

ATAL-Degremont-China Harbour Joint Venture

Contract No. DC/2013/10 Design, Build and Operate San Wai Sewage Treatment Works

Monthly Operational Phase EM&A Report for December 2021

[01/2022]

	Name	Signature
Prepared & Checked:	Alex Chan	An
Reviewed & Certified:	Y W Fung	7/

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The information contained in this report is, to the best of our knowledge, correct at the time of printing. The interpretation and recommendations in the report are based on our experience, using reasonable professional skill and judgment, and based upon the information that was available to us. These interpretations and recommendations are not necessarily relevant to any aspect outside the restricted requirements of our brief. This report has been prepared for the sole and specific use of our client and AECOM Environment accepts no responsibility for its use by others.

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AECOM Asia Co. Ltd.

12/F, Grand Central Plaza, Tower 2, 138 Shatin Rural Committee Road, Shatin, NT, Hong Kong Tel: (852) 3922 9000 Fax: (852) 2317 7609 www.aecom.com



Drainage Services Department Sewage Services Branch Harbour Area Treatment Scheme 5/F, Western Magistracy 2A Po Fu Lam Road Hong Kong

Attention: Mr Albert Wong

Your reference:

Our reference:

HKDSD203/50/107761

Date:

12 January 2022

BY EMAIL & POST

(email: awong@dsd.gov.hk)

Dear Sirs

Agreement No. HATS 02/2016
Services for Independent Environmental Checker (IEC) for
Contract No. DC/2013/10 – Design, Build and Operate San Wai Sewage Treatment Works – Phase 1
Monthly Operational Phase Environmental Monitoring and Audit Report No.7 (December 2021)

We refer to emails on 10 and 11 January 2022 from AECOM Asia Co. Ltd. attaching the Monthly Operational Phase Environmental Monitoring and Audit Report No. 7 (December 2021).

We have no comments and hereby verify the Monthly Operational Phase Environmental Monitoring and Audit Report No. 7 (December 2021) in accordance with Clause 5.4 of the Environmental Permit no. EP-464/2013.

Should you have any queries, please do not hesitate to contact the undersigned or our Ms Karen Po on 2618 2831.

Yours faithfully

ANEWR CONSULTING LIMITED

James Choi

Independent Environmental Checker

CPSJ/LCCR/PKWK/lsmt

cc AECOM – Mr CY Hung (email: cy.hung@swstw-aecom.com) AECOM – Mr YW Fung (email: yw.fung@aecom.com)

ANewR Consulting LimitedUnit 517, 5/F, Tower A, Regent Centre

63 Wo Yi Hop Road, Kwai Chung, Hong Kong Tel: (852) 2618 2831 Fax: (852) 3007 8648

Email: info@anewr.com Web: www.anewr.com



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EXECUTIVE SUMMARY

In accordance with the Environmental Monitoring and Audit Manual (EM&A Manual) and the Environmental Permit (EP-464/2013) for the Contract No. DC/2013/10 - Design, Build and Operate San Wai Sewage Treatment Works – Stage 1 (the Project), air quality and water quality monitoring are required during operational phase of the Project. The purpose of operational phase monitoring is to confirm the predictions of mitigation measures advised in the EIA report.

As confirmed by the Contractor, all major construction activities of the Project has been completed in May 2021. The Operational Phase of the Project commenced in March 2021. This Monthly Operational Phase Monitoring Report summarizes monitoring events carried out during period from 1 to 31 December 2021. There was a total of six monitoring events carried out during the reporting month. The exact dates of monitoring carried out in this month are tabulated below:

Monitoring Event	Date	
H ₂ S measurement	8 and 9 December 2021	
Odour Patrol	8 December 2021	
Marine Water Quality Monitoring	15 December 2021	
Effluent Quality Monitoring	15 December 2021	
Toxicity Testing	15 December 2021	
Landscape and Visual Auditing	10 December 2021	

Air Quality Monitoring

No Action and Limit Levels exceedance of H₂S measurement was recorded in the reporting month.

Odour intensity were recorded from 0 to 1 during odour patrolling in the reporting month.

Water Quality Monitoring

No non-compliance of marine water monitoring was recorded in the reporting month.

No non-compliance of effluent quality monitoring was recorded in the reporting month.

Toxicity Test

Toxicity test was conducted in the reporting month.

Landscape and Visual Auditing

Landscape and visual auditing was conducted in the reporting month.

Environmental complaint, notification of summons and successful prosecution

No environmental complaint, notification of summons and successful prosecution was received in the reporting month.

Reporting Change

There were no reporting changes in the reporting month.

Future Key Issue

The Project has entered the Operation Phase since March 2021 and its normal operation in the reporting month. Mitigation measures as proposed in the approved Environmental Impact Assessment report will be provided and maintained at the Project.

1 INTRODUCTION

1.1 Background

- 1.1.1. This Monthly Operational Phase Environmental Monitoring and Audit (EM&A) Report is prepared for Contract No. DC/2013/10 Design, Build and Operate San Wai Sewage Treatment Works Stage 1 (the Project). The Project was awarded to ATAL-Degremont-China Harbor Joint Venture (ADCJV) by the Drainage Services Department (DSD). AECOM Asia Co. Ltd. was appointed as the Environmental Team (ET) by ADCJV to implement the operational phase EM&A program in compliance with the EP and the EM&A Manuals.
- 1.1.2. The project involves expansion of the preliminary treatment works at San Wai STW from 164,000 m³/d to 200,000 m³/d Average Dry Weather Flow, upgrading the preliminary treatment level to CEPT and adding centralized disinfection. The site layout plan is shown in **Figure1.1**.
- 1.1.3. According to the Section 25 of the Particular Specification (PS) and the Environmental Permit No. EP-464/2013, an EM&A programme should be implemented in accordance with the procedures and requirements in the Environmental Monitoring & Audit Manual (EM&A Manual) of the approved EIA report (Registration No. AEIAR-072/2003). The EM&A Manual and EP provide guidelines for the Operational Phase Monitoring Reports and for preparation of the Operational Phase Monitoring Reports.
- 1.1.4. The operational phase of the Project was commenced in March 2021.
- 1.1.5. As part of the project EM&A program, baseline monitoring was conducted during July 2019 to April 2020 to determine the ambient environmental conditions before the Project commence operation works.
- 1.1.6. This is the 7th Monthly Operational Phase Environmental Monitoring and Audit (EM&A) Report for the Project which summaries the audit findings of the EM&A programme during the reporting month from 01 to 31 December 2021.

2 AIR QUALITY MONITORING

2.1 Monitoring Requirement

2.1.1 In accordance with Section 2.5 of the EM&A Manual, odour panel tests and H₂S measurement are required to be conducted for one year after commission of the expanded and upgraded Sai Wai STW.

2.2 Monitoring Parameters

- 2.2.1 15-min Hydrogen Sulphide (H₂S) concentration (in parts per million) was measured at the site boundary, nearby air sensitive receivers and the exhaust of deodourisation units. Meteorological conditions including temperature, wind speed, wind direction and relative humidity was measured at the time of the monitoring.
- 2.2.2 Since no correlation between H₂S concentration and odour units was established in the first set of odour monitoring, no subsequent odour units monitoring would be conducted in the air quality monitoring as requested in Section 2.5.1.34 of the EM&A manual.
- 2.2.3 Apart from odour monitoring, regular oduor patrolling in the vicinity of the STW was also conducted in a monthly interval during the operational phase to ensure that prompt action would be taken whenever any excessive odour emissions area detected.

2.3 Monitoring Frequency

2.3.1 The monitoring frequency of each odour parameters are listed in the Table 2.1.

Table 2.1 Parameter and Frequency of Odour monitoring

Monitoring Parameter	Frequency
H ₂ S Measurement	Quarterly
Odour Patrol	Monthly

2.4 Monitoring Method

H₂S Measurement

- 2.4.1 H₂S concentration were measured by using of two H₂S analyzers, which utilizes a gold film sensor for the detection of H₂S. The H₂S analyzers were controlled by microprocessor and ensuring raid accurate analyses. The H₂S analyzers were fitted with Data logger, Interface cable and interface software, and Data download and graphics service. The calibration certificates of H₂S analysers are presented in **Appendix B**.
- 2.4.2 Weather condition including wind direction, wind speed, temperature and humidity was recorded during H₂S measurement.

Odour Patrol

- 2.4.3 The odour patrol was a simple judgement by an observer patrolling and sniffing around the facilities to detect any odour. This observer should be free from any respiratory disease and not normally working at the facilities.
- 2.4.4 The observer followed a predeterminded route which should normally be going from non-odours to odours area. The observer would patrol slowly along the route and use his olfactory sense to detect any odours. The locations listed in the predeterminded route are shown **Figure 2.3**.

