55.5	46.0	43.1	61.6
50.9	52.5	45.5	42.8	53.9
51.3	52.5	46.5	42.6	54.1
50.9	52.5	45.0	42.8	53.2
50.8	52.5	45.0	39.6	52.8
50.8	52.5	45.0	42.6	53.5
52.4	55.0	46.0	42.8	59.1
50.8	52.5	45.0	42.8	53.1
50.8	52.5	45.0	42.7	52.8
50.8	52.5	45.0	42.7	53.2
50.8	52.5	45.0	42.7	53.5
52.8	55.0	47.0	42.7	58.8
53.6	55.5	48.0	44.0	64.1
51.1	52.5	46.0	42.9	54.1
50.8	52.5	45.0	42.8	53.0
51.0	52.5	45.5	43.0	54.9
52.7	54.5	48.0	43.1	58.3
52.6	55.5	46.0	42.9	61.3
51.9	53.5	47.5	43.8	56.3
51.4	53.0	46.5	42.9	55.4
51.0	52.5	45.5	42.9	53.5
50.8	52.5	45.0	42.8	52.9
50.8	52.5	45.0	42.8	52.9
51.1	52.5	45.5	42.7	55.8
51.4	53.0	46.0	43.0	55.9
51.2	52.5	46.0	43.2	54.3
51.3	52.5	46.5	43.3	53.9
50.9	52.5	45.0	40.8	53.4
51.5	53.0	46.5	42.9	55.9
50.9	52.5	45.5	42.6	53.7
52.9	56.0	47.5	43.4	60.3
50.9	52.5	45.5	42.8	53.6
50.9	52.5	45.5	43.0	53.8
50.8	52.5	45.0	42.7	54.5
52.9	56.0	46.5	43.0	60.5
50.8	52.5	45.0	42.8	53.0
51.1	52.5	46.0	42.6	53.7
52.1	53.5	47.5	43.6	56.8
51.6	53.0	46.5	43.0	57.9
51.1	52.5	46.0	43.0	54.4
51.7	53.0	47.5	44.5	55.4
53.3	55.0	49.5	44.2	58.8
50.9	52.5	45.0	43.0	53.3
50.8	52.5	45.0	42.8	53.2
50.8	52.5	45.0	42.8	53.1
50.8	52.5	45.0	42.8	53.1
51.7	53.5	47.0	42.7	55.4
51.4	52.5	46.5	43.6	55.2
52.1	54.5	46.0	43.0	59.4
51.4	53.0	46.5	42.9	56.2
52.0	53.5	47.5	42.1	56.1
52.2	54.0	48.0	43.8	56.7
52.3	54.0	47.0	43.3	62.4
52.1	53.5	48.0	44.5	56.5
51.5	53.0	46.5	43.4	56.2
51.6	53.0	47.0	43.5	56.1
51.0	52.5	45.5	42.9	60.3
53.5	56.0	48.0	43.2	65.8
52.1	53.5	47.5	43.4	61.8
51.8	53.5	48.0	43.2	56.8
53.6	56.0	49.0	44.8	60.7
54.9	57.5	50.0	45.2	65.4
58.7	62.5	51.5	45.5	69.3

Raw Data (N1).txt

58.3	62.0	51.5	46.3	71.6
57.3	60.0	51.5	46.0	72.6
56.5	59.5	51.5	46.2	66.6
55.3	57.0	52.0	47.6	68.0
56.3	59.0	51.5	46.5	69.2
54.7	57.0	49.5	45.0	70.4
54.7	57.5	50.0	44.4	68.5
53.2	54.0	48.0	44.2	68.0
57.0	58.0	49.5	44.2	77.8
56.8	59.0	52.0	46.1	69.4
54.9	57.0	51.0	45.7	66.5
53.4	55.0	49.5	44.9	62.2
54.4	56.0	51.5	47.3	63.0
53.8	55.5	49.0	45.5	67.9
56.6	59.5	49.5	44.8	69.1
54.2	56.0	51.0	46.0	65.4
54.3	55.5	51.0	46.2	73.9
52.9	55.0	48.5	44.9	64.0
53.1	54.5	48.0	43.7	65.7
55.6	55.5	49.0	44.0	72.9
58.1	58.5	49.0	45.2	74.9
54.2	57.0	49.0	44.5	64.1
54.5	56.5	50.5	45.2	68.6
54.3	56.0	50.5	45.2	64.2
69.7	59.0	49.5	44.3	95.2
51.5	52.5	46.5	43.6	65.7
53.5	55.0	48.5	43.7	63.9
58.2	61.5	51.0	45.4	72.7
57.5	59.5	50.0	44.9	75.1
58.2	61.0	51.0	46.5	74.7
57.8	60.0	50.0	45.2	77.3
53.2	54.0	49.0	44.4	64.0
59.5	61.5	50.5	46.2	75.3
56.4	60.0	50.5	44.9	63.5
54.2	54.5	49.5	45.4	73.2
53.8	55.5	49.5	45.2	68.0
56.7	57.0	49.5	44.7	74.9
52.3	53.5	48.0	44.2	65.2
53.1	54.5	49.5	45.1	59.6
54.8	56.5	50.5	45.9	67.3
52.9	54.5	48.5	44.5	61.2
52.1	53.5	48.0	44.7	59.4
53.5	55.0	50.0	46.0	61.8
52.9	54.0	49.5	46.2	60.6
59.5	60.5	49.5	45.1	76.9
55.3	57.5	50.5	45.2	64.4
52.3	53.5	48.5	44.4	60.5
53.4	55.0	49.0	44.5	62.9
57.5	59.5	49.0	44.5	72.5
52.0	53.5	47.5	44.0	59.3
52.5	54.0	48.0	44.1	64.3
53.1	54.5	49.0	44.8	63.3
52.2	53.5	48.0	44.5	61.3
52.9	54.5	48.0	44.3	66.5
53.0	53.5	46.5	43.6	67.9
53.5	54.5	49.0	44.1	72.2
58.9	58.0	48.0	42.7	78.4
53.1	55.0	48.5	44.6	68.4
52.6	54.0	48.5	44.5	63.6
52.7	53.5	48.0	44.9	68.1
56.4	57.5	50.0	46.0	74.1
52.7	54.5	48.0	45.0	64.9
52.7	54.0	48.5	45.1	69.5
58.4	58.5	50.0	45.8	75.1
53.4	54.5	50.5	47.2	61.2
52.4	54.0	48.0	44.1	58.0
55.6	56.5	47.5	43.7	72.5
52.4	54.0	48.0	44.0	60.0
59.0	60.5	50.5	46.3	75.9
52.2	53.5	47.5	43.9	57.6
52.1	53.5	48.0	44.7	63.9
52.7	54.0	49.0	44.9	61.5
52.5	54.0	49.0	44.7	57.0
61.0	65.5	49.0	45.4	77.2
53.9	55.0	48.0	44.1	67.5

Raw Data (N1).txt

60.8	64.5	51.5	46.5	75.5
53.8	54.0	48.5	45.0	68.0
53.4	53.5	48.0	44.7	68.0
52.1	53.5	48.0	44.8	61.6
54.1	57.5	48.0	44.1	65.6
54.1	54.0	47.5	44.2	70.9
57.3	55.0	49.5	46.0	74.9
52.8	54.0	49.0	45.7	61.9
54.1	55.0	49.0	44.2	70.8
52.6	53.5	48.0	44.6	70.3
55.8	55.5	48.5	44.6	72.5
51.7	53.0	47.5	44.3	58.3
53.2	55.0	49.0	44.4	67.3
55.2	58.0	49.5	45.1	65.2
52.3	53.5	48.0	44.4	58.4
58.2	58.5	49.0	45.4	74.6
53.5	55.0	50.0	46.0	68.5
52.3	53.5	48.0	44.3	62.9
57.1	58.5	50.5	45.4	72.0
53.7	55.5	49.0	44.9	68.0
58.0	62.0	50.5	45.1	73.0
56.4	59.0	50.5	45.1	68.2
59.4	64.0	49.0	44.6	73.4
52.5	53.5	47.5	44.3	64.8
53.5	55.5	49.0	44.6	66.1
58.2	62.5	49.0	44.3	72.5
53.6	53.5	47.5	44.0	70.7
54.0	55.5	49.0	44.4	67.9
52.6	54.0	48.5	44.1	63.1
52.2	53.5	48.0	43.9	60.9
53.2	55.5	48.5	44.3	60.5
53.3	55.0	49.0	44.5	63.8
52.0	53.5	47.5	44.1	61.0
52.6	54.0	49.0	45.1	59.7
52.9	54.0	48.5	44.7	68.7
59.2	60.0	50.0	45.0	75.7
53.5	55.0	50.0	46.0	65.1
57.1	56.5	49.5	45.1	75.1
51.9	53.5	48.0	44.6	56.4
57.9	58.5	48.0	44.2	76.0
51.8	53.0	47.0	43.6	62.7
51.6	53.0	47.0	43.6	58.0
54.2	55.0	49.5	45.9	69.8
56.8	60.5	49.5	45.2	69.3
57.0	61.0	49.0	45.2	68.0
55.5	59.0	49.5	44.5	69.1
51.7	53.0	47.0	44.1	57.3
59.8	59.0	49.0	45.2	77.4
51.9	53.5	47.5	44.2	55.8
58.8	56.5	48.0	43.8	76.4
52.1	53.5	47.5	43.9	58.1
51.6	53.0	47.5	43.5	55.4
51.6	53.0	47.0	43.6	63.5
55.9	57.5	47.5	43.3	71.0
54.8	56.0	49.0	44.4	70.9
53.8	55.0	48.5	44.5	64.5
57.1	57.5	48.0	44.4	76.3
52.3	53.5	47.5	44.0	61.1
52.0	53.0	47.0	44.1	70.2
53.4	53.5	48.0	44.9	66.2
52.6	54.5	48.5	44.2	60.6
60.1	63.0	48.5	44.5	77.7
53.5	55.5	48.5	44.7	63.1
51.8	53.0	47.5	43.8	66.8
56.3	56.5	50.0	45.5	72.1
52.5	54.5	48.0	44.2	61.3
52.9	55.0	48.0	43.7	60.1
52.4	54.0	48.5	44.5	62.6
52.1	53.5	47.5	44.2	61.0
51.9	53.0	47.5	43.8	63.0
55.5	54.5	48.5	44.7	70.2
53.8	55.0	47.5	43.8	66.8
53.6	56.0	48.5	43.9	68.8
51.9	53.5	47.0	43.7	58.8
51.1	52.5	46.0	43.5	53.6

Raw Data (N1).txt

51.1	52.5	46.0	43.3	53.4
55.5	56.5	48.0	43.6	69.8
51.5	53.0	46.5	43.7	55.3
52.8	54.5	49.0	44.3	59.8
53.4	55.0	49.5	44.1	60.7
52.2	53.0	47.0	43.6	62.7
56.7	59.5	48.5	43.7	76.3
52.3	53.0	46.5	43.6	65.4
52.0	52.5	46.0	43.3	68.8
59.2	60.0	48.5	44.2	76.1
52.0	53.5	47.5	43.8	58.2
51.7	53.0	47.5	43.8	57.0
55.2	57.0	48.0	44.0	70.8
56.1	54.5	48.5	43.9	73.8
51.7	53.0	47.0	43.6	56.3
51.8	53.0	47.0	43.6	59.6
52.5	54.0	48.0	44.0	63.9
54.0	54.0	47.5	44.0	67.6
53.0	54.5	48.5	44.4	66.3
56.6	59.5	48.0	44.0	70.4
51.2	52.5	46.0	43.6	55.0
52.6	54.5	48.0	43.4	60.0
53.8	55.5	50.0	44.5	61.8
52.3	53.5	48.5	43.8	57.3
52.2	53.5	48.0	43.8	57.9
51.8	53.0	47.0	43.4	58.5
52.6	55.0	47.0	43.6	61.5
57.4	58.0	47.5	43.7	72.0
52.3	54.0	48.0	44.0	56.8
52.0	53.5	48.0	44.4	56.6
51.6	53.0	47.0	43.7	59.9
56.2	54.5	47.5	44.1	75.3
51.3	52.5	46.0	43.5	58.1
52.4	54.0	48.0	43.7	59.0
52.2	53.5	47.5	43.7	60.5
52.2	53.0	47.5	44.0	69.4
51.9	53.0	47.0	43.5	69.5
51.7	53.0	47.0	43.5	57.3
51.2	52.5	46.0	43.5	55.2
52.6	54.5	48.0	43.7	59.6
52.3	53.5	48.0	44.0	57.4
51.8	53.5	47.0	43.8	56.2
52.4	53.5	47.5	44.4	60.8
52.0	53.5	47.5	43.9	58.2
51.9	53.0	46.5	43.4	61.3
52.9	54.5	49.5	45.2	58.5
51.8	53.5	47.0	43.7	58.0
51.2	52.5	46.0	43.5	58.7
52.1	53.0	46.5	43.6	64.8
51.5	53.0	47.0	43.6	56.0
51.2	52.5	46.5	43.6	53.7
51.7	53.5	46.5	43.5	57.5
52.1	53.5	48.0	43.7	58.4
52.3	54.0	47.5	43.9	57.5
51.3	52.5	46.5	43.8	54.6
55.7	58.0	49.0	44.5	68.5
51.3	52.5	46.5	43.9	56.1
52.0	53.5	47.0	43.8	59.0
51.8	53.0	47.5	44.5	56.2
51.4	52.5	46.5	43.9	55.1
51.7	53.0	47.0	43.5	57.0
51.3	52.5	46.5	43.8	54.9
51.3	52.5	46.5	43.8	54.4
51.8	53.5	46.5	43.3	61.5
53.6	55.0	47.0	43.5	69.2
51.3	52.5	46.0	43.3	67.6
53.3	56.5	46.5	42.3	64.5
51.2	52.5	45.5	43.2	63.6
51.4	52.5	46.5	43.5	56.4
52.4	54.0	48.0	43.4	57.6
51.6	53.0	47.0	44.0	57.0
51.1	52.5	46.0	43.4	53.7
51.2	52.5	46.0	43.4	54.3
51.2	52.5	46.0	43.6	54.1
51.1	52.5	46.0	43.4	53.8