- 2.4.5 The observer brought along a logbook to record the findings. The logbook book was kept in the plant office where it could be inspected when necessary. The findings were included the followings:
 - Prevailing weather condition
 - · Wind directions
 - Location where odour spotted
 - · Possible source of odour
 - · Perceived intensity of the odour
 - · Duration of odour

2.5 Monitoring Locations for Impact Monitoring

2.5.1 H₂S measurements was undertaken at the proposed monitoring locations, the proposed monitoring locations were determined by the ET Leader and agreed with ER and EPD as the request of the Section 2.5.1.25 and 2.5.1.26 of the EM&A Manual. The monitoring locations are presented in **Table 2.2** and shown in **Figure 2.1** and **Figure 2.2**.

Table 2.2 Proposed Monitoring Locations for Odour Sampling and H2S Measurement

Identification of Monitoring Location	Description	
ASR1a	晉榮貨櫃服務有限公司	
ASR2b	永康貨櫃服務有限公司	
Site Boundary, SB1*1	Site boundary	
OD1*2	Downwind of the exhaust point	
OD2*2	of deodourisation units	

^{*1} According to Sections 2.5.1.25 of the EM&A Manual, the H₂S measurement shall be undertaken at the site boundary downwind of the exhaust point of the deodourisation unit and the covered odour source. **Figure 2.2** shown the locations of the site boundary downwind of the exhaust point of the deodourisation unit.

2.6 Action and Limit Levels

2.6.1 The Action and Limit Levels established from the baseline monitoring are shown in the **Table 2.3** and **Appendix K**.

Table 2.3 Action and Limit Level for Oduor Monitoring

Location of Monitoring	Parameters	Action Level	Limit Level
SB1	H ₂ S concentration, ppm	0.0109	0.0109
ASR1		0.0100	0.0100
ASR2		0.0157	0.0157
OD1	H ₂ S concentration in ppb/ppm, flow rate of exhaust	AL = LL/2 = 139 μg/s of H ₂ S	LL = 277 μ g/s of H ₂ S
OD2	in m ³ /s and temperature of exhaust (°C)		

2.7 Event and Action Plan

2.7.1 The Event and Action Plan for the operational phase odour monitoring was annexed in Appendix L.

^{*2} According to Sections 2.5.1.26 of the EM&A Manual, H₂S measurement shall be conducted at the exhaust point of the deodorization unit (OD1&2). Considered the situation of the COVID-19, the ET Leader proposed to conduct only the H₂S measurement at OD1&2. The proposal for this change was approved by the EPD.

2.8 Results and Observation

H₂S Measurement

- 2.8.1 The H₂S measurement at the proposed locations was carried out on 08 December 2021 at 09:00 to 09 December 2021 at 08:00. Measurements of H₂S were conducted in parallel (within a 3-hour period) at the sources and receivers. A total of eight sets of data were obtained from samples collected over different periods of a 24-hour cycle day.
- 2.8.2 The H₂S measurement results for site boundary/ ASR and dedourisation unit are summarized in **Table 2.4** and **Table 2.5**. Detailed H₂S measurement results are presented in **Appendix C**.

Table 2.4 Summary of Odour Monitoring Results for Site boundary / ASRs

Round	Date	Location	Averaged H₂S Concentration, ppm	Action Level, ppm	Limit Level, ppm
Davisid	08 and 09	SB1	0.0076	0.0109	0.0109
Round 1 to 8	December 2021	ASR1a	0.0064	0.0100	0.0100
		ASR1b	0.0069	0.0157	0.0157

Table 2.5 Summary of Odour Monitoring Results for Exhaust of Deodourisation Unit

Round	Date	Location	Averaged H ₂ S Concentration ppm	Expressed as µg/s	Action Level µg/s	Limit Level µg/s
Round	08 and 09 December	OD1	0.0048	72.7	139	277
1 to 8	2021	OD2	0.0102	108.3	. 30	

- 2.8.3 No exceedance of Action and Limit Levels was recorded in the reporting month.
- 2.8.4 During the sampling period, meteorological data including humidity, wind speed and temperature was recorded, and wind direction was obtained from the Hong Kong Observatory's Lau Fu Shan Weather Station and presented in **Appendix D**.

Odour Patrol

- 2.8.5 The odour patrol was carried out on 08 December 2021 during at 09:40 and 15:45. The observer was patrolling and sniffing around the facilities to detect the any odour, as required by the EM&A Manual.
- 2.8.6 The weather condition, wind direction and results for odour patrol at each monitoring location are provided in **Appendix E.**
- 2.8.7 During the odour patrol, the odour intensity were recorded from 0(not detectable) to 1(slight). The source and duration of odour recorded during odour patrol can be referred to **Appendix E**.

3 WATER QUALITY MONITORING

Marine Water Quality Monitoring

3.1 Monitoring Requirements

- 3.1.1 In accordance with Section 4.5.1.12 of the EM&A Manual, operational phase marine water quality monitoring is suggested three months after the commissioning of the expanded and upgraded San Wai STW.
- 3.1.2 Marine water samples and in situ measurement should be collected from all the sampling stations on 8 occasions at intervals of approximates 3 months during the operational phase of the Project. On each occasion, marine water samples should be collected every 2 hours for a 12-hour duration. When significant change in the marine water quality are detected, the monitoring frequency should be increase as necessary until the cause for the change is identified.

3.2 Monitoring Equipment

3.2.1 Equipment used in the marine water quality monitoring programme is summarized in Table 3.1.

Table 3.1 Marine Water Quality Monitoring Equipment

Monitoring Equipment	Equipment Model
Multifunctional Meter (measurement of Dissolved Oxygen, pH, temperature, salinity and turbidity)	YSI 6820 V2
Water Depth	Lowrance x-4
Positioning Equipment	Garmin GPS72H

3.3 Monitoring Parameter, Frequency and Duration

3.3.1 **Table 3.2** summarises the monitoring parameters, frequency and duration of marine water quality monitoring, as request in Section 4.5.1.13 of the EM&A manual.

Table 3.2 Marine Water Quality Monitoring Parameters, Frequency and Duration

Monitoring Stations	Parameters, unit	Frequency	Duration
W1 to W8	In-situ Measurement: • Temperature, °C • Salinity, ppt • DO, mg/L • DO Saturation, % • Turbidity, NTU Laboratory Analysis: • SS, mg/L • TIN, mg/L • Unionised ammonia, mg/L • BOD ₅ ,mg/L • E. coli, cfu/100mL • Cadmium, Copper, Nickel, Lead, Chromium, Mercury and Zinc, μg/L • PCBs, μg/L • PCBs, μg/L	8 occasions at intervals of approximately 3 months during the operation phase of the upgraded and expanded San Wai STW.	On each occasion, marine water samples will be collected every 2 hours for a 12-hour duration.

3.4 Monitoring Locations

3.4.1 Marine water quality monitoring was undertaken at the proposed monitoring stations set out in the Section 4.5.1.6 of EM&A Manual. The proposed marine water quality stations were presented in **Table 3.3** and shown in **Figure 3.1**.

Table 3.3 Proposed Marine Water Quality Monitoring Stations

Station	Easting	Northing
W1	808231	827494
W2	807469	828888
W3	807221	823737
W4	806309	829988
W5	809062	824638
W6	807066	825034
W7	805592	828162
W8	805412	829400

3.5 Monitoring Methodology

3.5.1 Operating/Analytical Procedures

- (a) Digital Differential Global Positioning System (DGPS) was used to ensure that the correct location was selected prior to sample collection.
- (b) Portable, battery-operated echo sounder was used for the determination of water depth at each designated monitoring station.
- (c) All in-situ measurements were taken at 3 water depths, 1 m below water surface, mid-depth and 1 m above seabed, except where the water depth was less than 6 m, in which case the mid-depth station was omitted. Should the water depth be less than 3 m, only the mid-depth station was monitored.
- (d) During the marine water quality measurement, a portable multifunctional meter will be used for measurement of pH, dissolved oxygen, water temperature, turbidity and salinity.
- (e) Spare parts of equipment will be maintained for necessary replacement.
- (f) Water samples were collected using the water sampler at the monitoring stations and the samples were stored in high-density polythene bottles and then packed in cool-boxes (cooled at 4oC without being frozen) for carrying out the laboratory analysis. The analysis will be commenced in a HOKLAS accredited laboratory, WELLAB LIMITED. (HOKLAS Registration No. 083) within 24 hours after collection of the samples.
- (g) The laboratory analysis reports for marine water quality monitoring are attached in **Appendix G**.

3.5.2 Maintenance and Calibration

- (a) Before each round of monitoring, the dissolved oxygen probe of YSI 6820 V2 was calibrated by the wet bulb method. A zero check in distilled water was performed with the turbidity probe of YSI 6820 V2 once per monitoring day.
- (b) The monitoring instruments were checked, calibrated and certified by a laboratory accredited under HOKLAS before use and subsequently re-calibrated at 3-monthly intervals throughout all stages of the water quality monitoring. The calibration record for each monitoring instrument used in the water quality monitoring process is annexed in **Appendix B**.

3.6 Monitoring Result for Marine Water Quality Monitoring

3.6.1 The marine water quality monitoring was conducted on 15 December 2021 in the reporting month. The summary of monitoring results and criteria of Water Quality Objectives (WQOs) are summarized in **Table 3.4**. Detail of marine water quality monitoring result is annexed in **Appendix F**.