Raw Data (N1).txt

52.0	53.5	46.5	43.3	61.1
50.9	52.5	45.5	43.1	55.6
51.1	52.5	46.0	43.3	53.9
51.0	52.5	45.5	43.0	53.3
50.9	52.5	45.0	43.0	53.0
51.0	52.5	45.5	43.2	53.8
51.2	52.5	46.0	43.2	56.4
51.0	52.5	45.5	43.2	53.2
50.9	52.5	45.5	43.1	53.7
51.4	52.5	45.5	43.0	59.0
51.3	52.5	46.5	43.3	54.7
51.0	52.5	45.5	43.2	53.2
51.4	53.0	46.0	43.2	57.2
51.2	52.5	46.0	41.8	56.2
50.9	52.5	45.5	43.0	53.7
50.9	52.5	45.5	43.1	53.2
51.7	53.5	46.5	43.1	57.0
51.5	53.0	46.0	43.4	57.4
52.4	54.5	47.0	43.4	60.0
50.9	52.5	45.5	43.1	53.1
50.8	52.5	45.5	43.1	52.9
50.8	52.5	45.0	42.9	52.9
50.8	52.5	45.0	42.9	52.9
51.3	52.5	46.0	43.2	55.6
51.4	53.0	47.0	44.0	54.0
51.0	52.5	46.0	43.2	53.4
51.7	53.5	46.5	43.3	56.7
51.7	53.5	46.5	43.1	57.2
51.4	53.0	46.5	43.1	55.2
51.4	53.0	46.5	43.1	55.4
52.0	53.5	46.5	43.3	59.5
50.9	52.5	45.5	43.1	53.2
50.9	52.5	45.0	42.9	55.5
51.4	52.5	46.0	43.0	57.8
51.5	53.0	47.0	44.3	56.2
51.0	52.5	46.0	43.2	53.5
51.1	52.5	46.0	41.0	55.2
50.9	52.5	45.5	42.9	53.0
51.0	52.5	45.5	43.2	53.6
51.1	52.5	46.0	43.2	54.8
51.3	53.0	46.5	43.2	55.3
50.8	52.5	45.0	43.1	53.0
50.9	52.5	45.5	42.9	53.0
50.8	52.5	45.0	42.9	53.0
50.9	52.5	45.5	43.0	53.2
51.0	52.5	46.0	43.3	53.3
51.5	53.0	47.0	43.3	54.7
50.9	52.5	45.5	43.3	53.2
51.3	52.5	46.0	43.2	56.2
51.1	52.5	46.0	43.4	53.9
52.0	53.5	47.5	44.1	58.3
51.3	52.5	46.5	43.9	54.5
53.1	56.0	47.5	43.9	60.8
51.3	52.5	46.5	43.6	58.2
51.5	53.0	46.5	43.3	60.2
51.6	53.0	47.0	43.8	55.6
51.2	52.5	46.0	43.4	61.4
51.4	53.0	47.0	43.3	56.0
51.3	52.5	46.5	43.6	56.6
52.0	53.5	48.0	42.7	55.5
52.9	55.0	47.5	43.8	62.0
53.2	56.0	48.5	44.3	58.5
53.7	55.0	49.5	46.4	73.6
54.9	58.0	49.5	46.0	66.6
54.4	56.5	50.5	46.7	65.2
54.4	56.5	50.0	45.2	63.2
54.4	56.0	50.5	45.8	72.7
55.1	57.5	50.5	46.3	68.0
55.7	57.5	51.5	46.6	68.9
58.8	62.5	53.0	47.7	69.4
54.3	56.0	51.0	47.3	61.1
56.4	59.0	52.0	46.9	65.8
54.1	56.5	50.0	45.8	64.8
56.2	59.0	51.5	45.1	72.0
53.8	55.5	50.0	44.9	65.1

Raw Data (N1).txt

54.3	56.0	50.5	45.9	66.6
55.4	58.5	50.0	45.0	66.9
54.7	56.5	48.5	44.3	67.9
55.5	57.5	51.0	45.4	71.9
55.0	57.0	51.5	46.6	62.6
55.2	56.5	51.0	46.9	68.6
53.8	55.5	50.0	45.7	65.0
55.0	58.0	50.5	45.5	65.1
60.1	62.5	54.5	49.8	76.4
61.4	63.0	58.5	56.7	69.5
63.7	66.0	60.5	58.9	75.2
62.7	64.0	59.5	58.2	75.5
63.3	66.0	59.5	58.0	73.9
64.5	67.5	60.0	58.6	77.7
66.2	69.5	60.5	59.0	78.9
66.6	69.0	60.5	58.8	83.5
63.6	66.0	59.0	57.7	77.6
61.8	65.0	58.5	57.0	71.1
59.6	61.0	57.5	55.7	68.7
58.6	59.0	57.0	55.5	69.3
61.2	63.5	58.0	55.3	72.2
58.9	59.5	57.0	55.3	71.8
60.6	63.0	58.0	56.2	73.4
61.5	62.0	59.5	57.7	76.1
62.4	63.0	60.0	57.9	76.8
61.3	62.0	60.0	58.9	68.0
61.8	62.5	60.5	59.5	71.0
62.2	64.0	59.0	57.4	77.6
60.2	60.5	58.0	56.8	71.6
60.4	62.0	57.5	56.0	75.0
58.6	59.5	57.0	55.5	70.2
58.1	59.0	56.5	55.1	70.7
60.0	61.5	58.5	56.9	65.3
59.7	60.5	58.0	56.1	73.4
61.9	63.0	58.5	57.2	75.0
63.5	67.5	59.0	57.6	74.2
61.1	62.5	58.0	54.7	80.1
58.7	62.0	51.5	46.4	72.4
61.9	58.5	49.0	45.3	79.1
53.5	55.0	48.5	45.2	65.8
54.8	56.5	50.0	45.5	71.6
53.6	54.5	49.5	46.0	66.6
54.6	55.5	50.0	45.8	67.0
56.2	58.0	49.0	44.9	71.5
53.1	54.0	48.5	44.8	67.9
58.4	56.5	49.0	45.8	77.2
53.9	53.5	48.5	45.6	71.2
54.9	57.5	49.0	45.2	67.8
59.8	60.5	58.5	57.5	66.9
60.4	62.0	57.5	55.8	71.8
60.6	59.5	57.5	56.3	78.5
59.5	59.5	57.0	55.7	72.3
61.2	63.0	57.5	55.7	74.4
61.9	64.5	58.0	56.4	75.7
63.9	67.0	58.0	55.7	79.3
63.4	66.0	59.5	57.8	78.5
65.0	68.0	60.5	59.2	77.7
62.8	65.5	58.5	57.0	77.6
59.3	60.0	58.5	57.0	65.2
65.3	67.0	58.5	56.2	68.3
63.4	64.0	58.0	56.3	81.0
66.1	67.5	59.0	57.3	71.9
67.4	68.0	66.5	65.2	74.0
67.6	68.0	66.5	65.6	70.6
65.8	67.0	59.0	57.3	73.7
67.0	68.0	63.5	59.7	76.2
61.5	64.0	58.5	57.0	74.2
61.1	63.0	57.5	55.8	75.0
58.3	59.0	56.5	54.6	67.1
61.6	63.0	57.0	55.2	77.4
61.4	65.5	58.0	56.4	67.6
66.6	68.0	60.5	57.7	69.5
62.7	64.5	60.5	57.8	71.8
62.7	64.5	61.0	58.4	70.7
66.7	68.0	59.5	56.2	70.5

Raw Data (N1).txt

59.2	60.0	57.5	55.8	67.9
61.2	63.0	57.5	55.2	76.3
58.5	59.5	56.5	54.7	71.3
59.0	59.5	57.5	55.6	71.9
61.5	65.0	57.0	55.1	74.7
60.3	62.5	57.0	55.3	72.8
59.9	61.5	57.0	55.0	72.0
60.8	63.0	58.5	56.7	72.2
62.0	64.0	59.5	57.3	71.1
60.5	61.5	58.5	56.6	78.1
59.6	60.5	58.0	56.2	69.7
61.7	64.0	53.5	47.7	75.6
55.3	57.5	50.5	46.7	67.8
55.5	57.5	51.0	47.2	66.8
53.4	55.0	50.0	46.4	60.4
61.1	64.0	53.5	49.2	82.7
63.1	66.5	55.0	51.2	79.7
62.7	66.0	54.5	50.7	78.5
60.4	63.5	53.0	47.2	75.9
60.6	62.0	58.0	47.9	68.1
59.5	60.0	58.5	55.0	73.0
58.9	60.0	56.5	54.6	74.9
61.7	64.0	57.5	55.7	75.5
59.3	60.5	57.5	55.5	66.9
60.7	62.5	58.5	56.7	65.4
61.5	63.0	59.0	57.6	72.2
63.7	67.0	57.0	48.7	76.6
61.1	65.5	51.5	46.7	74.6
55.0	58.0	50.0	46.0	66.6
54.0	55.0	50.5	46.5	66.6
55.4	56.5	51.5	46.4	68.8
53.7	55.0	50.0	46.2	72.1
55.9	58.5	50.5	47.4	70.6
55.0	54.5	49.0	45.4	68.2
52.0	53.5	48.0	44.7	58.2
51.9	53.0	47.0	44.0	62.0
55.1	58.0	50.0	44.4	65.2
59.0	62.5	49.5	44.5	74.7
52.3	53.5	48.0	44.5	63.0
51.6	53.0	47.5	44.1	55.0
56.4	58.0	47.5	44.0	73.2
55.0	55.0	48.0	44.1	77.7
52.6	54.5	48.5	44.3	58.4
53.8	56.0	49.0	44.7	62.2
52.0	53.5	48.0	45.0	55.6
52.8	54.5	47.5	44.3	66.8
51.9	53.0	46.5	43.8	65.3
58.6	59.5	48.0	43.7	75.4
52.4	54.0	47.5	43.9	62.6
54.7	55.5	49.0	44.3	68.5
53.7	53.0	47.0	44.0	70.4
55.9	56.0	47.5	43.9	72.1
52.0	53.5	47.5	43.6	61.6
51.6	53.0	47.0	43.7	54.6
53.1	55.0	47.5	43.6	63.1
53.2	55.0	49.0	44.0	61.5
51.9	53.5	48.0	44.7	56.2
52.0	53.5	47.5	43.9	57.6
55.9	53.5	47.0	43.8	72.1
51.7	53.0	47.5	44.7	57.0
53.2	55.0	49.0	44.7	59.8
51.8	53.0	47.5	44.1	56.8
51.0	52.5	46.0	43.2	53.7
55.3	57.5	47.0	42.9	69.9
51.5	53.0	47.0	43.6	56.2
51.1	52.5	46.0	43.6	53.8
52.8	54.5	48.5	43.9	65.2
52.8	54.5	48.5	44.4	58.8
51.5	53.0	47.0	43.9	55.8
53.2	53.5	48.0	44.1	69.4
55.2	56.0	47.5	43.6	72.3
51.7	53.0	47.5	44.5	56.3
54.1	56.0	49.0	44.1	65.6
52.3	53.5	48.0	44.7	65.9
51.8	53.0	47.5	43.7	58.2

Raw Data (N1).txt

51.5	53.0	47.0	43.6	56.7
51.7	53.0	47.5	43.7	56.2
58.3	61.0	48.0	44.1	73.7
52.9	54.5	48.5	44.9	61.5
53.1	54.0	48.5	44.3	69.7
52.0	53.0	47.0	43.9	66.4
55.8	56.5	48.5	44.0	71.5
52.0	53.5	48.0	44.3	59.6
54.3	55.0	47.0	43.8	70.3
55.3	56.5	48.5	44.6	68.5
51.8	53.0	47.5	44.1	62.2
53.0	55.0	48.0	44.1	64.0
56.7	59.5	49.5	43.7	70.0
53.2	55.0	48.0	43.8	65.1
52.7	54.5	48.0	43.4	62.4
54.2	56.0	48.5	43.8	73.2
52.4	54.0	48.5	44.1	57.9
51.7	53.0	47.5	44.0	56.7
55.4	55.5	48.0	43.9	71.7
51.4	52.5	46.5	43.8	57.1
51.4	53.0	46.5	43.5	56.7
53.9	57.0	48.5	43.9	62.1
52.3	53.5	48.0	43.9	67.2
51.8	53.0	47.5	44.2	56.8
55.0	54.5	47.0	43.7	72.0
51.7	53.0	47.0	43.9	56.3
51.4	53.0	46.5	43.6	54.4
52.5	54.0	48.0	44.1	60.0
52.1	53.5	48.0	44.5	56.5
51.6	53.0	47.0	43.5	54.5
52.1	53.5	47.5	44.2	57.7
52.5	53.5	48.0	44.5	60.3
51.2	52.5	46.5	43.7	53.7
53.5	55.5	48.5	44.3	64.2
51.8	53.0	48.0	43.8	55.6
51.3	52.5	46.5	43.3	56.9
51.2	52.5	46.0	43.5	56.2
51.2	52.5	46.0	43.6	56.2
51.7	53.0	47.5	43.9	56.3
52.9	55.0	48.0	44.7	60.1
51.7	53.0	47.5	44.2	55.1
51.3	52.5	46.5	43.5	54.6
51.3	52.5	46.5	43.6	54.8
51.2	52.5	46.5	44.0	54.1
55.3	58.5	49.5	45.0	66.3
54.3	57.0	48.5	44.2	65.5
52.6	54.0	48.5	44.6	62.9
52.1	53.5	48.0	44.4	56.1
52.1	53.5	48.0	44.3	57.0
51.2	52.5	46.5	43.8	53.8
51.6	53.0	47.0	44.4	54.5
52.2	54.0	47.0	43.9	58.6
51.5	53.0	47.0	43.9	55.3
51.4	53.0	47.0	44.1	54.4
51.3	52.5	46.5	43.9	54.6
51.3	52.5	46.5	43.7	53.9
51.6	53.0	47.0	43.8	56.4
52.3	54.0	48.0	43.9	60.5
51.4	52.5	46.5	43.7	56.0
51.3	52.5	46.5	43.6	53.7
51.3	52.5	46.5	43.8	53.9
52.3	53.5	46.5	43.7	66.8
51.9	53.5	46.5	43.7	59.2
53.1	55.5	47.5	42.7	63.4
51.7	53.0	46.5	43.6	62.3
51.5	53.0	47.0	44.0	59.5
51.1	52.5	46.0	43.5	53.5
51.1	52.5	46.0	43.8	54.7
51.1	52.5	46.0	43.5	54.0
51.3	52.5	46.5	43.5	56.4
51.7	53.0	46.5	43.7	66.3
51.1	52.5	46.0	43.6	56.4
51.1	52.5	46.0	43.4	53.8
51.1	52.5	46.0	43.3	53.7
51.3	52.5	46.0	43.3	55.4

Raw Data (N1).txt

51.5	53.0	47.0	43.7	55.8
51.1	52.5	46.0	43.3	53.4
51.0	52.5	45.5	43.1	53.1
52.3	54.5	46.5	43.2	59.0
52.7	54.5	49.0	43.8	57.7
51.5	53.0	46.5	43.5	55.8
53.0	56.0	47.0	43.6	62.4
51.5	53.0	47.0	43.2	55.1
51.0	52.5	45.5	43.3	53.4
50.9	52.5	45.5	43.1	53.1
50.9	52.5	45.5	43.1	53.1
51.1	52.5	46.0	40.0	54.6
51.1	52.5	45.5	43.2	54.6
51.1	52.5	46.0	43.2	53.8
51.6	53.0	46.5	43.4	64.9
52.3	54.0	48.0	43.6	56.5
51.1	52.5	46.0	43.2	53.9
51.6	53.0	47.0	43.5	55.3
53.4	56.5	47.0	43.5	62.5
51.1	52.5	46.0	43.5	53.6
51.1	52.5	46.0	43.2	54.9
51.6	53.0	46.0	43.3	57.8
51.4	52.5	46.0	43.4	56.8
51.8	53.0	46.0	43.3	60.1
51.3	53.0	46.5	43.3	54.0
51.6	53.0	47.0	43.7	56.0
51.1	52.5	46.0	43.5	53.3
51.0	52.5	45.5	43.4	53.1
52.4	54.5	47.0	43.5	57.6
51.0	52.5	45.5	43.3	53.1
51.0	52.5	45.5	43.2	53.6
51.2	52.5	46.0	43.2	54.6
51.7	53.0	46.5	43.0	57.6
51.4	53.0	46.5	43.4	54.3
51.8	53.5	47.5	43.3	55.0
51.3	52.5	46.5	43.8	54.1
52.3	53.5	48.5	44.1	55.5
51.9	53.5	47.5	44.2	57.1
52.9	54.5	49.5	44.8	58.0
54.9	56.5	52.0	46.9	58.6
53.6	55.5	50.0	45.4	57.8
54.0	57.5	48.0	44.9	61.7
52.1	53.5	47.5	43.9	59.5
51.9	53.0	47.5	43.8	63.4
51.3	52.5	46.5	44.0	59.9
51.6	53.0	47.0	43.8	58.7
51.6	53.0	47.0	43.6	62.8
55.2	58.0	49.0	44.0	60.3
53.7	56.5	48.0	43.8	61.0
53.5	55.5	50.0	45.7	59.9
54.8	57.0	51.0	47.7	61.4
55.3	57.5	51.5	47.5	71.8
53.7	55.0	50.0	46.6	70.0
53.8	55.5	50.5	45.6	60.6
52.5	54.0	48.5	45.1	60.6
54.0	56.0	50.0	45.8	65.2
53.2	55.0	49.0	45.3	63.1
55.6	59.0	50.5	46.0	65.4
53.9	55.5	50.0	46.6	65.6
54.3	56.5	50.0	46.6	64.5
54.0	55.5	51.0	47.6	60.5
52.8	54.0	49.5	46.5	58.3
56.7	59.5	52.0	47.4	65.8
56.3	59.0	51.5	46.0	66.3
56.2	58.5	52.0	46.1	68.3
58.6	62.0	52.0	45.9	70.1
56.5	59.0	52.0	46.2	68.1
54.8	57.0	50.5	46.3	64.5
54.1	55.5	49.5	45.3	64.6
52.9	54.5	49.0	45.5	61.4
54.2	55.5	50.0	46.5	68.2
59.7	61.5	51.5	47.1	76.9
60.9	62.5	57.0	54.8	67.9
63.4	65.0	61.0	58.2	75.5
64.9	66.5	63.0	58.4	70.7

64.9	66.5	62.0	57.2	76.3
66.1	66.5	65.0	63.9	73.9
65.5	66.0	64.5	58.2	69.4
59.8	60.5	58.5	57.3	67.3
59.8	60.5	58.5	57.4	66.0
62.0	64.0	58.5	56.8	75.0
63.8	67.5	58.0	55.4	76.7
63.8	66.5	59.0	57.0	77.6
65.7	69.5	59.5	57.6	76.9
65.0	67.5	59.5	58.6	83.2
64.2	67.0	60.0	58.5	76.5
64.7	67.5	60.0	58.7	77.3
63.9	67.5	58.5	56.5	76.5
63.1	66.0	57.5	56.1	77.3
60.3	61.5	58.5	56.0	68.9
61.9	63.0	60.0	57.9	69.2
65.1	67.5	61.0	59.1	80.1
64.4	66.5	61.5	60.4	76.1
61.1	62.0	59.0	57.1	70.8
61.8	63.0	58.5	57.1	71.1
62.3	64.0	57.0	55.6	75.7
59.6	60.5	58.0	55.5	67.1
60.9	64.0	57.5	55.7	71.6
63.1	67.0	56.5	55.0	76.5
59.7	61.5	56.5	54.2	72.0
59.8	60.0	56.5	55.1	74.0
60.9	62.5	56.5	54.7	76.3
57.8	59.5	53.0	47.4	66.1
54.0	56.0	50.0	46.5	63.3
54.0	54.5	49.0	45.8	67.9
56.0	55.0	48.5	45.2	73.2
53.7	55.5	48.5	44.7	65.3
59.5	59.0	47.5	44.5	76.5
53.3	54.5	49.0	44.8	69.9
54.2	56.5	49.0	45.0	66.3
60.3	62.0	56.5	52.8	67.7
62.9	66.0	60.0	59.9	66.7

 Br el & Kj r
 Sound Level Meter Type 2238
 Logging BZ7124 ver. 1.2.0

FILENAME: 004.M24

SETTINGS:

 Serial no: 2285721
 Range: 32.0 - 112.0 dB
 Peaks Over: 140 dB
 2nd Exch. Rate: 4 dB
 Period Time: Normal
 Logged Every: 05:00
 Detector 1 (RMS)
 Bandwidth: Broad Band
 Freq. Wgt.: A
 Detector 2 (Br.Band)
 Weighting: Peak/C
 Sound Incidence: Frontal
 Windscreen Correction: Off

CALIBRATION:

 Micr.: 2588103
 Sensitivity: -30.8 dB
 Date: 2013 Dec 23 18:13:39

OVERALL RESULTS:

 Start Date 2014 Jan 27
 Start Time 12:35:42

Elapsed Time 48:08:59
 Overload 0.0 %
 Underrange 2.8 %

RMS MEASUREMENT RESULTS:

```
-----
Bandwidth: Broad Band
Freq. Wgt.: A
-----
LFMax 89.1 dB
LSMax 80.6 dB
LIMax 94.4 dB
LFMin ---.- dB
LSMin ---.- dB
LIMin ---.- dB
LAFTm5 ---.- dB
Leq 53.1 dB
LIeq 58.9 dB
```

PEAK MEASUREMENT RESULTS:

```
-----
Freq. Wgt.: C
-----
#Peaks 0
Lpkmax 106.8 dB
```

LOGGED RESULTS (1 of 1):

```
-----
Marker LAF10 LAFMin
LAEq LAF90 LAFMax
-----
OU1234 dB dB dB dB dB
-----
```

56.9	60.0	46.5	42.8	77.3
56.0	58.0	45.5	43.0	72.0
53.3	57.0	46.5	42.2	66.4
50.7	53.0	45.5	41.4	61.6
49.6	52.5	42.5	37.8	62.2
50.1	53.5	42.5	37.8	62.5
51.4	55.0	43.5	37.5	64.7
46.8	48.5	43.0	39.6	59.2
57.4	58.0	43.5	40.1	76.2
50.2	53.0	44.5	41.5	63.6
46.9	49.0	43.5	39.0	57.0
53.5	52.5	40.5	36.3	69.7
49.6	52.5	40.5	37.8	64.5
50.8	53.5	45.5	43.3	59.5
50.1	53.0	45.0	42.0	65.1
49.3	52.0	43.5	39.4	62.1
49.5	51.5	44.0	39.3	62.2
50.4	53.0	44.5	40.1	59.0
59.8	62.0	46.5	41.9	74.7
49.7	53.5	40.5	36.1	62.7
53.1	56.0	48.0	42.4	62.2
53.5	57.5	46.5	42.6	63.4
52.9	56.5	46.5	42.8	64.4
55.4	58.0	46.0	40.4	69.5
56.7	59.0	45.0	38.9	72.1
51.2	54.0	43.0	38.3	67.4
49.7	52.0	45.0	42.4	63.2
52.2	56.0	46.0	42.0	65.2
52.9	56.0	44.0	38.6	69.6
54.3	55.5	43.5	39.2	72.0
53.4	57.5	46.0	40.6	65.5
48.9	52.5	41.5	37.0	61.1
54.1	53.5	42.5	39.7	73.9
50.5	51.5	44.0	40.3	70.3
51.3	54.5	43.5	39.4	66.0
47.9	50.0	42.5	37.3	66.4
49.2	50.5	43.0	40.0	66.9
58.4	60.0	45.0	40.7	75.1
53.9	57.5	46.5	42.0	63.7
52.1	55.0	46.5	42.5	60.8
55.3	57.0	45.0	40.6	69.2

Raw Data (N1).txt

50.6	53.5	44.5	40.4	62.1
51.5	53.5	43.5	38.1	73.4
51.8	55.5	44.0	38.0	68.1
51.5	54.5	45.0	39.7	64.1
53.0	55.5	47.5	41.7	64.5
53.9	57.5	47.5	44.0	64.6
54.4	57.5	47.5	42.8	65.5
54.6	57.5	47.5	41.8	67.0
58.5	60.0	47.5	42.4	73.7
53.2	55.5	44.5	39.0	71.0
53.4	56.5	46.0	42.3	68.7
52.8	55.5	47.0	42.8	67.2
57.5	59.5	46.0	40.0	77.5
51.2	54.0	46.0	41.3	67.0
53.6	57.0	46.0	39.8	66.5
52.1	55.0	45.0	39.8	64.6
54.0	57.0	48.0	43.0	63.8
51.1	54.0	45.5	40.3	63.6
52.2	56.0	44.0	39.5	60.8
49.5	51.5	43.5	39.7	66.0
58.0	59.5	45.5	40.3	74.4
53.9	58.5	43.5	38.8	64.8
49.3	52.5	43.5	40.1	60.6
48.2	51.5	42.0	38.2	62.1
55.8	60.0	38.5	35.5	73.2
50.4	53.5	39.5	35.5	64.0
51.3	51.5	42.5	38.2	74.9
57.9	58.5	43.0	40.0	73.6
56.4	60.0	45.0	40.1	73.5
50.6	52.5	42.0	38.7	71.8
57.7	61.5	46.5	41.0	72.3
44.1	45.5	37.0	33.9	61.2
56.2	60.5	41.5	38.5	74.3
55.8	59.5	45.0	40.5	69.6
46.9	49.5	41.0	37.2	56.0
46.7	50.5	39.5	36.7	53.3
54.4	58.0	38.0	34.5	69.1
51.2	55.5	39.0	35.8	68.5
42.1	45.0	36.5	34.1	52.7
50.0	52.5	44.0	41.0	60.1
48.3	51.5	42.5	38.4	55.5
45.0	47.5	41.0	38.4	50.2
55.8	59.0	45.0	39.5	69.8
43.1	46.5	38.5	35.8	53.7
42.3	46.5	37.0	34.7	50.5
52.6	57.0	43.0	39.1	62.6
45.9	48.5	41.0	39.0	54.8
52.4	57.5	40.5	37.1	60.5
48.1	51.5	39.5	37.2	57.8
43.1	45.5	39.0	36.7	56.0
57.6	59.5	41.0	37.4	72.0
55.7	59.5	44.0	39.2	67.4
51.9	55.5	44.0	41.3	65.6
46.4	49.0	42.0	39.7	56.6
54.3	57.5	40.0	37.1	68.3
46.5	47.0	38.0	35.8	64.5
47.7	51.0	39.0	37.0	64.3
51.1	53.5	45.5	43.1	59.9
51.2	54.0	45.5	43.0	58.3
50.2	53.5	43.0	39.8	60.3
55.0	58.0	43.5	39.8	70.1
47.8	50.5	43.0	39.9	53.1
52.2	54.5	42.5	39.0	80.3
55.7	56.5	44.0	39.9	82.1
49.4	52.5	39.5	35.7	67.2
42.6	45.5	38.0	35.4	51.7
52.9	54.5	39.5	36.2	69.1
50.0	53.0	40.5	37.6	71.5
54.3	53.0	45.0	39.7	83.1
53.7	57.0	45.5	41.9	63.5
48.6	51.5	43.0	39.2	55.0
52.1	57.0	41.5	37.7	63.3
55.4	59.5	42.5	38.1	68.9
49.7	53.0	44.0	40.0	57.1
63.4	59.5	39.5	36.8	89.1

	66.1	65.0	44.0	37.7	85.6
	63.1	57.5	44.5	38.8	83.5
	48.4	51.5	41.5	38.2	71.0
	52.7	53.0	42.0	39.1	70.7
	54.5	54.5	43.5	40.2	68.1
	49.4	47.0	40.0	37.6	80.6
	50.6	55.0	42.0	38.1	59.7
	49.6	53.5	43.5	39.9	56.8
	53.9	55.0	42.0	38.7	69.8
	52.8	55.0	42.0	39.3	68.9
	53.7	58.0	43.5	41.2	68.1
	52.6	57.0	41.5	39.4	67.4
	55.4	58.5	47.5	44.2	67.3
	50.3	52.0	40.0	37.1	74.0
	50.6	54.0	42.0	38.9	72.3
	49.2	52.0	40.5	38.3	71.8
	46.8	50.5	41.5	38.0	56.0
	47.8	49.0	41.5	39.1	60.8
	53.5	56.0	47.5	41.5	60.4
	47.8	51.0	40.5	36.9	59.7
	46.9	52.0	37.0	33.9	58.7
	45.9	48.5	38.0	35.2	68.8
	46.4	50.0	40.0	36.1	55.1
	47.5	51.0	43.5	37.8	54.9
	50.9	55.0	41.0	37.3	58.7
	46.4	49.0	42.0	38.2	55.1
	43.6	46.0	39.5	36.2	51.2
	49.8	53.5	42.0	38.9	57.4
	48.0	53.0	40.5	37.7	57.3
	46.9	51.0	40.5	38.0	56.6
	53.2	58.0	45.0	39.7	62.9
	49.7	53.0	42.0	38.6	57.5
	45.9	48.5	40.0	36.6	55.4
	52.3	57.5	41.0	35.8	62.5
	42.4	45.5	36.5	33.1	55.0
U	51.0	58.0	35.5	---	61.1
	46.0	48.5	41.0	37.3	53.5
	51.4	58.0	36.5	34.0	62.1
U	39.7	42.5	35.5	---	50.0
U	51.5	57.5	35.5	---	63.4
U	36.9	38.5	34.5	---	43.6
	45.5	50.5	36.0	33.1	55.0
	51.8	56.5	41.0	36.9	60.9
	45.6	48.0	39.0	34.8	54.7
U	41.8	45.5	35.0	---	50.3
U	45.2	49.0	35.5	---	54.7
U	38.0	40.0	35.0	---	45.8
	48.7	53.0	35.5	33.8	61.1
	51.6	55.5	44.0	41.9	62.5
	45.7	48.0	40.0	34.5	51.2
	42.4	45.0	36.0	33.1	48.8
	46.8	50.5	39.0	35.6	65.2
	42.5	45.0	38.5	36.2	49.2
U	39.1	42.0	33.5	---	49.2
	51.3	56.0	37.5	35.1	60.6
	46.6	49.5	35.0	33.6	60.5
U	35.5	39.0	---	---	45.7
U	---	33.5	---	---	41.9
U	39.2	42.0	---	---	53.8
	48.7	52.5	36.5	33.0	59.4
U	48.8	52.5	36.0	---	57.2
U	32.6	35.5	---	---	51.8
U	32.1	36.0	---	---	42.3
U	---	34.0	---	---	40.7
U	---	34.5	---	---	43.2
U	52.9	59.0	---	---	63.0
	48.2	53.0	37.0	34.2	57.2
	47.3	49.5	41.0	37.7	53.6
U	41.1	45.5	---	---	52.9
U	33.0	35.5	---	---	48.3
U	---	33.5	---	---	43.0
U	50.7	57.0	---	---	62.8
U	45.6	50.5	35.0	---	56.5
U	38.2	41.0	---	---	49.7
U	45.4	51.0	32.0	---	55.5