Table 3.4 Summary of Monitoring Results and criteria of WQOs

Doromotor	Ave	rage	Mini	mum	Maximum		Water Quality Objectives	
Parameter	Result	Baseline	Result	Baseline	Result	Baseline	(in marine waters)	
Temp. (°C)	21.2	24.1	21.1	18.8	21.4	29.9	Change due to waste discharge < 2 °C	
Salinity (ppt)	34.6	25.5	34.1	4.3	35.1	33.1	Change due to waste discharge < 10% of natural ambient level	
рН	7.45	7.95	7.37	7.64	7.50	8.38	6.5 – 8.5 and change due to waste discharge < 0.2	
DO Depth Average (mg/L)	7.99	6.46	7.30	2.96	8.64	10.14	Depth averaged: > 4 mg/L for 90% samples	
Turbidity (NTU)	4.3	7.9	2.6	2.3	5.3	31.9	Not available	
SS (mg/L)	12.4	7.6	4.0	<2.5	56.0	29.0	< 30% increase in the natural ambient level	
Cadmium (µg/L)	<0.5	0.5	<0.5	<0.5	<0.5	4.2	Not available	
Copper (µg/L)	1.4	6.0	<1.0	1.0	4.0	119.0	Not available	
Nickel (µg/L)	1.0	1.9	<1.0	<1.0	3	36.0	Not available	
Lead (µg/L)	1.0	1.8	<1.0	<1.0	2.0	166.0	Not available	
Mercury (µg/L)	<0.5	0.6	<0.5	<0.5	<0.5	44.0	Not available	
Chromium (µg/L)	<1	1.3	<1	<1.0	<1	50.0	Not available	
Zinc (µg/L)	30.1	25.8	19.0	3.0	59.0	871.0	Not available	
TIN (mg/L)	0.45	1.20	0.18	0.27	5.00	2.51	< 0.5 mg/L (annual mean depth average)	
NH3-N (mg/L)	0.08	0.004	0.03	0.001	0.21	0.031	Not available	
BOD ₅ (mg/L)	<2.0	2.6	<2.0	<2.0	<2.0	7.0	Not available	
<i>E. coli</i> (cfu/100mL)	35.8	60.3	9.0	<1.0	64.0	980.0	< 610 per 100mL (annual geometric mean)	
PAHs (µg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	Not available	
PCBs (µg/L)	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	Not available	

- 3.6.2 The weather condition during the monitoring was either fine or cloudy. Sea conditions for the majority of monitoring days was moderate. No major water pollution source and no marine construction activities in the vicinity of the stations, which might affect the results was observed during the marine water quality monitoring.
- 3.6.3 The average suspended solids (SS) levels measured in the reporting month were higher than the 30% increase in the natural ambient levels (baseline levels). With a review of the SS levels measured at all water quality monitoring locations, the highest averaged SS level (17.7 mg/L) was measured at W3, where was located farthest from the discharge point. And the averaged SS level at W6 (12.2 mg/L), which was located between the discharge point and W3, was slightly lower than W3. From the distances and monitoring results measured at different monitoring points, it can be concluded that the increase of SS levels at the monitoring points was not caused by the discharge point of the Project.
- 3.6.4 Since the increase of SS levels was not related to the Project, so no non-compliance of the marine water monitoring was recorded in the reporting period.

Effluent Quality Monitoring

3.7 Monitoring Requirement

3.7.1 In accordance with Section 4.6.1.1 of the EM&A Manual, in order to ensure the effectiveness of the proposed treatment process, effluent quality monitoring is recommended.

3.8 Monitoring Parameter

- 3.8.1 As recommended by the EM&A Manual, the effluent quality monitoring was included the follows parameters:
 - pH
 - BOD (mg/L)
 - SS (mg/L)
 - TIN (μg/L)
 - NH₃-N (mg/L)
 - E. coli (cfu/100mL)
 - Cadmium (µg/L)
 - Copper (µg/L)
 - Nickel (µg/L)
 - Lead (µg/L)
 - Mercury (µg/L)
 - Chromium (µg/L)
 - PCBs (µg/L)
 - PAHs (µg/L)

3.9 Monitoring Location

3.9.1 Effluent quality monitoring was carried out at the effluent outlet of the San Wai STW as shown in **Figure 3.2**.

3.10 Monitoring Result for Effluent Quality Monitoring

3.10.1 The effluent monitoring results during the reporting month is summarized in **Table 3.5**. The laboratory analysis reports for the effluent quality monitoring is presented in **Appendix H**.

Table 3.5 Monitoring Result of Effluent Quality Monitoring

		Limitation o	n Discharge		
Parameter	Result	Percentile	Upper		
		Standard	Limit		
рН	7.4	Not av	ailable		
BOD₅ (mg/L)	69	180	360		
SS (mg/L)	30	120	240		
TIN (µg/L)	28	Not av	ailable		
NH ₃ -N (mg/L)	28	Not available			
E. coli (cfu/100mL)	2,900	300,000	20,000#		
(Grab sample)	2,900	300,000	20,000		
Cadmium (µg/L)	<0.5	Not av	ailable		
Copper (µg/L)	8	Not av	ailable		
Nickel (µg/L)	7	Not av	ailable		
Lead (µg/L)	<1	Not av	Not available		
Mercury (µg/L)	<0.5	Not available			
Chromium (µg/L)	<1	Not av	Not available		
PCBs (µg/L)	<0.02	Not av	Not available		
PAHs (μg/L)	<0.1	Not av	ailable		

^{#:} The upper limit is in monthly geometric mean.

3.10.2 No non-compliance of effluent quality was recorded in the reporting month.

4 TOXICITY TEST

4.1 Monitoring Requirement

4.1.1 In accordance with Section 4.6.1.2 of the EM&A Manual, toxicity testing shall be carried out on 8 occasions at intervals of approximately 3 months during the operational phase of the Project for two marine species. One of the two marine species shall be selected from local environment. The representative species that will be chosen for testing and technical details of the testing method should be agreed and approved by the EPD prior to the operation of the sewage treatment works. The testing method for the EPD approval was submitted on 22 April 2021.

4.2 Monitoring methodology

4.2.1 The methodology of the toxicity testing is summarized in the **Table 4.1**.

Table 4.1 Methodology for Toxicity Testing

Types of Respective Species	Diatom	Barnacle larvae
	(Skeletonema costatum)	(Balanus Amphitrite)
Toxicity Testing	Chronic Toxicity	Acute Toxicity
Time requirement	7 days	48 hours
Toxicity testing method	NOEC in 7-day diatom growth	LC50 in 48-hr barnacle larvae
	inhibition test	survival test

4.3 Testing result

- 4.3.1 The NOEC in 7-day diatom growth inhibition test for Diatom was 2.5%.
- 4.3.2 The LC50 in 48-hr barnacle larvae survival test for Barnacle larvae was 26.4%
- 4.3.3 The result of toxicity testing is annexed in **Appendix I**.

5 LANDSCAPE AND VISUAL AUDITING

5.1 Monitoring Requirement

- 5.1.1 In accordance with Section 6.4 of the EM&A Manual, a competent landscape architect should be employed by the Contractor for the implementation of landscape construction works and subsequent maintenance operations during the 12 months establishment period. The establishment works should be undertaken throughout the Contractor's first year maintenance period which will be within the first operational year of the Project.
- 5.1.2 All measures undertaken by the both Contractor and the Landscape Contractor during the first year of the operational phase should be audited by a Landscape Architect, as a member of the ET, on a regular basis to ensure compliance with the intended aims of the measures. Site inspections should be undertaken at least once every two months during the operational phase.

5.2 Result and Recommendations

- 5.2.1 Landscape and visual auditing was conducted by a Landscape Architect on 10 December 2021 during the reporting month.
- 5.2.2 Observations and reminders were summarized in the landscape and visual impact assessment checklists which is annexed in **Appendix J**.

6 WASTE MANAGEMENT FOR SLUDGE

6.1.1 All dewatered sludge from the operation stage of the Project has been transported to the Sludge Treatment Facility (STF) for disposal, in accordance with the admission tickets obtained from VW-VES(HK) Ltd, the contractor of EPD operating the STF.

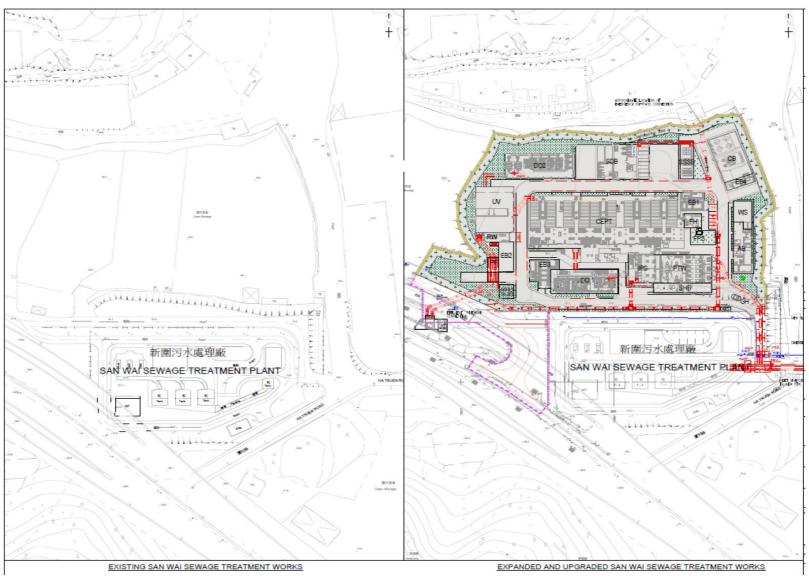
7 ENVIRONMENTAL COMPLAINT, NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTION

7.1.1 No environmental complaint, notification of summons and successful prosecution was received in the reporting month.