U	41.3	44.5	35.5	----	52.3
U	32.1	36.0	----	----	43.0
U	48.9	54.0	----	----	62.9
U	37.9	40.5	34.0	----	45.3
U	37.9	41.0	32.5	----	46.1
U	33.0	36.0	----	----	43.1
U	52.4	58.5	----	----	62.5
U	32.6	35.5	----	----	41.0
U	35.4	39.0	----	----	44.9
	47.0	49.5	41.0	37.6	55.4
U	38.3	42.5	----	----	47.7
U	33.6	36.0	----	----	46.6
U	33.6	37.5	----	----	48.1
U	----	35.5	----	----	48.2
U	47.8	52.0	33.0	----	56.4
	47.1	52.0	39.5	37.6	55.7
	41.8	43.5	36.5	34.5	52.5
U	46.6	52.0	33.5	----	58.0
U	40.9	44.0	35.5	----	48.4
	47.3	51.0	40.0	37.9	55.7
	38.7	41.5	35.5	33.7	46.5
	53.4	59.0	37.0	33.9	62.0
	41.0	44.5	36.0	34.0	51.3
U	42.8	46.5	35.0	----	52.8
U	40.6	43.0	33.5	----	57.1
	42.9	45.0	38.5	34.7	48.3
	49.5	51.0	43.5	38.2	66.8
	49.6	52.0	40.0	37.0	66.6
U	51.0	55.0	37.5	----	64.8
U	51.9	56.5	37.0	----	66.5
	51.9	56.5	38.0	33.5	65.7
	52.9	56.5	41.0	34.7	66.4
	52.6	56.0	45.5	39.7	67.6
	53.5	57.5	44.0	39.2	61.8
	54.5	59.0	46.5	43.2	64.7
	51.9	55.0	46.0	42.1	63.5
	58.8	62.5	50.0	45.4	72.5
	53.8	56.0	46.5	44.1	72.8
	53.9	57.0	47.0	43.1	64.4
	54.4	58.0	48.0	44.0	66.5
	55.9	59.5	47.5	42.6	65.7
	53.8	57.5	43.5	39.5	66.3
	51.9	56.0	44.0	39.6	64.5
	57.2	61.0	47.0	39.1	69.3
	54.4	58.0	47.0	41.4	64.4
	55.8	58.5	48.0	42.7	69.7
	55.4	58.5	49.5	45.9	66.1
	57.4	61.0	49.0	44.7	68.7
	56.2	60.0	48.5	41.5	67.7
	55.6	59.0	48.5	41.2	66.4
	55.5	59.0	47.0	43.6	68.0
	55.3	59.0	48.0	41.3	66.7
	55.4	58.0	49.5	42.3	65.7
	56.5	60.0	50.0	45.5	65.8
	54.5	57.5	48.5	43.0	65.9
	53.6	56.5	48.5	45.1	64.0
	55.7	59.0	48.5	43.1	67.5
	56.7	60.0	49.0	43.7	67.4
	57.6	60.0	52.5	45.6	67.0
	54.8	58.5	47.0	43.6	66.3
	55.0	58.0	49.0	43.6	70.1
	58.7	63.0	48.5	42.7	73.2
	57.8	60.5	48.0	43.2	75.5
	55.1	58.5	47.5	41.2	65.2
	56.7	58.0	47.0	42.0	73.6
	54.9	58.5	47.0	43.6	65.5
	54.7	58.0	46.5	43.4	69.4
	52.7	55.5	47.0	42.4	62.5
	59.4	63.0	49.5	44.6	69.0
	56.2	60.0	48.5	43.2	68.1
	55.4	58.0	50.0	45.4	63.6
	55.0	57.5	49.0	44.1	64.8
	56.9	60.0	48.5	43.7	69.6
	56.7	59.5	48.0	45.4	72.9
	53.0	57.0	46.0	43.7	66.2

Raw Data (N1).txt

57.5	61.0	49.5	46.3	70.5
55.9	59.5	45.0	42.5	70.6
54.0	57.0	45.5	42.4	70.9
55.4	57.5	47.5	45.1	67.6
51.7	55.0	46.0	43.2	61.9
53.1	56.0	48.5	46.5	62.6
52.1	54.5	47.5	43.2	62.4
55.4	58.5	47.5	42.4	66.2
51.6	56.0	44.5	41.2	61.4
50.8	53.5	44.5	39.2	58.9
54.3	55.0	43.5	39.7	68.5
57.1	59.5	48.0	44.6	70.4
54.0	57.5	44.5	39.1	66.6
51.3	53.0	48.0	45.4	61.6
51.3	54.5	46.5	42.7	61.5
54.7	57.0	44.5	39.1	71.2
50.3	54.0	42.5	38.7	62.7
50.4	52.0	45.0	42.4	67.0
50.8	53.5	46.5	43.8	58.2
52.2	56.0	45.5	42.9	60.9
50.6	50.5	44.5	40.7	76.5
55.4	58.0	43.5	39.4	75.1
48.0	50.5	44.0	40.3	59.9
55.8	56.0	44.5	40.4	70.9
50.9	53.5	46.5	43.3	64.9
55.9	60.0	48.5	44.3	74.8
55.1	56.5	46.0	41.0	69.6
49.1	51.5	44.5	41.0	60.1
54.5	58.5	43.0	40.5	67.6
58.7	60.0	47.0	41.6	73.0
49.9	51.5	47.0	43.5	58.0
53.2	56.5	48.5	45.0	62.6
52.3	56.0	44.5	42.0	67.0
55.9	59.0	46.0	43.7	69.2
56.5	58.0	43.5	39.9	70.5
53.9	56.0	47.0	44.2	64.5
54.3	57.0	48.5	45.9	62.5
50.7	53.0	47.0	43.4	57.4
53.9	57.0	47.0	42.5	63.3
53.0	55.0	48.0	44.1	62.1
58.9	63.0	45.0	41.3	69.0
50.0	53.0	44.5	41.6	61.3
57.7	60.0	52.0	48.3	72.9
54.6	57.5	48.5	45.6	63.7
55.3	58.5	48.0	44.6	70.2
51.3	55.0	45.0	42.2	62.0
54.0	57.0	47.5	43.2	63.2
58.7	60.5	49.5	46.4	74.0
55.3	57.0	51.5	48.8	69.6
58.5	61.0	47.0	43.7	71.7
57.3	58.5	47.5	41.6	70.3
55.7	58.5	44.5	40.9	70.8
51.2	53.5	46.0	43.3	68.4
60.4	65.0	48.0	42.8	74.7
53.8	57.0	49.0	45.7	61.8
52.9	56.0	49.0	46.3	60.7
52.0	54.0	46.5	43.6	71.4
51.2	53.5	46.0	43.6	65.6
52.3	56.5	45.0	41.5	61.6
56.5	58.5	45.0	39.6	70.8
55.7	58.5	48.5	44.0	70.8
55.7	58.5	49.0	43.0	64.4
55.0	57.5	49.0	42.3	63.7
56.5	59.0	47.5	43.2	68.2
50.4	53.5	44.0	40.8	62.6
51.6	54.5	42.0	38.8	73.1
53.6	56.0	48.5	45.3	66.4
52.2	54.5	47.0	43.7	66.8
58.0	59.0	47.0	43.6	71.7
54.3	58.0	46.5	40.3	63.4
52.5	55.5	46.0	41.0	66.5
56.1	58.5	47.0	41.3	69.5
54.8	57.0	49.5	46.3	65.0
51.9	55.5	46.0	43.6	61.6
54.4	57.5	48.5	44.6	63.0

Raw Data (N1).txt

53.4	57.0	45.0	41.5	64.3
55.6	58.0	46.0	42.8	68.8
57.6	59.0	45.5	41.9	70.5
56.4	59.5	50.0	45.8	64.7
53.0	56.0	48.0	45.4	64.0
54.3	58.0	48.5	45.4	64.6
50.5	53.0	46.0	42.2	60.5
52.9	56.0	47.5	42.6	60.9
54.8	58.0	49.0	46.1	65.4
51.6	55.0	44.5	42.4	61.7
52.3	55.5	44.5	39.7	60.1
57.2	60.5	47.0	43.2	68.7
50.1	53.5	42.5	38.9	56.6
46.7	49.5	42.0	39.1	53.5
47.1	51.5	40.5	36.0	63.8
59.0	58.5	47.0	43.1	74.3
49.6	53.0	44.5	40.8	55.8
48.4	51.0	43.5	38.2	60.6
54.8	56.5	46.0	44.1	68.9
47.1	49.5	42.5	38.6	55.6
50.1	50.5	42.0	39.8	70.2
51.5	55.0	41.0	38.8	64.0
47.4	50.0	43.0	39.8	54.0
50.8	54.5	44.5	40.3	58.9
56.0	59.0	43.5	40.7	69.0
47.2	49.0	43.5	40.5	54.3
51.4	53.5	46.0	43.3	68.4
52.6	56.0	46.5	43.8	60.1
49.6	53.0	43.5	41.5	57.9
43.4	45.5	39.5	36.8	51.8
53.6	58.5	41.0	37.9	64.2
51.8	54.5	47.0	44.9	59.6
54.4	54.0	44.5	41.1	67.8
53.6	58.5	44.0	41.5	62.1
52.1	57.0	44.5	41.8	65.1
52.3	57.5	44.0	39.1	61.1
57.4	60.5	50.0	46.3	72.7
44.3	46.0	41.5	38.7	54.8
47.0	47.0	41.0	36.8	66.1
56.4	60.0	45.5	41.2	66.7
56.5	60.0	47.5	44.2	67.4
49.4	52.0	44.0	41.2	60.1
53.3	58.0	45.5	44.2	64.4
54.8	58.5	41.0	37.8	69.6
44.9	47.0	42.0	39.3	49.2
52.8	57.0	47.5	44.7	62.9
48.7	52.5	41.5	38.4	58.7
51.3	53.5	47.0	43.0	63.4
56.4	60.5	46.0	41.4	68.4
50.4	54.0	44.5	41.8	57.8
47.7	50.0	42.5	39.9	57.0
54.7	59.0	43.5	41.0	63.9
51.2	53.5	43.5	40.6	63.4
45.4	47.5	41.5	38.7	51.4
54.3	54.5	41.5	39.0	67.7
51.9	56.0	41.5	38.9	59.6
46.2	49.0	42.5	40.6	55.4
53.5	58.0	43.0	39.7	64.6
53.3	57.0	44.5	41.3	62.4
47.5	49.5	44.0	40.8	63.7
51.9	56.5	43.5	40.8	60.2
54.1	55.0	42.5	40.0	69.1
51.0	55.5	45.5	42.9	59.5
49.4	51.5	45.0	42.1	55.2
51.3	55.0	43.0	39.8	62.5
43.9	45.0	40.5	38.2	63.5
54.5	54.5	45.5	42.9	68.0
50.4	52.0	47.0	44.9	56.7
50.3	54.0	43.5	41.2	58.8
54.4	58.0	46.0	43.2	61.5
51.6	56.0	44.0	41.9	65.2
49.7	53.5	41.0	39.4	56.4
54.9	56.0	42.5	40.7	69.7
51.5	55.5	44.5	41.4	59.8
53.1	57.0	45.0	43.2	64.5

	51.1	55.0	44.0	40.7	59.6
	49.6	53.5	43.0	39.2	58.4
	46.0	50.0	41.0	38.7	54.4
	51.7	54.5	45.5	42.5	57.8
	48.3	51.5	42.5	39.0	53.8
	47.7	51.0	42.0	39.6	55.6
	53.3	58.0	44.5	41.7	61.7
	50.1	52.5	46.0	42.6	56.7
	52.3	57.0	42.5	40.2	61.3
	45.3	48.5	40.0	37.1	55.2
	45.3	49.5	40.0	37.2	52.6
	46.1	48.5	40.5	38.3	55.4
	52.2	56.0	41.5	37.9	60.4
	49.8	52.0	47.0	44.3	56.0
	46.6	49.5	42.5	39.4	52.6
	48.2	50.5	41.5	38.8	54.6
	44.6	47.5	39.5	37.6	56.5
	43.9	46.5	40.0	37.3	52.2
	49.2	52.0	44.5	41.1	56.4
	47.7	53.0	39.0	36.8	56.5
	44.5	48.5	39.0	36.3	52.5
	52.7	57.5	44.0	40.9	60.2
	43.5	45.5	40.0	38.7	54.8
	47.4	51.0	41.0	39.0	59.2
	53.5	57.5	41.0	38.4	64.9
	43.0	45.5	38.5	35.5	51.7
	49.7	55.5	36.5	34.1	59.0
	39.6	42.5	35.5	---	45.6
	37.2	38.5	35.5	33.4	42.3
	44.5	46.5	37.5	34.8	57.0
	53.3	55.5	49.0	46.6	60.6
	46.9	50.5	39.0	36.9	55.9
	39.2	41.0	35.5	33.4	44.5
	38.7	41.0	35.5	33.4	44.8
U	37.7	39.5	35.0	---	44.2
U	44.0	49.0	34.0	---	56.6
U	45.9	48.5	32.5	---	58.5
U	47.5	52.5	33.0	---	56.6
	39.6	43.5	35.5	33.0	46.3
	46.6	50.5	40.0	38.0	54.7
	41.9	42.0	36.5	34.2	65.5
	40.9	44.5	36.5	34.7	50.7
	52.4	56.5	42.0	38.2	62.1
U	41.1	43.5	35.0	---	51.0
U	35.8	38.0	32.5	---	50.6
U	---	33.5	---	---	39.1
U	---	---	---	---	39.7
U	34.3	39.0	---	---	45.3
U	45.0	50.5	32.5	---	54.5
U	47.8	51.5	32.5	---	55.7
U	---	34.5	---	---	44.9
U	35.4	38.5	---	---	45.7
U	39.1	41.5	34.0	---	49.7
U	46.6	50.5	37.5	---	57.2
	50.6	55.5	39.0	36.7	59.6
U	38.5	40.5	35.0	---	46.9
U	37.8	39.0	35.5	---	51.3
	39.0	42.0	36.0	33.9	44.7
	45.5	47.0	42.0	39.9	49.5
U	40.9	45.5	33.5	---	49.3
	50.9	55.5	39.5	36.4	60.3
	45.7	50.0	39.0	36.7	54.2
	45.8	49.5	38.5	33.2	53.9
U	42.2	45.0	35.0	---	52.8
	45.8	49.5	38.0	34.5	51.9
	46.5	49.0	39.5	37.5	51.2
	49.9	55.5	36.5	34.4	59.5
U	35.6	38.5	---	---	41.8
U	---	33.5	---	---	38.5
U	48.9	55.0	---	---	59.4
	39.2	41.5	36.5	34.0	45.2
U	---	35.5	---	---	39.3
U	42.1	45.5	33.0	---	48.3
U	34.0	36.5	---	---	44.2
U	42.2	46.0	33.0	---	49.1

U	35.5	39.0	----	----	42.5
	37.4	38.5	35.5	33.5	44.0
U	35.0	36.5	32.5	----	41.7
	47.4	51.0	40.0	37.5	56.5
	44.7	49.0	38.0	34.0	55.1
	45.0	50.0	36.5	34.5	57.8
	38.6	41.0	34.5	32.0	46.2
	46.1	48.5	39.5	36.9	51.4
	39.1	41.0	37.0	35.8	44.2
	47.8	51.5	37.5	35.1	56.5
	47.0	52.5	39.0	36.1	56.8
U	39.8	44.0	----	----	55.1
U	35.8	37.5	32.0	----	49.0
U	38.5	42.5	----	----	55.8
	49.2	51.5	39.0	35.8	66.5
	50.8	55.0	37.0	33.9	65.1
	49.0	52.0	40.5	37.7	63.9
	54.6	58.0	47.5	43.1	69.2
	53.4	57.0	44.5	41.7	68.8
	52.7	56.0	46.5	43.7	65.3
	52.1	54.0	48.0	43.8	65.7
	54.7	58.0	47.5	42.1	66.7
	51.6	55.0	45.5	42.6	64.2
	52.3	55.5	46.0	43.3	66.5
	53.3	56.5	45.0	41.9	66.4
	53.7	57.5	47.0	42.3	64.4
	52.3	55.5	44.5	39.6	65.4
	54.2	57.5	47.5	42.6	66.7
	55.6	59.5	45.5	41.3	68.0
	53.5	57.0	44.5	38.5	66.4
	55.3	59.5	44.5	37.9	66.2
	54.7	59.0	46.5	41.0	66.6
	49.3	51.5	42.5	39.6	66.4
	53.6	56.5	47.0	41.0	66.0
	55.8	59.0	49.5	45.0	66.2
	54.1	57.0	48.5	45.0	64.6
	52.3	55.0	47.0	42.7	60.8
	59.9	63.0	49.0	44.4	76.5
	55.2	58.5	48.5	43.6	68.8
	54.5	58.0	47.5	41.2	68.0
	57.6	61.0	49.5	45.3	65.7
	54.2	57.5	48.5	45.6	64.5
	53.6	56.5	49.0	45.0	65.2
	52.9	56.0	46.5	42.5	62.6
	58.8	60.5	48.5	43.9	73.6
	55.6	58.0	45.5	40.8	72.5
	53.6	56.5	47.0	43.6	65.2
	58.3	57.5	47.5	43.1	84.1
	53.4	56.0	47.0	41.9	65.6
	55.3	56.5	46.0	42.6	69.7
	54.8	58.0	47.0	43.2	69.0
	55.9	59.5	46.5	43.1	74.2
	55.8	59.0	50.5	46.1	67.5
	54.9	58.0	48.0	42.9	65.7
	55.6	58.5	48.5	43.2	68.1
	55.1	58.5	48.5	44.2	66.0
	58.7	61.0	48.0	45.0	72.5
	55.2	57.5	50.5	48.9	63.0
	58.6	62.0	51.0	43.7	67.3
	54.4	57.5	47.0	42.1	67.6
	54.9	56.0	46.5	43.1	69.3
	48.6	50.5	44.5	40.6	58.6
	57.8	60.0	44.5	42.2	73.3
	53.2	56.0	47.0	42.3	62.9
	49.5	52.0	45.0	41.1	60.4
	50.1	53.5	45.5	43.0	59.7
	51.4	53.5	47.0	44.2	57.9
	54.8	53.5	46.5	44.6	71.5
	59.9	64.5	46.5	43.5	74.7
	52.3	55.0	46.5	44.0	63.7
	52.9	55.5	47.5	45.2	63.1
	48.8	51.0	44.0	40.0	59.1
	50.0	52.5	46.0	43.5	61.2
	55.4	56.0	48.5	44.8	69.9
	50.0	52.0	46.5	45.1	57.9

58.3	57.0	47.0	43.1	75.6
54.3	57.0	48.5	45.5	68.2
50.9	53.5	46.0	42.6	64.8
49.5	52.5	44.5	40.0	60.4
54.5	58.0	44.5	40.9	68.2
58.1	60.5	45.5	42.1	77.1
51.9	54.5	47.0	43.8	62.5
49.3	51.0	46.0	42.9	58.5
50.2	52.5	46.0	42.8	58.4
55.4	58.0	43.5	40.3	70.1
50.0	50.5	45.0	42.0	65.4
57.2	58.0	47.0	43.5	75.1

 Br el & Kj
 Sound Level Meter Type 2238
 Logging BZ7124 ver. 1.2.0

FILENAME: 005.M24

SETTINGS:

 Serial no: 2285721
 Range: 32.0 - 112.0 dB
 Peaks Over: 140 dB
 2nd Exch. Rate: 4 dB
 Period Time: Normal
 Logged Every: 05:00
 Detector 1 (RMS)
 Bandwidth: Broad Band
 Freq. Wgt.: A
 Detector 2 (Br.Band)
 Weighting: Peak/C
 Sound Incidence: Frontal
 Windscreen Correction: Off

CALIBRATION:

 Micr.: 2588103
 Sensitivity: -30.8 dB
 Date: 2013 Dec 23 18:13:39

OVERALL RESULTS:

 Start Date 2014 Jan 29
 Start Time 12:46:52
 Elapsed Time 22:00:02
 Overload 0.0 %
 Underrange 2.2 %

RMS MEASUREMENT RESULTS:

 Bandwidth: Broad Band
 Freq. Wgt.: A

 LFMax 97.9 dB
 LSMax 90.7 dB
 LIMax 101.6 dB
 LFMin ---.- dB
 LSMin ---.- dB
 LIMin ---.- dB
 LAFTm5 62.3 dB
 Leq 53.4 dB
 LLeq 61.2 dB

PEAK MEASUREMENT RESULTS:

 Freq. Wgt.: C

 #Peaks 0
 Lpkmax 108.9 dB

LOGGED RESULTS (1 of 1):

Marker	LAF10 LAeq	LAF10 dB	LAFMin LAF90	LAFMin dB	LAFMax LAFMax	LAFMax dB
OU1234	58.0	60.5	42.5	40.0	76.4	
	51.8	55.0	46.5	43.3	63.7	
	49.5	52.0	43.0	41.2	60.8	
	49.4	51.0	44.0	40.8	72.3	
	47.2	49.5	42.0	40.1	64.9	
	45.5	47.0	42.0	40.3	62.9	
	57.5	58.0	43.5	41.4	75.7	
	47.5	49.5	43.5	40.2	62.7	
	52.8	52.5	44.0	41.0	72.5	
	52.2	55.0	43.0	40.7	71.7	
	53.3	50.0	41.0	39.5	73.9	
	45.5	47.5	41.5	40.0	63.6	
	48.4	51.5	43.0	41.3	63.1	
	49.0	51.5	44.5	41.6	55.0	
	56.5	61.5	43.0	40.6	65.8	
	48.9	51.0	45.5	41.7	58.9	
	54.5	57.0	45.5	41.8	67.5	
	59.3	59.0	51.5	50.8	77.2	
	55.3	57.0	52.5	51.3	73.0	
	55.1	57.5	52.5	51.4	70.0	
	54.5	55.5	46.5	44.1	72.0	
	55.1	57.5	45.0	42.2	71.9	
	47.1	49.5	42.5	40.3	60.4	
	57.3	58.0	43.5	40.5	73.7	
	52.3	55.0	45.0	41.9	71.5	
	50.7	53.0	46.0	42.9	64.2	
	50.5	53.0	45.5	42.7	62.6	
	47.6	50.5	43.0	41.2	58.7	
	55.8	57.5	46.5	42.8	74.1	
	52.4	55.5	46.0	42.7	65.0	
	55.0	56.0	53.0	52.2	70.4	
	55.7	56.5	52.5	51.8	73.2	
	53.6	55.5	44.5	41.2	74.3	
	50.7	53.5	46.0	42.1	62.4	
	48.7	51.5	42.5	40.4	63.9	
	52.9	57.5	41.5	39.7	66.3	
	57.9	59.5	42.5	40.2	75.1	
	50.4	53.0	44.5	40.6	70.4	
	51.1	53.5	47.5	45.8	60.0	
	51.6	55.0	44.5	41.5	62.6	
	56.3	58.0	53.5	52.1	70.8	
	56.2	57.0	54.0	53.2	71.0	
	58.7	62.5	45.0	41.9	72.2	
	56.7	61.0	47.5	43.7	70.6	
	54.3	57.0	47.5	43.3	67.1	
	53.0	55.0	46.0	43.6	68.2	
	54.5	55.5	44.0	40.7	72.7	
	57.4	61.5	43.0	40.8	71.7	
	51.6	56.0	42.0	39.9	66.2	
	51.2	53.5	46.5	43.6	61.3	
	50.0	53.5	45.0	41.3	62.1	
	49.0	51.5	44.5	42.1	56.8	
	54.6	56.5	43.5	40.8	69.2	
	54.1	57.5	43.5	41.5	72.5	
	47.6	50.5	42.0	40.0	63.1	
	50.3	53.5	45.5	43.4	62.2	
	58.7	62.5	45.0	41.4	74.0	
	56.7	60.5	44.5	41.7	71.2	
	48.2	50.5	42.0	40.4	66.1	
	53.2	57.0	43.0	41.1	68.4	
	52.9	56.5	41.0	39.2	67.5	
	47.0	49.0	44.0	41.6	62.5	
	46.8	48.5	42.0	40.0	65.1	
	47.1	49.5	41.5	38.7	64.2	
	52.6	53.5	38.5	34.5	68.0	
	43.8	46.5	38.5	35.7	54.6	
	45.8	49.0	41.0	38.2	58.4	

47.6	51.0	40.5	38.0	58.2
48.6	49.5	41.0	36.8	70.3
51.2	54.5	42.0	36.8	59.3
44.1	46.5	39.5	37.5	53.1
53.7	52.5	39.0	37.0	69.0
46.1	49.0	38.5	34.3	53.4
48.7	52.5	41.5	39.3	57.5
47.0	50.0	41.5	38.7	55.4
50.9	47.0	37.0	34.2	68.7
55.6	58.0	42.5	38.7	70.3
45.7	48.0	42.0	38.5	52.7
46.5	50.0	39.5	36.1	54.0
46.7	51.0	39.5	35.5	57.5
43.1	45.5	39.0	36.3	52.0
53.8	53.5	41.5	36.5	68.2
52.8	55.5	39.5	36.0	69.2
43.2	46.0	38.5	34.8	50.2
49.8	53.5	41.0	38.1	59.3
57.9	60.5	46.0	41.9	70.2
47.6	49.0	40.0	36.8	68.2
51.4	57.5	37.5	35.2	63.0
47.3	51.0	40.0	38.1	56.7
53.6	54.5	42.0	38.9	68.9
53.5	58.5	44.5	39.0	63.8
52.7	57.0	44.5	41.7	60.9
48.4	49.5	40.0	37.4	64.9
55.8	59.5	42.0	38.6	72.9
56.0	60.5	41.0	37.4	71.1
49.8	49.0	42.0	37.3	65.4
51.0	54.5	44.5	41.7	58.5
48.5	52.0	40.0	37.3	62.5
44.2	45.0	38.5	35.8	68.7
48.3	53.0	37.0	32.8	60.0
53.4	53.0	40.5	37.6	68.3
45.7	49.0	40.5	37.6	54.5
50.1	53.5	44.0	40.9	58.4
48.5	51.5	42.5	37.0	58.0
46.3	49.0	41.0	37.2	57.8
47.8	50.5	40.5	35.1	57.6
55.9	59.0	42.0	38.2	69.6
46.5	50.0	40.0	36.5	57.3
52.4	55.5	45.0	40.6	62.6
48.3	52.0	42.5	39.0	56.2
49.6	52.5	43.5	38.6	56.5
45.2	49.0	38.0	35.6	56.1
54.0	55.0	41.0	36.2	70.0
45.5	50.0	40.0	36.4	53.3
50.8	54.0	44.0	41.3	60.6
46.8	50.0	42.0	39.7	53.5
44.5	47.0	39.5	36.7	54.7
47.1	50.5	40.0	34.9	56.3
53.7	53.0	42.5	37.7	69.7
47.0	49.5	40.5	36.1	70.5
49.7	53.5	42.5	38.2	58.2
48.2	51.5	39.0	35.6	56.5
43.5	46.0	38.0	34.2	52.0
53.6	54.0	38.0	35.7	68.6
45.4	48.0	39.5	37.0	54.4
43.7	47.0	37.5	34.1	52.2
50.2	54.5	38.5	34.6	60.0
44.8	47.5	39.5	35.3	57.6
42.2	45.0	37.0	34.2	47.7
51.3	56.0	40.0	37.1	62.5
42.7	45.5	37.0	33.8	56.3
47.1	50.5	38.5	35.9	59.2
49.7	54.5	39.0	35.2	60.3
48.9	52.5	43.0	40.2	57.4
50.8	54.5	43.5	40.0	64.1
44.7	47.5	40.0	36.0	53.8
46.3	49.0	41.0	37.6	56.0
46.2	50.5	37.0	34.5	58.1
51.3	55.5	44.5	41.1	61.3
49.1	54.0	41.0	38.1	58.0
42.4	45.0	37.0	34.0	50.8
38.7	39.0	34.5	---	55.0