8 CONCLUSIONS

- 8.1.1 No Action and Limit Levels exceedance of H₂S measurement was recorded in the reporting month.
- 8.1.2 Odour intensity were recorded from 0 to 1 during odour patrolling in the reporting month.
- 8.1.3 No non-compliance of marine water monitoring was recorded in the reporting month.
- 8.1.4 No non-compliance of effluent monitoring was recorded in the reporting month.
- 8.1.5 Toxicity test was conducted in the reporting month.
- 8.1.6 Landscape and visual auditing was conducted in the reporting month.
- 8.1.7 No environmental complaint, notification of summons and successful prosecution was received in the reporting month.

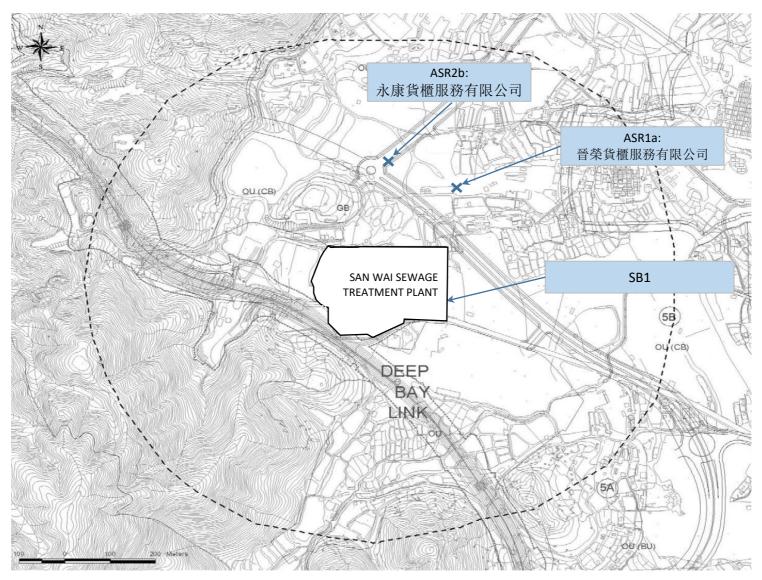
FIGURES



Site Layout Plan



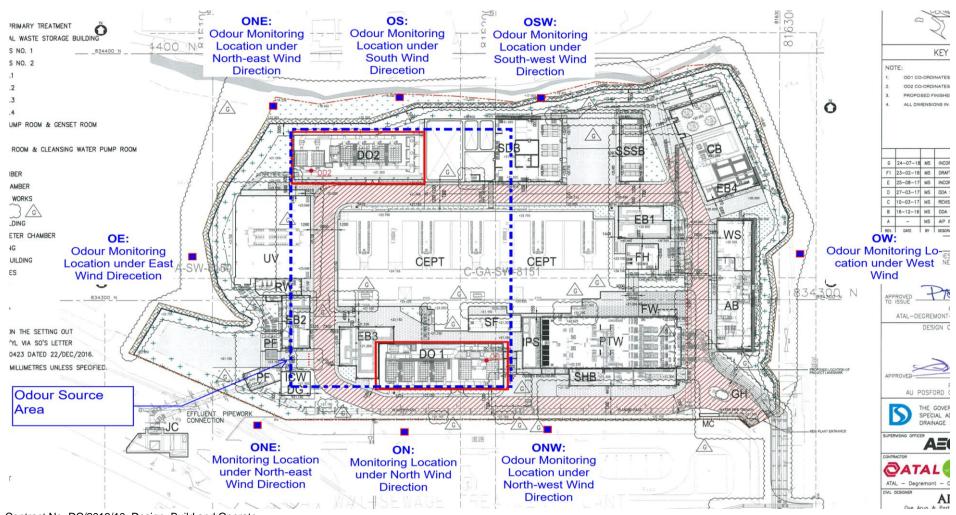
Date: July 2021 Figure 1.1



Locations of Odour Monitoring Stations



Date: July 2021 Figure 2.1



Contract No. DC/2013/10: Design, Build and Operate

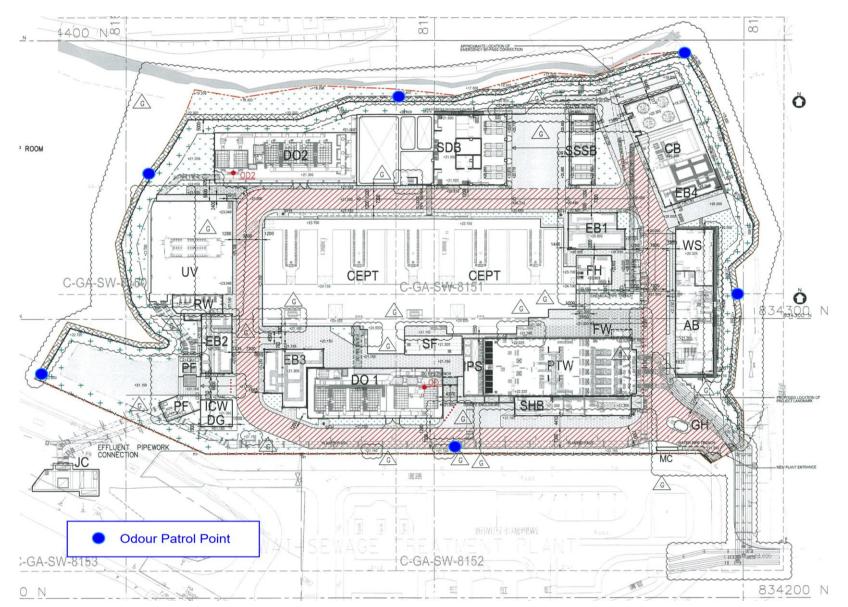
San Wai Sewage Treatment Works -

Operational Phase Monitoring

Site Boundary Downwind Location of Exhaust Point of the Deodourisation Unit



Date: August 2021 Figure 2.2



Locations of Odour Patrol Point



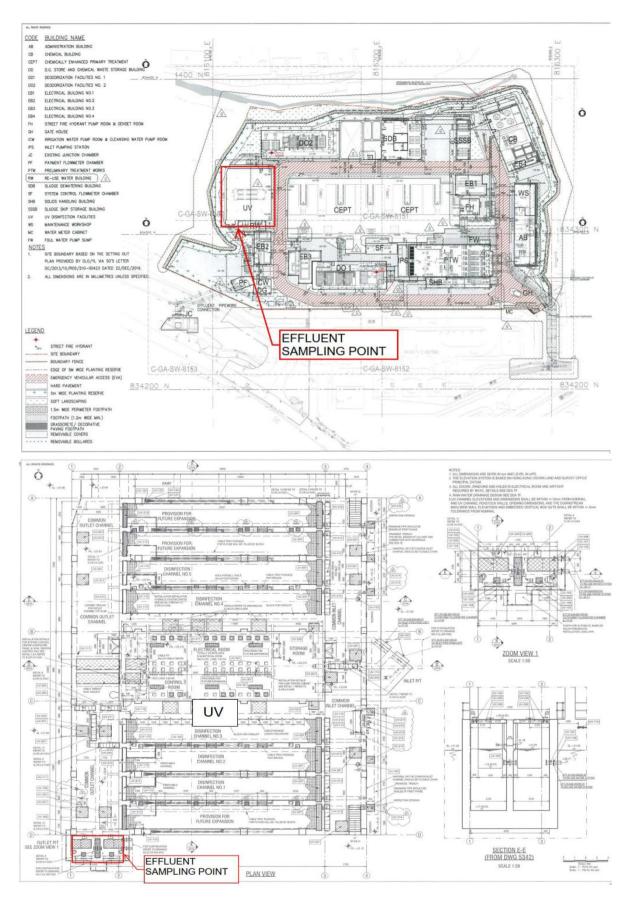
Date: July 2021 Figure 2.3



Locations of Marine Warer Qaulity Monitoring Stations



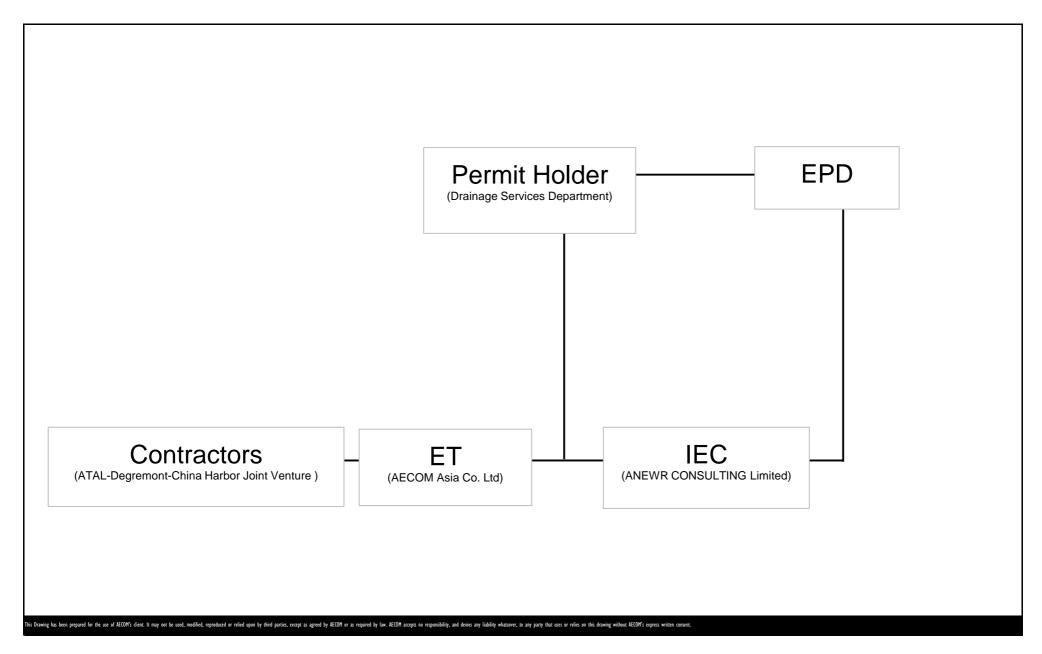
Date: July 2021 Figure 3.1



Locations of Effluent Monitoring Stations

Date: July 2021 Figure 3.2

APPENDIX A PROJECT ORGANIZATION STRUCTURE



Contract No. DC/2013/10 Design, Build and Operate San Wai Sewage Treatment Works **Project Organization Structure**



APPENDIX B
CALIBRATION CERTIFICATES OF
MONITORING EQUIPMENT



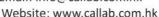
Cal Lab Limited 校正實驗室有限公司

Room 2103, Technology Plaza, 29-35 Sha Tsui Road,

Tsuen Wan, NT, Hong Kong

Tel: +852 25680106 Email: info@callab.com.hk

Fax: +852 30116194 V





Calibration Certificate No.: CC0042110

Customer Information

Customer:

AECOM Asia Company Limited

Address:

8/F, Tower 2, Grand Central Plaza, 138 Shatin Rural Committee Road, Shatin, N.T. HK

Equipment Identification

Equipment Description

Manufacturer

Model No.

Serial No.

Assigned equipment No.

Hydrogen Sulfide Analyzer

ARIZONA INSTRUMENT LLC

Jerome® 631X

1911

N/A

Certificate Information

Date of Receipt:

8 October 2021

Calibration Condition:

24.3°C, 51%RH, 1000hPa

Date of Calibration:

11 October 2021

Adjustment:

N/A Good

Due Date of Calibration: Calibration Procedure:

BS EN 60079-29-2:2015

Appearance: Remark:

N/A

Reference Equipment Identification

Equipment Description

Model

Serial No.

Expiration Date

Formaldehyde

PGM-6208

M01C022401

23 October 2021

Result of Calibration

Indication

Gas	Reference	Measured	Measured Error (%) Uncertainty (%FS)		Technical	Technical
Gas	Setting (ppm)	Reading (ppm)			Requirement	Reference Doc.
Hydrogen Sulfide	0.0	0.00	N/A	N/A	N/A	N/A
Hydrogen Sulfide	0.2	0.21	5.0	6.6	± 5 ppm	JJG695-2003
Hydrogen Sulfide	0.5	0.51	2.0	6.6	± 5 ppm	JJG695-2003
Hydrogen Sulfide	1.0	1.02	2.0	6.6	± 5 ppm	JJG695-2003

Repeatability

Repeatability	APTRO-			
Gas	Reference Setting	RSD (%)	Technical	Technical Reference
das	(ppm)	N3D (70)	Requirement	Doc.
Hydrogen Sulfide	1.0	1.0	≤ 2.0 %	JJG695-2003

Response Time

Kesponse Time				
Gas	Reference Setting	Response Time (s)	Technical	Technical Reference
003	(ppm)	response rime (s)	Requirement	Doc.
Hydrogen Sulfide	1.0	27	≤ 30 s	JJG695-2003

CT-GAS-01

Note1: The estimated expanded uncertainties have been calculated in "Evaluation and expression of uncertainty in measurement" and give an internal estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.

Note2: The standard (s) and instrument used in the calibration are traceable to national or international recognized standard and are calibrated on a schedule to maintain the accuracy and good condition.

Note3: The result reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long term stability of the instrument.

Note4: The result shows in this calibration certificate relate only to the item calibrated, and the result only applies to the calibration item as received.

Checked and Approved By:

Calibrated By:

 ω

Company Chop:

Warren Yeung

WM Ling

Certificate Issue Date: 12 October 2021

CT-BEG-03

*** End of Certificate ***

1. The certificate shall not be reproduced except in full, without written approval of Cal Lab Calibration

2. The certificate is issued subject to the latest Terms and Conditions, available at our web site

CC0042110

Page 1 of 1



Cal Lab Limited 校正實驗室有限公司

Room 2103, Technology Plaza, 29-35 Sha Tsui Road, Tsuen Wan, NT, Hong Kong

Tel: +852 25680106 Email: info@callab.com.hk Fax: +852 30116194 Website: www.callab.com.hk



Calibration Certificate No.: CC0052110

Customer Information

Customer: AECOM Asia Company Limited

Address: 8/F, Tower 2, Grand Central Plaza, 138 Shatin Rural Committee Road, Shatin, N.T. HK

Equipment Identification

Equipment Description Manufacturer Model No. Serial No. Assigned equipment No.

Hydrogen Sulfide Analyzer ARIZONA INSTRUMENT LLC Jerome® 631X 1914 N/A

Certificate Information

Date of Receipt: 8 October 2021 Calibration Condition: 24.3°C, 51%RH, 1000hPa

Date of Calibration: 11 October 2021 Adjustment: N/A

Due Date of Calibration: - Appearance: Good

Calibration Procedure: BS EN 60079-29-2:2015 Remark: N/A

Reference Equipment Identification

Equipment DescriptionModelSerial No.Expiration DateFormaldehydePGM-6208M01C02240123 October 2021

Result of Calibration

Indication

Cas	Reference	Measured	Error (9/)	Uncertainty	Technical	Technical
Gas	Setting (ppm)	Reading (ppm)	Error (%)	(%FS)	Requirement	Reference Doc.
Hydrogen Sulfide	0.0	0.00	N/A	N/A	N/A	N/A
Hydrogen Sulfide	0.2	0.24	20.0	6.6	± 5 ppm	JJG695-2003
Hydrogen Sulfide	0.5	0.55	10.0	6.6	± 5 ppm	JJG695-2003
Hydrogen Sulfide	1.0	1.08	8.0	6.6	+ 5 ppm	IIG695-2003

Repeatability

Repeatability	The second secon			
Gas	Reference Setting	RSD (%)	Technical	Technical Reference
GdS	(ppm)	N3D (70)	Requirement	Doc.
Hydrogen Sulfide	1.0	1.4	≤ 2.0 %	JJG695-2003

Response Time

Gas	Reference Setting (ppm)	Response Time (s)	Technical Requirement	Technical Reference Doc.
Hydrogen Sulfide	1.0	27	≤ 30 s	JJG695-2003

CT-GAS-01

Note1: The estimated expanded uncertainties have been calculated in "Evaluation and expression of uncertainty in measurement" and give an internal estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.

Note2: The standard (s) and instrument used in the calibration are traceable to national or international recognized standard and are calibrated on a schedule to maintain the accuracy and good condition.

Note3: The result reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long term stability of the

Note4: The result shows in this calibration certificate relate only to the item calibrated, and the result only applies to the calibration item as received.

Calibrated By:

Checked and Approved By:

Company Chop:

を 有限公司 の **

Narren Yeung/

WM Ling

Certificate Issue Date: 12 October 2021

CT-BEG-03

*** End of Certificate ***

1. The certificate shall not be reproduced except in full, without written approval of Cal Lab Calibration

2. The certificate is issued subject to the latest Terms and Conditions, available at our web site

CC0052110

Page 1 of 1



ALS Technichem (HK) Pty Ltd

11/F, Chung Shun Knitting Centre 1-3 Wing Yip Street, Kwai Chung N.T., Hong Kong

T: +852 2610 1044 | F: +852 2610 2021

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT:

MR MIKE SHEK

CLIENT:

AECOM ASIA COMPANY LIMITED

ADDRESS:

13/F, TOWER 2, GRAND CENTRAL PLAZA,

138 SHATIN RURAL COMMITTEE ROAD,

SHATIN, HONG KONG

WORK ORDER:

HK2140553

SUB- BATCH:

0

LABORATORY:

HONG KONG

DATE RECEIVED:

07-Oct-2021

DATE OF ISSUE:

08-Oct-2021

SPECIFIC COMMENTS

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client. The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.