U

U	39.2	41.5	33.5	----	51.7
U	44.1	48.5	33.5	----	56.3
	50.0	55.0	40.5	34.5	59.8
	45.8	49.0	41.0	38.3	52.3
	46.2	48.5	42.0	38.2	53.3
	42.8	45.5	37.0	33.6	53.0
U	38.6	41.0	35.5	----	45.1
U	38.8	43.0	34.0	----	47.6
U	40.3	44.0	34.5	----	47.6
U	49.7	55.5	34.5	----	62.6
U	39.8	40.5	32.0	----	55.9
U	46.0	51.5	34.0	----	58.3
	39.8	42.0	36.0	33.6	46.6
	45.4	48.0	39.5	34.3	51.8
	48.1	52.5	37.5	33.2	55.8
U	44.6	49.5	34.0	----	54.4
U	45.3	50.5	34.0	----	56.6
	41.5	42.5	39.5	36.2	45.3
	43.3	46.0	38.5	34.8	49.1
	44.5	48.5	35.5	33.2	55.3
	49.1	56.0	36.5	34.2	59.5
U	36.8	41.0	----	----	47.0
U	39.5	43.0	33.0	----	45.8
U	38.2	40.5	33.5	----	49.0
U	35.0	37.5	----	----	42.0
U	34.1	37.5	----	----	43.5
U	34.1	37.5	----	----	42.4
U	43.0	49.0	----	----	53.8
	47.5	52.5	38.0	35.6	66.0
U	37.5	40.5	33.0	----	45.1
U	33.8	36.5	----	----	39.8
U	36.9	40.0	----	----	59.0
U	45.2	50.0	35.5	----	53.7
U	40.4	43.5	33.0	----	53.1
	48.7	51.5	39.5	34.8	57.9
U	32.1	36.0	----	----	44.6
U	39.7	43.0	----	----	53.1
	47.0	50.5	38.0	34.7	55.7
	52.1	57.5	39.5	35.8	63.9
U	42.0	45.0	34.5	----	53.0
U	34.1	37.0	----	----	41.6
U	34.6	38.0	----	----	44.5
U	34.5	37.5	----	----	45.1
U	38.9	44.5	----	----	51.1
	42.7	48.0	34.5	----	53.7
U	37.6	41.0	----	----	46.0
U	32.3	36.0	----	----	45.4
U	35.2	40.0	----	----	48.7
U	37.6	44.0	----	----	47.4
U	44.2	48.0	32.5	----	54.2
	51.9	58.0	37.0	34.3	62.4
U	39.8	43.5	32.5	----	52.2
U	33.2	36.0	----	----	40.8
U	40.1	44.5	----	----	51.8
U	49.3	55.0	----	----	59.5
U	39.9	45.0	32.5	----	50.0
U	41.1	47.0	32.5	----	50.9
	41.8	44.0	38.0	34.0	47.6
U	43.6	47.0	33.0	----	50.6
U	32.6	36.0	----	----	40.0
U	35.0	37.0	----	----	50.6
U	42.6	47.0	33.5	----	53.4
	45.2	47.5	34.5	32.9	60.1
U	48.5	53.5	33.0	----	60.5
	42.7	44.5	39.5	36.7	48.5
U	43.1	46.5	35.0	----	49.1
	43.8	47.0	35.0	33.0	52.1
U	39.6	44.0	33.0	----	52.9
	39.1	40.5	37.0	35.3	48.9
	51.7	57.0	39.0	37.5	61.3
	44.7	47.0	40.5	37.8	52.6
	45.1	47.5	38.5	35.3	58.0
	41.2	44.5	37.0	35.1	54.7
	44.7	46.0	42.5	40.6	49.3
	45.2	48.5	37.5	35.1	56.2

49.0	52.0	41.0	37.8	65.9
50.3	52.5	45.0	43.3	65.0
50.8	55.0	44.0	41.8	63.6
52.4	54.5	46.0	43.0	67.3
51.5	54.0	45.0	43.0	65.9
52.1	55.0	46.0	42.8	64.2
53.2	56.5	47.0	43.0	63.3
54.6	57.5	47.5	43.1	67.6
55.1	58.0	49.5	44.4	66.6
53.2	56.0	47.5	42.7	66.0
57.0	60.5	48.5	42.8	69.3
57.0	59.0	49.5	44.6	75.4
57.0	60.0	49.5	44.1	73.3
52.6	56.0	46.5	41.9	71.8
57.5	61.5	47.5	41.8	66.8
71.2	62.5	46.5	40.8	97.9
53.1	56.5	44.5	40.1	66.1
54.8	58.5	46.0	40.8	67.4
53.2	56.5	47.0	40.3	68.9
55.9	60.0	46.5	41.7	66.4
56.8	60.5	49.5	45.2	66.8
55.6	59.0	49.5	45.6	66.3
51.8	55.5	44.5	38.1	63.8
53.7	57.0	45.0	38.9	68.7
55.0	58.0	47.5	39.8	66.8
54.8	58.0	48.0	44.4	71.2
53.4	57.0	45.5	40.5	65.9
50.1	53.0	44.0	39.0	63.7
58.1	59.5	45.5	41.7	73.6
58.2	61.0	47.0	40.6	75.1
54.8	58.0	46.5	43.5	69.5
53.5	57.5	46.0	42.4	68.2
57.7	61.5	45.5	40.0	70.0
56.9	59.5	47.0	38.2	68.2
58.4	62.5	53.5	50.6	66.6
59.2	63.0	53.0	51.7	67.8
58.6	60.0	52.0	46.8	75.4
56.6	60.5	47.5	41.9	69.3
58.6	61.0	45.0	40.2	77.1
59.6	62.0	54.0	44.5	71.7
61.1	65.5	46.5	41.7	76.9
56.1	58.5	50.5	47.4	73.1
58.4	62.5	46.5	41.9	73.7
55.4	59.5	45.5	42.2	68.5
57.3	60.0	46.5	40.5	71.4
51.4	54.5	44.0	38.7	66.4
55.2	58.5	46.0	41.0	67.9
51.8	54.5	46.0	45.4	57.8

 Br el & Kj
 Sound Level Meter Type 2238
 Logging BZ7124 ver. 1.2.0

FILENAME: 006.M24

SETTINGS:

 Serial no: 2285721
 Range: 32.0 - 112.0 dB
 Peaks Over: 140 dB
 2nd Exch. Rate: 4 dB
 Period Time: Normal
 Logged Every: 05:00
 Detector 1 (RMS)
 Bandwidth: Broad Band
 Freq. Wgt.: A
 Detector 2 (Br.Band)
 Weighting: Peak/C
 Sound Incidence: Frontal
 Windscreen Correction: Off

CALIBRATION:

```
-----
Micr.:                2588103
Sensitivity:          -30.8 dB
Date:                2013 Dec 23 18:13:39
```

OVERALL RESULTS:

```
-----
Start Date            2014 Jan 30
Start Time            10:48:29
Elapsed Time          49:49:10
Overload              0.0 %
Underrange            3.4 %
```

RMS MEASUREMENT RESULTS:

```
-----
Bandwidth:            Broad Band
Freq. Wgt.:           A
-----
LFMax                 97.7 dB
LSMax                 90.0 dB
LIMax                 100.4 dB
LFMin                 ---.- dB
LSMin                 ---.- dB
LIMin                 ---.- dB
LAFTm5                60.3 dB
Leq                   53.7 dB
LIeq                  59.7 dB
```

PEAK MEASUREMENT RESULTS:

```
-----
Freq. Wgt.:           C
-----
#Peaks                0
Lpkmax                109.0 dB
```

LOGGED RESULTS (1 of 1):

```
-----
Marker   LAF10   LAFMin
         LAeq   LAF90   LAFMax
-----
OU1234   dB     dB     dB     dB     dB
-----
56.8  59.0  47.5  43.9  80.5
52.2  53.5  47.0  42.0  68.0
51.1  54.5  45.5  42.0  64.1
53.8  56.0  46.0  42.1  69.1
52.3  55.0  42.5  38.4  69.4
56.9  57.5  40.0  36.7  75.7
52.0  54.5  44.5  40.4  68.9
51.2  51.5  43.0  40.3  67.9
48.5  51.5  42.0  37.2  57.3
55.8  57.5  45.5  40.3  70.3
48.1  51.0  43.0  39.6  56.6
55.9  59.0  43.0  37.7  73.1
54.6  57.5  47.0  42.3  69.0
54.6  57.0  47.5  43.7  67.8
50.4  53.0  41.5  37.9  67.0
54.0  53.0  40.0  36.4  72.3
52.3  57.0  42.0  35.8  63.2
58.3  60.5  41.5  37.0  75.3
54.5  57.0  46.0  41.1  71.9
48.5  52.0  42.0  36.8  62.0
50.5  55.0  41.5  37.4  63.4
55.0  58.0  41.5  37.2  70.8
48.1  52.0  40.5  37.2  64.4
49.3  53.0  42.5  39.4  61.8
53.7  56.5  43.5  37.2  67.6
49.9  52.5  44.5  39.0  60.2
47.2  50.5  42.0  39.0  60.7
50.4  53.5  41.5  37.2  69.4
47.4  49.5  40.5  37.1  70.7
56.6  56.0  42.5  37.0  73.4
48.9  51.5  43.0  38.7  59.2
```

Raw Data (N1).txt

46.4	48.5	41.5	37.9	56.8
52.0	56.0	43.5	38.8	60.8
54.5	54.0	41.0	37.8	73.8
47.1	50.0	39.5	35.5	63.6
49.2	53.5	41.0	37.7	59.2
46.9	50.0	41.5	36.6	56.0
48.0	50.5	42.0	38.5	61.6
46.1	49.0	41.0	37.9	55.9
47.3	50.0	41.5	35.2	59.9
48.1	51.0	39.0	35.1	64.1
56.8	58.0	43.0	37.6	73.9
57.8	61.5	47.5	40.0	65.2
48.9	51.5	44.0	40.1	57.8
48.9	50.5	43.5	39.6	63.7
51.9	52.0	40.5	37.6	68.0
47.2	50.5	40.5	37.3	57.5
58.9	61.5	44.0	39.5	73.9
55.5	59.0	47.5	40.9	64.9
51.3	54.0	47.5	41.9	61.9
53.1	57.0	45.5	41.5	65.4
55.4	58.0	44.5	40.1	70.5
49.0	51.5	44.5	37.7	60.2
48.8	52.0	43.5	38.6	60.8
52.9	55.5	45.5	40.4	68.3
49.8	52.0	45.5	42.4	62.3
53.9	56.0	47.5	40.7	66.6
55.1	60.0	43.5	39.2	69.6
53.0	57.0	43.5	40.2	68.5
54.9	59.0	44.0	39.1	68.6
51.0	54.0	44.5	38.9	62.8
57.7	59.0	43.5	40.6	72.5
48.0	50.5	42.0	38.6	64.5
51.4	56.0	41.0	38.1	63.1
55.3	58.0	44.0	41.1	68.8
54.3	57.5	46.5	43.3	66.0
55.2	59.0	47.5	44.1	68.2
56.2	60.0	46.0	41.9	67.5
57.0	61.0	45.5	40.7	69.2
52.2	56.0	45.0	41.9	64.8
52.9	57.5	45.0	41.1	64.7
54.7	58.0	48.0	43.0	63.8
54.5	58.0	47.5	42.2	63.4
52.8	55.5	49.0	45.7	61.6
52.6	55.0	48.0	45.4	62.3
58.8	63.0	47.5	42.5	71.5
58.1	62.5	46.5	41.4	70.0
53.8	57.0	46.0	41.3	66.7
59.3	59.0	49.0	45.8	74.5
52.5	55.5	45.5	40.8	72.3
51.5	54.5	44.0	41.1	73.5
55.4	57.5	45.5	39.1	68.5
59.9	63.0	45.0	40.3	74.2
51.8	54.5	44.0	39.9	72.6
56.4	59.5	49.5	46.6	74.7
52.1	55.0	46.0	43.1	61.8
48.4	53.5	38.5	34.3	58.3
53.6	50.5	41.0	36.5	69.5
51.5	57.0	41.5	39.1	61.1
49.4	53.0	44.5	41.1	59.5
53.6	56.5	48.0	44.8	61.4
52.6	56.5	43.5	39.8	61.6
50.3	53.5	44.5	41.5	59.9
54.3	57.0	44.0	42.3	68.2
48.8	52.0	43.0	40.3	56.0
49.4	53.5	42.0	40.3	60.1
54.2	57.5	46.0	42.4	65.5
52.1	54.0	45.5	43.1	67.4
44.6	47.0	40.5	38.5	51.3
46.1	50.0	39.0	36.7	61.2
54.0	56.5	41.0	38.8	68.6
52.2	55.5	42.5	40.9	66.1
49.3	52.0	44.5	41.6	54.9
47.8	51.0	42.0	39.2	58.8
46.2	49.0	41.5	39.2	57.7
54.3	55.5	42.0	39.1	68.1

	50.1	50.5	42.0	39.9	67.1
	51.0	53.0	43.5	41.5	67.9
	51.5	54.0	45.5	42.7	63.9
	45.6	48.0	41.5	39.5	53.4
	41.1	43.5	38.5	36.2	49.3
	49.8	55.0	37.0	35.3	61.6
	46.1	49.0	41.5	38.0	52.8
	51.7	56.5	41.5	40.1	63.9
	57.4	55.0	44.0	39.6	71.4
	51.5	56.0	43.0	40.7	62.6
	45.6	48.0	42.0	39.5	51.3
	54.3	56.5	39.5	36.8	68.4
	47.3	49.5	40.5	38.5	63.4
	50.1	52.0	42.0	39.4	66.2
	55.4	59.5	46.5	42.7	69.4
	43.4	45.5	40.0	37.5	53.7
	42.2	44.5	38.5	36.8	52.2
	50.5	56.0	38.0	35.1	60.1
	46.3	48.5	41.5	37.4	51.6
	58.1	59.5	44.5	41.0	72.0
	50.9	55.0	44.5	42.5	59.7
	52.4	57.0	42.5	40.3	60.6
	46.7	50.0	41.5	39.3	53.4
	52.0	53.5	43.0	40.6	65.1
	53.7	58.5	44.0	42.3	64.7
	55.5	58.0	47.5	45.4	68.2
	49.4	52.5	45.0	42.3	58.4
	51.1	54.0	44.5	42.1	60.8
	46.3	49.5	41.0	37.3	60.0
	50.7	54.5	40.0	37.9	69.3
	45.3	47.5	42.5	40.4	50.2
	50.2	54.5	40.5	38.0	58.1
	58.0	59.5	44.0	40.7	71.7
	49.8	56.0	40.0	37.9	60.1
	46.9	50.5	41.0	38.4	54.7
	54.5	54.5	42.5	38.3	68.0
	46.3	48.5	43.5	41.3	52.1
	47.7	50.5	43.0	40.9	55.9
	50.4	54.5	43.0	40.3	56.8
	50.2	55.0	40.0	38.3	61.7
	47.0	50.5	41.0	38.0	58.9
	54.1	54.0	40.0	37.8	67.9
	46.1	48.5	42.0	39.3	57.2
	50.4	55.5	41.5	39.9	58.2
	48.3	51.5	42.5	39.8	55.3
	49.3	54.5	41.5	38.2	58.4
	50.2	56.0	40.0	37.5	59.2
	44.4	47.0	40.0	37.7	54.7
	43.7	46.0	40.5	37.9	51.3
	50.1	54.5	40.5	37.8	58.8
	51.6	56.0	39.0	35.3	61.8
	50.3	54.0	40.5	38.0	58.3
	46.3	48.5	42.5	40.7	54.7
	51.6	56.5	36.5	34.1	61.9
	44.9	50.0	38.5	36.3	57.5
	51.9	57.0	40.5	37.7	61.3
	51.7	55.5	44.0	40.8	62.5
	47.3	51.5	40.0	37.0	56.3
	45.2	49.5	38.0	35.4	60.0
	44.8	48.5	36.5	34.1	61.6
	44.1	47.5	37.0	33.5	57.7
	49.0	52.5	39.5	36.3	61.1
	50.4	55.0	41.5	38.1	58.9
	41.3	43.5	35.5	33.4	53.4
	47.7	51.0	41.0	38.6	59.3
	47.1	50.5	39.5	35.5	59.2
U	37.2	39.5	34.0	---	44.9
U	49.5	55.0	36.0	---	58.0
	53.1	57.5	39.0	35.9	77.5
	41.6	44.5	35.0	---	56.2
U	34.9	36.5	32.5	---	47.7
U	35.0	36.5	33.0	---	40.9
U	39.2	42.0	35.0	32.0	45.9
	47.6	52.0	37.5	34.8	54.9
	51.7	57.0	37.0	33.9	62.1