The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.

The "Next Calibration Date" is recommended according to best practice principle as practised by the laboratory or quoted from relevant international standards.

The validity of equipment/ meter performance only applies to the result(s) stated in the report.

Equipment Type:

Multifunctional Meter

Service Nature:

Performance Check

Scope:

Conductivity, Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature

Brand Name/ Model No.:

[YSI]/ [6820 V2]

Serial No./ Equipment No.:

[12A101545]/[W.026.35]

Date of Calibration:

07-October-2021

GENERAL COMMENTS

This is the Final Report and supersedes any preliminary report with this batch number.

Ms. Lin Wai Yu, Iris

Assistant Manager - Inorganic

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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER:

HK2140553

SUB- BATCH:

0

DATE OF ISSUE:

08-Oct-2021

CLIENT:

AECOM ASIA COMPANY LIMITED

Equipment Type:

Multifunctional Meter

Brand Name/ Model No.:

[YSI]/ [6820 V2]

Serial No./

[12A101545]/[W.026.35]

Equipment No.: Date of Calibration:

07-October-2021

Date of Next Calibration:

07-January-2022

PARAMETERS:

Conductivity

Method Ref: APHA (21st edition), 2510B

Expected Reading (µS/cm)	Displayed Reading (μS/cm)	Tolerance (%)
146.9	148	+0.7
6667	6624	-0.6
12890	13098	+1.6
58670	60116	+2.5
	Tolerance Limit (%)	±10.0

Dissolved Oxygen

Method Ref: APHA (21st edition), 45000: G

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
3.50	3.58	+0.08
5.90	5.91	+0.01
7.60	7.65	+0.05
	Tolerance Limit (mg/L)	±0.20

pH Value

Method Ref: APHA (21st edition), 4500H: B

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	4.13	+0.13
7.0	6.99	-0.01
10.0	10.01	+0.01
	Tolerance Limit (pH unit)	±0.20

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

Ms. Lin Wai Yu, Iris

Assistant Manager - Inorganic

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER:

HK2140553

SUB- BATCH:

0

DATE OF ISSUE:

08-Oct-2021

CLIENT:

AECOM ASIA COMPANY LIMITED

Equipment Type:

Multifunctional Meter

Brand Name/

[YSI]/ [6820 V2]

Model No.: Serial No./ [131]/ [0020 72]

Equipment No.:

Date of Calibration:

[12A101545]/ [W.026.35]

07-October-2021 Date of Next Calibration:

07-January-2022

PARAMETERS:

Turbidity

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

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.0	••
4	4.2	+5.0
10	9.7	-3.0
20	20.6	+3.0
50	48.7	-2.6
100	101.7	+1.7
	Tolerance Limit (%)	±10.0

Salinity

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

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.00) 22
10	9.81	-1.9
20	19.79	-1.1
30	28.41	-5.3
	Tolerance Limit (%)	±10.0

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

Ms. Lin Wai Yu, Iris

Assistant Manager - Inorganic

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER:

HK2140553

SUB- BATCH:

0

DATE OF ISSUE:

08-Oct-2021

CLIENT:

AECOM ASIA COMPANY LIMITED

Equipment Type:

Multifunctional Meter

Brand Name/ Model No.:

[YSI]/ [6820 V2]

Serial No./

[12A101545]/ [W.026.35]

Equipment No.: Date of Calibration:

07-October-2021

Date of Next Calibration:

07-January-2022

PARAMETERS:

Temperature

Method Ref: Section 6 of International Accreditation New Zealand Technical

Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
13.0	13.16	+0.2
20.0	19.62	-0.4
38.5	38.55	+0.0
	Tolerance Limit (°C)	±2.0

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

/ ; 5

Ms. Lin Wai Yu, Iris

Assistant Manager - Inorganic

APPENDIX C
MONITORING RESULT FOR
H₂S MEASUREMENT

Appendix C - Odour Monitoring Results for Site boundary and ASRs

					Temperature,		Wind	Relative	H₂S Concentration						
		5.4.	T B	Measurement		Wind Speed,			Measruement, ppm						
Round	Location	Date	Time Period	Time	°C	m/s	Direction	Humidity, %	1st	2nd	3rd	4th	5th	Average	Overall Average
1		8-Dec-21	09:00 to 12:00	09:54	21.7	0.91	E	41.9	0.008	0.008	0.009	0.009	0.009	0.009	
2		8-Dec-21	12:00 to 15:00	12:45	25.4	1.07	Е	41.0	0.009	0.009	0.009	0.009	0.010	0.009	
3		8-Dec-21	15:00 to 18:00	15:45	24.7	0.49	W	51.3	0.015	0.013	0.012	0.011	0.013	0.013	
4	SB1	8-Dec-21	18:00 to 21:00	18:45	19.9	0.47	W	62.9	0.008	0.008	0.007	0.007	0.008	0.008	0.0076
5	ODI	8-Dec-21	21:00 to 00:00	21:45	19.0	0.35	S	71.4	0.007	0.007	0.006	0.006	0.006	0.006	0.0070
6		9-Dec-21	00:00 to 03:00	00:45	18.6	0.32	SE	79.0	0.006	0.006	0.006	0.005	0.006	0.006	
7		9-Dec-21	03:00 to 06:00	03:45	18.3	0.25	SE	78.2	0.005	0.005	0.006	0.006	0.006	0.006	
8		9-Dec-21	06:00 to 09:00	06:45	18.9	0.20	Е	73.2	0.005	0.005	0.005	0.004	0.004	0.005	
1		8-Dec-21	09:00 to 12:00	09:20	20.7	0.37	N	40.2	0.008	0.008	0.008	0.008	0.008	0.008	
2		8-Dec-21	12:00 to 15:00	12:20	25.5	1.63	E	39.5	0.009	0.001	0.009	0.008	0.007	0.007	
3		8-Dec-21	15:00 to 18:00	15:20	23.8	0.30	W	39.0	0.008	0.008	0.007	0.009	0.009	0.008	
4	ASR1a	8-Dec-21	18:00 to 21:00	18:20	20.8	0.88	W	58.6	0.007	0.007	0.008	0.009	0.009	0.008	0.0064
5	ASKIA	8-Dec-21	21:00 to 00:00	21:20	19.0	0.32	S	70.9	0.006	0.006	0.005	0.005	0.005	0.005	0.0064
6		9-Dec-21	00:00 to 03:00	00:20	18.2	0.39	SE	76.4	0.006	0.005	0.005	0.005	0.005	0.005	
7		9-Dec-21	03:00 to 06:00	03:20	17.0	0.35	SE	76.8	0.005	0.005	0.005	0.006	0.005	0.005	
8		9-Dec-21	06:00 to 09:00	06:20	16.2	0.33	Е	76.6	0.004	0.004	0.004	0.004	0.005	0.004	
1		8-Dec-21	09:00 to 12:00	09:00	22.7	0.49	NE	40.7	0.010	0.010	0.008	0.008	0.011	0.009	
2		8-Dec-21	12:00 to 15:00	12:00	25.2	1.48	Е	41.0	0.009	0.008	0.008	0.008	0.008	0.008	
3	1	8-Dec-21	15:00 to 18:00	15:00	23.3	1.30	W	41.1	0.007	0.008	0.007	0.008	0.008	0.008	
4	ASR1b	8-Dec-21	18:00 to 21:00	18:00	20.1	0.34	W	61.9	0.010	0.011	0.011	0.010	0.011	0.011	0.0069
5	ASKID	8-Dec-21	21:00 to 00:00	21:00	19.5	0.30	S	70.9	0.006	0.005	0.005	0.005	0.005	0.005	0.0069
6	1	9-Dec-21	00:00 to 03:00	00:00	19.3	0.26	SE	72.8	0.004	0.004	0.003	0.003	0.003	0.003	
7	1	9-Dec-21	03:00 to 06:00	03:00	17.7	0.34	SE	75.0	0.006	0.005	0.005	0.005	0.005	0.005	
8	1	9-Dec-21	06:00 to 09:00	06:00	16.8	0.48	E	74.5	0.005	0.005	0.005	0.005	0.006	0.005	1

Appendix C - Odour Monitoring Results for Exhaust of Deodourisation Unit

						Averege		Average of							H₂S Conc	entration						
Round	Location	Date	Time Period	Measurement	Temperature,	Average Temperature,	Wind Speed,	Average of Wind Speed,	Wind	Relative				Measruen	uement, ppm							
Round	Location	Time °C reinberature, m/s will	m/s	Direction	Humidity, %	1st	2nd	3rd	4th	5th	Average	Overall Average	Expressed as µg/s									
1		8-Dec-21	09:00 to 12:00	10:22	23.1		15.70		E	50.1	0.004	0.004	0.004	0.004	0.004	0.004						
2		8-Dec-21	12:00 to 15:00	13:30	25.5		15.90	15.90	E	37.7	0.005	0.005	0.005	0.004	0.004	0.005	7 '					
3		8-Dec-21	15:00 to 18:00	14:20	14:20 23.9		14.59		W	51.5	0.006	0.005	0.007	0.006	0.006	0.006						
4	OD1	8-Dec-21	18:00 to 21:00	19:05	20.6	21.6	15.01	15.34	W	58.7	0.008	0.008	0.009	0.009	0.009	0.009	0.0048	72.7				
5	ODI	8-Dec-21	21:00 to 00:00	22:10	20.4		15.21		S	80.4	0.005	0.005	0.004	0.004	0.004	0.004						
6		9-Dec-21	00:00 to 03:00	01:10	20.0		15.44		SE	97.1	0.003	0.004	0.004	0.003	0.003	0.003						
7		9-Dec-21	03:00 to 06:00	04:10	19.8		15.34			SE	82.6	0.004	0.004	0.004	0.005	0.005	0.004					
8		9-Dec-21	06:00 to 09:00	07:10	19.7		15.50		E	67.7	0.003	0.003	0.003	0.003	0.003	0.003						
1		8-Dec-21	09:00 to 12:00	10:45	21.6		10.65		E	54.7	0.006	0.007	0.008	0.008	0.009	0.008						
2		8-Dec-21	12:00 to 15:00	13:10	24.2	i l	10.87 10.77		Е	39.2	0.008	0.008	0.008	0.008	0.008	0.008						
3		8-Dec-21	15:00 to 18:00	14:40	24.3			10.77	W	50.9	0.019	0.018	0.019	0.020	0.019	0.019						
4	OD2	8-Dec-21	18:00 to 21:00	19:25	19.7	20.4	10.44	10.67	W	93.9	0.012	0.012	0.013	0.012	0.012	0.012	0.0102	108.3				
5	ODZ	8-Dec-21	21:00 to 00:00	22:30	19.1	20.4	10.89 10.71 10.44	10.07	S	96.2	0.009	0.009	0.009	0.008	0.008	0.009	0.0102	100.0				
6		9-Dec-21	00:00 to 03:00	01:30	18.8	j			SE	98.0	0.008	0.009	0.008	0.009	0.008	0.008						
7		9-Dec-21	03:00 to 06:00	04:30	18.0]			SE	97.4	0.008	0.008	0.009	0.008	0.009	0.008						
8		9-Dec-21	06:00 to 09:00	07:30	17.4		10.62		E	94.7	0.008	0.009	0.010	0.011	0.010	0.010	1					

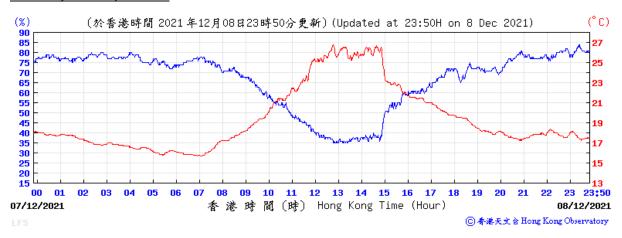
APPENDIX D WEATHER INFORMATION

Appendix D

Extracted meteorological data from the Hong Kong Observatory's Lau Fu Shan Weather Station

08 December 2021

Humidity & Temperature



Wind Direction

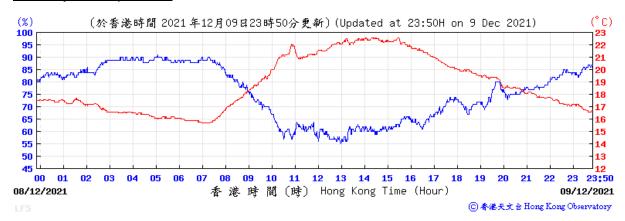


Wind Speed

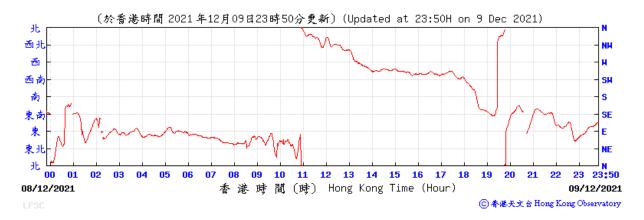


09 December 2021

Humidity & Temperature



Wind Direction



Wind Speed



APPENDIX E LOGSHEET OF ODOUR PATROL

Contract No. DC/2013/10

Design, Build and Operate San Wai Sewage Treatment Works

Monthly Odour Patrol Record Log Sheet (Operational Phase)

Date: 08 December 2021 Temperature: 23.5°C

Checkpoint ID	Time	Weather Condition	Wind Direction	Odour Intensity	Odour Characteristics	Possible Odour Source	Direction from Source	Duration of Odour
1	09:40	Sunny	Е	0	N/A	N/A	N/A	N/A
2	09:44	Sunny	Е	1	Vehicle exhaust	Traffic Road	Down-wind	Intermittent
3	09:49	Sunny	Е	0	N/A	N/A	N/A	N/A
4	09:54	Sunny	Е	1	Biogas	Ultra-violet irradiation disinfection system	Down-wind	Intermittent
5	10:11	Sunny	E	0	N/A	N/A	N/A	N/A
6	10:15	Sunny	E	0	N/A	N/A	N/A	N/A

Remark for Odour Intensity:-

0: Not detectable (No odour perceived or an odour so weak that it cannot be easily characterised or described)

1: Slight (Slight identifiable odour)
2: Moderate (Moderate identifiable odour)
3: Strong (Strong identifiable odour)
4: Extreme (Extreme severe odour)

Contract No. DC/2013/10

Design, Build and Operate San Wai Sewage Treatment Works

Monthly Odour Patrol Record Log Sheet (Operational Phase)

Date: 08 December 2021 Temperature: 36.5°C

Checkpoint ID	Time	Weather Condition	Wind Direction	Odour Intensity	Odour Characteristics	Possible Odour Source	Direction from Source	Duration of Odour
1	15:45	Sunny	W	0	N/A	N/A	N/A	N/A
2	15:55	Sunny	W	0	N/A	N/A	N/A	N/A
3	15:59	Sunny	W	0	N/A	N/A	N/A	N/A
4	16:03	Sunny	W	1	Biogas	Ultra-violet irradiation disinfection system	Down-wind	Intermittent
5	16:07	Sunny	W	1	Vehicle exhaust	Traffic Road	Down-wind	Intermittent
6	16:11	Sunny	W	0	N/A	N/A	N/A	N/A

Remark for Odour Intensity:-

0: Not detectable (No odour perceived or an odour so weak that it cannot be easily characterised or described)

1: Slight (Slight identifiable odour)
2: Moderate (Moderate identifiable odour)
3: Strong (Strong identifiable odour)
4: Extreme (Extreme severe odour)