U	37.4	39.0	35.0	----	42.7
U	42.5	46.5	32.5	----	51.2
	42.5	45.0	37.5	34.8	52.6
	39.7	41.5	37.0	34.3	47.6
	52.1	55.0	39.0	37.2	74.5
U	39.2	40.5	33.0	----	55.4
U	33.8	36.5	----	----	43.7
U	38.8	43.0	----	----	46.6
U	38.7	41.5	33.5	----	52.1
U	33.2	35.0	----	----	43.0
U	33.2	37.0	----	----	42.5
U	50.9	56.0	32.5	----	61.5
U	35.8	37.0	33.5	----	49.5
U	----	33.5	----	----	37.5
U	----	34.0	----	----	37.5
U	34.1	37.5	----	----	43.0
U	42.9	48.0	----	----	53.3
U	42.1	46.0	34.5	----	51.0
U	34.9	37.5	----	----	40.7
U	33.4	35.5	----	----	38.3
U	34.5	36.5	----	----	39.7
U	42.8	48.5	33.0	----	51.3
	48.5	53.0	34.5	32.9	58.4
U	38.1	41.5	34.0	----	46.2
U	33.0	35.0	----	----	38.5
U	32.1	34.5	----	----	38.3
U	34.0	36.0	----	----	39.1
U	----	34.5	----	----	37.8
U	35.3	36.0	----	----	55.6
	43.9	48.0	36.5	34.6	51.7
U	42.1	46.5	34.0	----	51.3
U	32.6	34.5	----	----	39.2
U	32.3	35.0	----	----	45.1
U	33.0	37.5	----	----	43.2
U	36.3	40.5	----	----	44.1
U	37.8	40.5	34.0	----	45.3
U	36.7	38.5	----	----	47.1
U	47.4	52.5	33.0	----	58.5
U	47.9	53.5	33.5	----	58.4
U	34.6	36.5	32.5	----	42.2
U	----	33.0	----	----	36.7
U	44.2	47.5	33.0	----	51.8
U	40.4	45.0	33.0	----	49.5
U	36.1	39.0	32.5	----	46.7
U	33.6	35.5	----	----	43.6
U	----	34.0	----	----	41.1
U	----	35.0	----	----	42.9
U	----	34.5	----	----	40.6
U	----	33.0	----	----	37.7
U	----	----	----	----	38.3
U	47.0	52.0	----	----	60.4
	47.4	49.5	43.0	38.5	53.7
	47.9	49.0	38.0	35.7	63.5
	52.2	57.5	37.0	34.7	63.1
	42.4	45.5	36.5	33.9	49.6
U	43.8	48.0	33.5	----	56.0
U	37.7	40.0	34.0	----	43.3
	44.8	46.5	36.5	34.3	68.6
	44.1	45.5	40.0	38.6	65.0
	51.7	54.0	38.5	34.8	67.0
	56.3	60.0	37.0	33.4	74.3
U	53.7	56.5	34.5	32.9	70.2
	58.1	62.5	38.0	33.4	76.1
	55.7	58.0	41.0	34.7	75.2
	53.3	58.0	44.0	40.1	64.9
	58.5	61.0	46.5	39.7	73.9
	55.5	60.0	46.5	41.8	65.6
	51.1	54.0	46.0	42.8	64.4
	52.0	54.5	46.5	43.8	66.3
	56.2	59.5	46.5	42.2	75.9
	59.5	63.5	50.0	44.6	69.2
	55.4	59.0	48.0	45.2	74.0
	54.8	57.5	49.5	45.1	65.9
	54.0	57.0	47.5	44.0	67.2
	56.3	60.0	47.0	42.6	68.2

Raw Data (N1).txt

55.3	58.5	48.5	44.5	70.3
56.0	60.0	46.0	42.1	69.9
55.4	59.5	47.0	42.0	64.8
55.3	58.5	48.5	44.2	64.7
55.3	57.5	49.0	45.1	69.8
55.1	58.0	46.5	40.1	68.7
55.1	59.0	45.5	41.0	68.4
55.0	58.5	47.0	40.8	64.8
56.7	60.0	50.0	42.2	66.1
55.1	58.5	48.5	43.1	68.2
57.5	62.0	47.0	41.4	68.4
58.3	61.5	46.5	40.8	72.3
54.3	57.5	48.0	42.7	64.8
58.9	63.0	48.5	42.6	70.0
56.0	59.5	47.0	39.3	73.0
56.1	59.0	49.0	44.7	71.8
56.4	60.0	46.0	42.8	67.5
54.8	58.5	47.5	40.8	67.1
56.4	60.0	47.0	41.3	71.4
55.8	59.5	47.5	42.6	67.6
57.4	60.5	50.0	44.3	71.6
60.3	64.0	50.5	43.5	72.6
60.8	64.5	48.5	41.4	76.0
57.6	61.0	48.5	41.4	67.4
59.2	62.0	49.5	43.8	74.9
61.8	64.0	53.0	45.0	73.7
59.7	62.0	51.0	47.1	76.4
57.8	61.0	48.5	44.5	72.2
56.3	59.5	49.5	45.8	68.8
59.0	63.0	49.0	44.3	77.4
57.1	60.5	47.5	43.7	71.7
56.1	58.5	50.0	46.5	69.2
70.6	64.0	49.5	44.1	93.2
56.3	60.5	46.5	42.6	70.4
54.5	58.0	47.0	41.7	67.7
56.8	60.5	49.5	45.0	68.4
56.4	60.5	47.5	41.4	69.0
56.5	60.5	47.5	42.9	70.0
59.6	62.5	47.5	43.5	73.8
56.9	61.0	46.5	41.0	70.1
56.3	58.5	45.0	41.3	71.4
56.4	60.0	45.0	39.7	70.2
55.4	59.5	44.0	38.7	71.9
52.0	54.0	46.0	41.1	68.1
54.3	56.5	45.5	40.8	71.1
51.2	53.5	43.5	37.8	71.1
50.4	52.5	42.0	37.4	69.4
55.4	59.0	45.0	37.9	70.0
52.1	56.0	43.5	39.5	66.1
50.3	53.5	42.0	37.8	64.8
51.4	55.0	43.5	39.6	63.4
49.3	52.5	44.0	39.5	57.9
48.2	49.5	40.5	36.8	68.9
50.8	53.0	43.0	39.5	68.9
50.7	54.0	44.5	39.9	63.1
50.8	54.5	43.5	38.5	66.0
51.3	54.0	44.5	40.1	62.2
53.2	56.5	45.0	40.0	67.2
52.4	54.5	44.5	39.7	71.0
50.8	52.0	41.5	37.1	70.3
52.2	55.0	44.0	39.8	68.5
59.2	60.0	44.0	41.5	74.9
58.6	62.5	45.0	39.7	73.8
47.8	49.0	41.5	37.5	70.4
49.4	52.0	44.0	40.5	67.3
48.9	52.5	41.0	37.1	61.2
46.0	49.0	40.0	37.1	55.7
46.5	49.5	41.0	37.1	57.6
51.8	55.0	45.0	39.6	65.5
52.2	55.5	44.5	41.9	64.3
53.9	58.0	45.0	40.6	66.6
52.4	56.0	43.5	38.5	66.2
48.4	50.5	43.0	37.9	59.8
51.7	53.5	44.5	40.1	66.0
51.5	55.0	45.5	40.7	61.1

U

53.1	55.0	45.0	40.5	67.3
51.6	54.0	46.0	40.5	67.1
52.1	55.5	42.5	39.4	69.3
58.5	60.5	43.0	38.5	73.8
54.8	56.0	42.0	36.9	70.6
55.0	56.0	42.0	36.9	72.9
54.9	57.0	43.0	39.2	70.8
48.7	51.0	42.5	37.6	61.3
60.0	65.0	42.5	36.8	74.8
46.5	49.0	41.5	38.0	62.4
46.2	49.5	40.0	34.7	60.4
49.0	52.0	43.0	38.2	58.6
55.4	55.5	43.5	39.2	71.8
55.2	57.0	45.5	41.0	72.1
56.7	61.5	45.0	39.5	71.3
62.3	67.0	44.0	37.7	74.8
53.0	56.0	41.0	33.4	69.2
54.2	58.0	40.0	34.2	71.3
57.5	59.5	46.0	39.6	74.6
51.8	55.5	42.5	37.1	65.3
54.5	57.5	44.0	40.1	74.2
55.5	58.5	43.0	38.4	71.4
52.2	56.0	45.0	38.3	63.1
54.4	57.5	48.5	43.5	62.8
59.2	60.0	49.0	43.0	76.7
53.1	56.0	46.5	39.9	64.3
52.5	55.5	45.5	41.5	62.8
57.6	61.5	46.5	40.6	71.6
58.3	62.0	45.5	41.2	75.8
58.2	61.0	47.5	41.1	74.1
51.4	54.5	43.0	37.3	68.9
56.1	59.0	49.0	43.8	69.0
60.8	63.0	46.0	39.1	79.3
63.4	59.0	45.5	39.6	93.4
57.5	62.0	45.0	38.5	70.6
57.2	61.0	47.0	41.4	67.8
51.6	55.5	43.5	39.4	62.4
53.5	57.5	43.0	37.3	66.4
50.0	53.5	42.0	37.5	60.7
57.1	57.5	42.0	35.2	73.8
46.8	51.0	40.0	36.2	58.9
60.5	65.0	47.0	42.0	71.0
57.0	61.5	43.0	35.9	68.4
53.5	58.0	42.0	38.3	64.0
58.9	64.0	42.0	34.4	71.6
47.3	51.5	34.5	---	68.0
46.0	49.0	40.0	34.6	57.3
49.5	52.5	43.5	40.7	56.1
47.5	51.0	41.0	37.0	57.0
42.4	45.0	38.0	34.9	55.8
51.1	55.5	43.5	41.1	61.2
57.2	58.0	38.0	35.5	72.3
46.7	51.0	39.0	36.3	54.3
52.9	56.5	43.5	38.9	60.9
46.6	48.5	41.5	38.1	58.7
41.4	42.5	38.0	35.1	57.7
53.9	56.0	39.0	35.0	67.9
48.2	50.5	42.5	39.0	64.9
50.2	53.0	44.5	39.0	56.0
52.2	55.0	44.5	40.4	62.0
49.8	53.0	42.0	36.6	58.1
46.8	51.0	39.0	36.5	56.9
49.6	54.0	38.5	35.9	61.9
48.9	52.5	41.5	37.5	61.9
57.4	58.5	37.0	33.7	74.2
52.5	55.0	36.0	33.8	69.9
45.0	48.5	38.0	35.6	56.7
52.9	53.0	38.5	34.5	69.2
47.3	50.0	37.0	---	60.8
38.5	41.0	35.0	---	47.2
45.1	49.0	36.0	33.0	54.6
49.5	52.5	42.0	37.4	57.3
46.0	48.5	40.5	37.2	65.0
47.2	51.5	39.5	35.3	58.6
43.7	46.5	37.5	34.0	54.7

	46.7	50.0	38.0	34.5	60.7
	57.1	57.0	38.0	35.1	72.8
	49.8	54.5	41.5	36.8	59.8
	49.0	48.5	38.5	35.2	67.2
	54.0	59.5	40.5	35.3	66.6
	57.4	61.5	41.0	36.6	72.1
	42.9	45.5	39.0	36.3	49.6
	47.4	51.0	42.0	37.8	56.6
	49.3	51.5	43.5	40.3	60.6
	50.9	55.0	42.5	38.8	59.8
	45.0	48.0	38.5	35.0	55.8
	51.1	56.0	38.5	35.0	67.4
	54.9	56.0	45.0	40.3	69.3
	53.6	57.0	46.5	42.9	68.8
	53.8	57.0	46.5	43.3	63.2
	46.2	49.5	39.0	36.1	57.2
	46.7	48.0	39.0	37.0	59.6
	54.0	54.0	38.5	36.6	70.9
	48.6	51.0	43.5	40.2	55.4
	46.8	50.0	38.5	34.7	53.0
	51.8	54.5	46.5	40.9	59.0
	44.6	47.5	40.0	36.9	53.4
	44.2	47.5	39.0	35.5	54.5
	46.7	50.0	40.5	37.3	55.2
	47.6	50.0	42.0	38.5	56.2
	46.7	49.5	41.0	36.3	55.4
	53.1	57.0	42.0	38.4	60.7
	47.6	51.0	38.5	36.1	55.9
	51.9	50.0	42.5	37.8	70.5
	49.6	53.5	41.5	38.8	58.1
	50.4	55.0	42.5	38.7	59.3
	47.3	50.5	39.5	37.4	58.5
	51.5	55.0	44.0	39.5	61.6
	44.8	48.0	39.5	35.9	52.3
	42.5	45.0	39.0	37.2	51.6
	52.5	55.5	46.0	41.8	59.4
	48.9	51.5	45.5	44.2	56.3
	46.6	51.0	40.0	37.9	55.0
	52.7	57.0	44.0	39.1	62.6
	43.7	46.0	37.0	34.2	56.3
U	38.0	40.5	34.5	---.-	44.2
U	43.8	49.5	34.5	---.-	53.3
	42.5	43.5	36.5	33.7	54.6
	46.1	50.0	37.5	33.5	63.8
	52.2	56.5	37.5	34.7	59.8
	46.1	49.0	40.0	36.4	54.1
	46.7	50.5	42.0	39.6	53.0
U	46.2	51.5	34.5	---.-	53.6
U	38.7	41.5	34.0	---.-	49.8
U	43.6	48.5	32.0	---.-	52.6
	49.0	54.0	39.0	33.6	59.3
U	44.3	48.0	34.0	---.-	53.2
U	46.2	50.5	36.5	---.-	56.3
	50.9	54.5	41.5	36.1	73.7
U	44.5	45.0	34.0	---.-	67.7
U	42.8	45.5	37.5	---.-	52.1
	50.5	56.0	35.0	---.-	61.4
U	47.5	53.0	33.5	---.-	60.6
U	35.4	37.0	---.-	---.-	54.2
U	34.3	36.0	---.-	---.-	55.7
U	---.-	33.5	---.-	---.-	46.7
U	43.0	47.5	---.-	---.-	52.2
	49.6	53.5	40.5	35.1	59.3
U	41.5	44.5	34.5	---.-	54.3
U	38.6	42.5	33.5	---.-	45.7
	48.7	52.0	37.5	34.3	60.5
U	37.4	39.5	34.0	---.-	43.4
U	47.2	53.0	34.5	---.-	57.4
	41.6	44.0	36.0	33.7	53.0
	48.3	53.0	38.0	33.7	60.9
	48.2	52.0	40.0	36.0	56.9
U	40.9	44.5	32.5	---.-	49.6
U	33.8	36.5	---.-	---.-	39.2
U	32.3	36.0	---.-	---.-	38.6
U	50.8	56.5	---.-	---.-	64.3

U	42.2	43.0	32.5	----	63.2
U	36.3	34.0	----	----	63.4
U	43.4	36.5	----	----	72.4
U	42.0	47.0	----	----	53.1
U	45.0	49.5	----	----	65.4
	49.4	53.0	37.5	33.2	60.5
U	37.1	39.0	----	----	52.8
U	----	----	----	----	37.5
U	45.5	50.0	----	----	53.9
U	39.6	44.5	----	----	50.8
U	36.1	41.0	----	----	50.5
	50.0	55.5	38.5	33.5	62.5
U	36.8	41.5	----	----	49.5
U	----	----	----	----	40.6
U	----	----	----	----	38.5
U	----	----	----	----	36.5
U	42.0	44.5	----	----	55.6
U	43.4	49.0	----	----	56.4
U	36.0	40.0	----	----	45.1
U	----	----	----	----	37.7
U	----	----	----	----	37.5
U	----	----	----	----	39.6
U	33.2	37.5	----	----	41.2
U	----	33.5	----	----	37.6
U	48.4	54.5	----	----	61.9
	46.0	46.0	40.5	38.1	60.2
U	48.3	52.5	----	----	58.3
U	----	33.0	----	----	38.6
U	----	33.0	----	----	41.3
U	40.0	43.5	----	----	47.8
U	36.0	39.5	----	----	44.8
	44.6	47.0	38.0	33.4	51.1
U	32.8	36.0	----	----	41.1
U	----	33.0	----	----	38.1
U	----	32.0	----	----	45.5
U	----	33.0	----	----	46.3
U	----	----	----	----	35.2
U	----	35.5	----	----	41.6
U	32.1	36.5	----	----	41.6
	46.6	49.5	41.0	37.9	52.8
U	36.5	40.5	----	----	43.7
	51.6	56.5	34.0	----	61.9
	49.8	51.5	46.0	43.0	55.8
	44.8	47.5	37.5	34.9	53.3
	44.1	47.0	38.0	35.8	49.5
	43.4	46.0	40.0	37.4	47.7
	46.6	46.5	42.5	39.2	64.8
	52.6	56.0	41.0	37.7	70.2
	54.9	59.0	43.5	40.3	68.8
	51.3	55.0	42.0	38.8	63.5
	50.5	54.5	42.0	40.3	63.9
	54.1	57.0	46.5	43.5	64.8
	54.5	58.0	46.5	43.1	65.0
	52.9	56.0	46.5	43.7	64.3
	52.4	55.0	47.5	44.3	65.7
	54.4	56.0	45.5	40.8	69.1
	52.7	55.5	44.0	37.4	64.2
	56.2	59.5	46.5	38.7	69.8
	54.4	57.0	45.5	40.2	74.2
	56.9	60.5	49.5	43.2	68.6
	53.9	57.0	47.0	42.9	64.7
	54.2	57.5	46.0	40.8	69.8
	52.4	55.5	45.0	38.4	63.8
	54.2	57.5	46.0	38.1	65.5
	54.9	58.0	47.0	42.7	67.5
	54.5	57.0	46.5	39.2	69.0
	54.5	57.0	50.5	43.8	63.3
	55.0	58.5	48.0	44.5	67.3
	53.4	56.5	46.5	42.5	63.0
	54.5	58.5	45.0	40.1	67.4
	52.8	55.5	46.0	40.2	66.9
	53.2	57.0	47.5	44.4	67.6
	58.7	62.0	50.5	45.8	71.1
	53.3	56.5	47.0	43.2	64.6
	55.6	59.0	46.5	40.4	72.4

Raw Data (N1).txt

56.0	59.0	48.5	44.5	71.9
60.9	58.0	48.0	44.7	90.2
56.3	60.0	47.5	38.6	66.3
57.7	61.0	50.5	47.0	68.6
57.1	61.0	48.0	44.3	70.0
56.4	59.0	50.0	46.0	70.3
54.4	57.0	46.0	41.2	73.3
53.8	56.5	47.5	41.2	68.8
67.0	59.0	48.0	42.6	97.7
58.6	62.0	46.5	39.5	73.9
54.1	57.5	44.0	38.7	68.2
53.8	57.0	46.5	41.6	65.4
50.4	53.5	44.0	40.7	62.6
57.7	62.0	45.5	41.1	70.9
57.7	62.0	49.5	44.1	68.1
54.7	58.0	49.0	46.0	63.4
53.9	57.0	49.0	44.9	63.6
56.6	59.0	47.5	43.8	72.7
50.1	52.5	45.0	42.6	61.1
50.1	52.0	47.0	43.9	57.8
52.2	54.0	46.0	42.7	68.6
54.4	57.5	47.0	43.0	66.8
53.7	56.5	46.5	41.4	66.7
53.6	57.0	48.0	45.3	63.8
57.7	59.5	47.0	44.0	72.3
53.1	55.5	47.5	43.8	65.8
52.3	55.0	48.0	43.6	60.4
52.6	54.5	48.5	44.3	60.9
49.9	53.0	44.5	40.2	58.9
57.6	60.5	48.0	44.0	75.1
49.2	51.5	44.5	40.7	60.3
51.6	54.0	45.5	39.8	63.1
50.1	53.0	44.0	39.5	65.8
52.8	55.0	43.5	37.8	71.9
50.3	53.0	44.5	38.8	62.7
51.3	54.5	43.5	39.8	62.7
55.6	57.5	42.0	38.7	71.4
49.3	52.5	43.5	40.7	61.7
53.5	56.0	49.0	44.3	64.0
50.5	53.5	45.0	40.3	61.0
51.5	55.0	43.0	35.7	62.8
49.5	53.0	41.5	37.0	62.9

Appendix G

**Meteorological Data during Baseline Monitoring
(Cheung Chau Station)**

Date		Weather	Total Rainfall (mm)	Cheung Chau Station			
				Mean Air Temp. (°C)	Wind Speed (km/h)	Mean Relative Humidity (%)	Wind Direction (degree)
4-Jan-14	Sat	Dry, cloudy. Moderate to fresh north to northeasterly winds.	0	18.4	21.1	51	10
5-Jan-14	Sun	Dry, cloudy. Moderate to fresh north to northeasterly winds.	0	16.2	19.5	56	100
6-Jan-14	Mon	Cloudy, dry, fine. Moderate to fresh northerly winds.	0	16.4	25.1	68	100
7-Jan-14	Tue	Cloudy, dry, fine. Moderate to fresh northerly winds.	Trace	17.8	19.0	81	100
8-Jan-14	Wed	Cloudy, rain, light winds. Appreciably cooler as winds strengthening from the north.	Trace	18.4	15.2	83	360
9-Jan-14	Thu	Cloudy, dry, fine. Moderate to fresh northerly winds.	0	14.7	23.0	66	10
10-Jan-14	Fri	Cloudy, dry, fine. Moderate to fresh northerly winds.	Trace	14.9	21.7	73	100
11-Jan-14	Sat	Fine and very dry. Moderate northeasterly winds.	0	16.3	19.5	74	100
12-Jan-14	Sun	Fine, dry, cold. Moderate northeasterly wind.	0	17.2	17.8	72	20
13-Jan-14	Mon	Fine, dry, cold. Moderate northeasterly wind.	0	12.8	27.2	67	360
14-Jan-14	Tue	Fine, dry, cold. Moderate northeasterly wind.	0	12.8	21.6	66	10
15-Jan-14	Wed	Fine, dry, cold. Moderate to fresh east to northeasterly winds.	0	13	24.4	58	10
16-Jan-14	Thu	Fine and dry. Moderate to fresh east to northeasterly winds.	0	14	18.4	65	80
17-Jan-14	Fri	Fine, dry, cold. Moderate northeasterly wind.	0	14.9	10.5	80	30
18-Jan-14	Sat	Fine and very dry. Moderate northeasterly winds.	0	15.7	16.3	54	20
19-Jan-14	Sun	Fine and dry. Moderate to fresh east to northeasterly winds.	0	14.2	16.0	67	80
20-Jan-14	Mon	Fine and dry. Moderate to fresh east to northeasterly winds.	0	15.7	14.0	57	20
21-Jan-14	Tue	Fine and very dry. Moderate northeasterly winds.	0	14.3	24.8	36	10
22-Jan-14	Wed	Fine and very dry. Moderate northeasterly winds.	0	12.5	15.2	48	20
23-Jan-14	Thu	Mainly cloudy with sunny periods. Moderate easterly winds.	0	13.4	19.3	64	70
24-Jan-14	Fri	Mainly cloudy with sunny periods. Moderate easterly winds.	0	16.1	18.2	76	100
25-Jan-14	Sat	Mainly fine and dry. Moderate easterly winds.	0	18.2	13.0	79	40
26-Jan-14	Sun	Mainly cloudy with sunny periods. Moderate easterly winds.	0	18.8	15.6	77	20
27-Jan-14	Mon	Mainly fine and dry. Moderate easterly winds.	0	16.2	22.1	73	110
28-Jan-14	Tue	Mainly fine and dry. Moderate easterly winds.	0	16.5	13.8	77	110
29-Jan-14	Wed	Fine, dry. Moderate easterly winds, fresh at times.	0	17.3	14.8	73	120
30-Jan-14	Thu	Fine, dry. Light to moderate easterly winds.	0	18.2	5.6	78	140
31-Jan-14	Fri	Fine. Dry with some haze. Light to moderate easterly winds.	0	19	10.4	78	130

Note:

Wind Direction (degree):

90 = East

180 = South

270 = West

360 = North

Appendix H

Tentative Master Construction Program

Activity ID	Description	Calendar	Ind Qty	Sch	Early Start	Late Start	Orig Dur	Rem Dur	Early Finish	Late Finish	Free Float	Total Float	TRA	2016											
														J	F	M	A	M	J	J	A	S	O	N	D
Contract Dates																									
KDC000050	Contract Date	Cal_1			23OCT13	23OCT13	0	0			0	0	0d												
KDC000100	Starting Date	Cal_1			24OCT13	24OCT13	0	0			0	0	0d												
KDC000200	Section 1 of the Works Completion Date	Cal_1					0	0	23OCT15	23OCT15	0	0	0d	▲ Section 1 of the Works Completion Date											
KDC000300	Section 2 of the Works Completion Date	Cal_1					0	0	23OCT16	23OCT16	0	0	0d	▲ Sect											
Planned Completion Dates																									
KDP000100	Planned Section 1 of the Works Completion	Cal_1					0	0	07OCT15	23OCT15	0	16d	0d	▲ Planned Section 1 of the Works Completion Date											
KDP000200	Planned Section 2 of the Works Completion	Cal_1					0	0	07OCT16	23OCT16	16d	16d	0d	▲ Planne											
Access Dates																									
KDA000100	Portion A Access Date	Cal_1			24OCT13	24OCT13	0	0			0	0	0d	▼ Portion A Access Date											
KDA000200	Portion B Access Date	Cal_1			24OCT13	24OCT13	0	0			0	0	0d	▼ Portion B Access Date											
KDA000300	Portion C Access Date	Cal_1			24OCT13	24OCT13	0	0			0	0	0d	▼ Portion C Access Date											
KDA000400	Portion D Access Date	Cal_1			24OCT13	24OCT13	0	0			0	0	0d	▼ Portion D Access Date											
KDA000500	Portion E Access Date	Cal_1			24OCT13	24OCT13	0	0			0	0	0d	▼ Portion E Access Date											
KDA000600	Portion F Access Date	Cal_1			24OCT13	24OCT13	0	0			0	0	0d	▼ Portion F Access Date											
KDA000700	Portion G Access Date	Cal_1			24OCT13	24OCT13	0	0			0	0	0d	▼ Portion G Access Date											
General Provisions																									
GEF000300	Temp accomm for PM, Supervisor & Contractor	Cal_1		A	24OCT13	25OCT13	1095	1095	22OCT16	23OCT16	1d	1d	0d	Temp											
GEF000400	Computer facilities for PM & Supervisor	Cal_1		A	24OCT13	25OCT13	1095	1095	22OCT16	23OCT16	1d	1d	0d	Comp											
GEF000500	Marine transport for PM & Supervisor	Cal_1		A	24OCT13	25OCT13	1095	1095	22OCT16	23OCT16	1d	1d	0d	Marin											
GEF000600	Site staff/hotline/temp facilities/site clean	Cal_1		A	24OCT13	25OCT13	1095	1095	22OCT16	23OCT16	1d	1d	0d	Site st											
GEF000700	Provision of uniform	Cal_1		A	24OCT13	25OCT13	1095	1095	22OCT16	23OCT16	1d	1d	0d	Provis											
General Submissions																									
GES000100	Initial survey and report	Cal_1					0	0	28DEC13	28DEC13	0	0	0d	▲ Initial survey and report											
GES000200	Establish TMLG	Cal_1			05JAN14 *	05JAN14	0	0			0	0	0d	▼ Establish TMLG											
GES000500	MTS tree felling - approval	Cal_1					0	0	17DEC13	17DEC13	0	0	0d	▲ MTS tree felling - approval											
GES000700	Effluent discharge license - award	Cal_1					0	0	31DEC13	31DEC13	0	0	0d	▲ Effluent discharge license - award											

Start date	23OCT13	CRBC-CPP JV Accepted Programme	Re-submission; Rev A; File: A003
Finish date	23OCT16		
Data date	23OCT13		
Run date	07FEB14		
Page number	1A		
c Primavera Systems, Inc.			

Contract No. 1/WSD/13
 Improvement of Fresh Water Supply to Cheung Chau

■ Early bar
■ Progress bar
▼ Start milestone point
▲ Finish milestone point