APPENDIX F
MARINE WATER QUALITY
MONITORING RESULTS

Operational Phase Marine Water Quality Monitoring Results on 15 December 2021

Round	Location	Weather Condition	Sea Condition*	Sampling Time	Water Depth (m)	Sampling Depth (m)	(°	C)	pł		Salir (pp	ot)	(*	turation %)	Dissi Oxy (mg		Turt (N		Suspended Solids (mg/L)	Cadmium (µg/L)	Copper (μg/L)	Nickel (μg/L)	Lead (μg/L)	Mercury (μg/L)	Chromium (µg/L)	Zinc (μg/L)	Total Inorganic Nitrogen, TIN (mg/L)	Ammonia- Nitrogen, NH ₃ -N (mg/L)	Biochemical Oxygen Demand, BOD ₅ (mg/L)	E. coli (cfu/100 mL)	PAHs (μg/L)	PCBs (μg/L)
		Condition	Condition	Time	Depth (m)	Depth (m)		Average		Average		Average	Value			Average		Average	Value Average		Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value
R1	W1	Fine	Moderate	5:19	14.0	Surface 1.0 Middle 7.0 Bottom 13.0	21.2	21.2	7.44 7.38 7.39	7.4	34.2 35.0 35.0	34.7	112.5 110.0 106.0	109.5	8.2 8.0 7.7	7.9	2.7 4.6 4.7	4.0	11 13 11.0	<0.5 <0.5 <0.5	2 2 2	<1 <1 <1	<1 <1 <1	<0.5 <0.5 <0.5	<1 <1 <1	33 36 45	1.50 0.26 0.33	0.05 0.06 0.10	<2 <2 <2	17 19 23	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
R2	W1	Fine	Moderate	7:20	13.6	Surface 1.0 Middle 6.8 Bottom 12.6	21.2	21.2	7.47 7.43 7.44	7.4	34.1 34.8 34.9	34.6	112.0 111.8 108.0	110.6	8.1 8.1 7.8	8.0	4.5 4.5 4.5	4.5	5 6 5.7	<0.5 <0.5 <0.5	1 2	<1 <1	<1 <1 <1	<0.5 <0.5 <0.5	<1 <1 <1	27 30 30	0.23 0.26 0.18	0.05 0.08 0.05	<2 <2 <2	14 13 18	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
R3	W1	Fine	Moderate	9:19	13.4	Surface 1.0 Middle 6.7	21.4 21.2	21.2	7.49 7.44	7.5	34.1 35.0	34.7	112.5 109.7	109.8	8.2 8.0	8.0	4.4	4.3	9 10.7	<0.5 <0.5	1 2	1 1	<1 <1	<0.5 <0.5	<1 <1	38 38	0.25 0.23	0.08	<2 <2	20 20	<0.1 <0.1	<0.02 <0.02
R4	W1	Cloudy	Moderate	11:17	13.2	Bottom 12.4 Surface 1.0 Middle 6.6	21.3	21.2	7.44 7.50 7.45	7.5	35.0 34.2 34.9	34.7	107.3 111.3 111.1	109.8	7.8 8.1 8.1	8.0	3.6 3.8	3.7	11 4 6 7.7	<0.5 <0.5 <0.5	1 2	1 <1	<1 <1 <1	<0.5 <0.5 <0.5	<1 <1 <1	32 27 30	0.24 0.30 0.40	0.06 0.07 0.05	<2 <2 <2	22 44 48	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
R5	W1	Cloudy	Moderate	13:16	13.6	Bottom 12.2 Surface 1.0	21.2 21.4 21.2	21.2	7.46 7.49 7.45	7.5	34.9 34.2 34.8	34.6	107.0 113.0 112.3	111.4	7.8 8.2 8.2	8.1	3.7 4.4 4.5	4.5	13 37 15 20.7	<0.5 <0.5 <0.5	1	<1 <1	<1 <1 <1	<0.5 <0.5 <0.5	<1 <1 <1	28 31 29	0.37 0.34 0.33	0.15 0.05 0.07	<2 <2 <2	53 40 36	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
R6	W1	Fine	Moderate	15:17		Bottom 12.6 Surface 1.0	21.2 21.4		7.46 7.48		34.9 34.2		108.8		7.9 8.2		4.5 4.6		10	<0.5 <0.5	1 2	<1 1	<1 <1	<0.5 <0.5	<1 <1	27 33	0.23 0.47	0.05 0.14	<2 <2	44 32	<0.1	<0.02
R1	W2	Fine	Moderate	5:31	13.8	Middle 6.9 Bottom 12.8 Surface 1.0		21.2	7.45 7.46 7.45	7.5	34.8 34.8 34.2	34.6	110.8 108.9	111.0	8.0 7.9 8.2	8.0	4.6 4.7 4.5	4.6	14 11.3 9	<0.5 <0.5	1 2	1 <1 <1	<1 <1 <1	<0.5 <0.5	<1 <1 <1	25 41 33	0.34 0.68 0.22	0.14 0.21 0.05	<2 <2 <2	34 41 16	<0.1 <0.1	<0.02 <0.02 <0.02
R2	W2	Fine	Moderate	7:31	16.1	Middle 8.1 Bottom 15.1 Surface 1.0	21.2 21.1	21.2	7.39 7.40	7.4	35.0 35.0 34.1	34.7	108.4 105.6	109.0	7.9 7.7 8.1	7.9	4.4 4.4	4.4	12 12.7 11	<0.5 <0.5 <0.5	1 1	1 <1 <1	<1 <1 <1	<0.5 <0.5 <0.5	<1 <1 <1	28 26 29	0.26 0.24 0.23	0.06 0.07 0.05	<2 <2 <2	16 18	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
					16.0	Middle 8.0 Bottom 15.0	21.2 21.2	21.2	7.43 7.44	7.4	34.8 34.9	34.6	110.5 107.3	109.7	8.0 7.8	8.0	4.4 4.4	4.4	9 10.3 15	<0.5 <0.5	1	<1 <1	<1 <1	<0.5 <0.5	<1 <1	31 27	0.26 0.26	0.06 0.05	<2 <2	11 12	<0.1 <0.1	<0.02 <0.02
R3	W2	Fine	Moderate	9:30	15.6	Bottom 14.6	21.2 21.2	21.2	7.49 7.44 7.44	7.5	34.1 35.0 35.0	34.7	112.4 108.9 106.4	109.2	8.2 7.9 7.7	7.9	4.4 4.5 4.5	4.5	7 9 10.0 14	<0.5 <0.5 <0.5	2 1 1	<1 <1 <1	<1 <1 <1	<0.5 <0.5 <0.5	<1 <1 <1	34 32 27	0.25 0.28 0.24	0.06 0.08 0.07	<2 <2 <2	43 33 36	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
R4	W2	Cloudy	Moderate	11:31	15.4	Surface 1.0 Middle 7.7 Bottom 14.4		21.2	7.49 7.44 7.45	7.5	34.1 34.9 34.9	34.6	111.4 109.7 105.2	108.8	8.1 8.0 7.6	7.9	4.1 4.4 4.3	4.3	8 6 18.3	<0.5 <0.5 <0.5	1 1 1	<1 <1 <1	<1 <1 <1	<0.5 <0.5 <0.5	<1 <1 <1	28 25 32	0.30 1.30 0.26	0.14 0.04 0.08	<2 <2 <2	48 49 44	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
R5	W2	Cloudy	Moderate	13:27	15.8	Surface 1.0 Middle 7.9 Bottom 14.8	21.2	21.2	7.48 7.45 7.46	7.5	34.2 34.9 34.9	34.7	112.3 110.2 108.1	110.2	8.1 8.0 7.8	8.0	4.5 4.5 4.9	4.6	11 7 8.0	<0.5 <0.5 <0.5	1 <1	<1 <1	<1 <1 <1	<0.5 <0.5 <0.5	<1 <1 <1	30 22 24	0.40 0.75 0.27	0.15 0.13 0.10	<2 <2 <2 <2	45 37 43	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
R6	W2	Fine	Moderate	15:28	15.9	Surface 1.0 Middle 8.0	21.4 21.2	21.2	7.49 7.45	7.5	34.2 34.8	34.6	115.5 112.0	112.5	8.4 8.1	8.2	4.4 4.5	4.5	14 12 12.7	<0.5 <0.5	3	2	1 <1	<0.5 <0.5	<1 <1	41 23	0.43 0.37	0.12 0.12	<2 <2	43 53	<0.1 <0.1	<0.02 <0.02
R1	W3	Fine	Moderate	6:38	8.0	Bottom 14.9 Surface 1.0 Middle 4.0	21.3	21.2	7.47 7.46 7.42	7.4	34.7 34.2 34.8	34.6	110.0 107.5 105.0	105.6	7.8 7.6	7.7	3.8 4.5	4.3	12 11 39 31.3	<0.5 <0.5 <0.5	2 2	<1 <1 <1	<1 <1 <1	<0.5 <0.5 <0.5	<1 <1 <1	28 48 29	0.27 2.60 0.25	0.11 0.07 0.06	<2 <2 <2	54 28 24	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
R2	W3	Fine	Moderate	8:40	8.0	Bottom 7.0 Surface 1.0 Middle 4.0	21.4	21.2	7.42 7.47 7.44	7.5	34.9 34.1 34.7	34.6	104.2 110.0 108.9	108.6	7.6 8.0 7.9	7.9	4.6 4.4 4.5	4.5	20 6 10.7	<0.5 <0.5 <0.5	1 2 <1	<1 1 1	<1 <1 <1	<0.5 <0.5 <0.5	<1 <1 <1	33 32 26	0.27 0.23 0.23	0.06 0.06 0.05	<2 <2 <2	29 16 18	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
R3	W3	Fine	Moderate	10:41	8.0	Bottom 7.0	21.2	21.2	7.44 7.49 7.44	7.5	35.0 34.1 34.8	34.6	106.8 110.7 107.2	107.8	7.7 8.0 7.8	7.8	4.5 4.5 4.4	4.4	6 20 10 15.0	<0.5 <0.5 <0.5	2	<1 <1 <1	<1 <1 <1	<0.5 <0.5 <0.5	<1 <1 <1	42 32 33	0.24 0.26 0.22	0.05 0.09 0.05	<2 <2 <2	17 15 18	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
R4	W3	Cloudy	Moderate	12:41		Bottom 7.0 Surface 1.0	21.2 21.3		7.44 7.48		35.0 34.3		105.4 111.7		7.7 8.1		4.4 4.4		15 56	<0.5 <0.5	1	<1 <1	<1 <1	<0.5 <0.5	<1 <1	28 29	0.22 5.00	0.04 0.13	<2 <2	18 40	<0.1 <0.1	<0.02
R5	W3	Cloudy	Moderate	14:39	8.1		21.2 21.4	21.2	7.45 7.46 7.49	7.5	34.7 34.9 34.2	34.6	109.1 108.4 112.1	109.7	7.9 7.9 8.1	8.0	4.5 4.8 4.5	4.6	14 30.3 21 6	<0.5 <0.5 <0.5	1 1	<1 <1 <1	<1 <1 <1	<0.5 <0.5 <0.5	<1 <1 <1	35 24 30	0.25 0.29 0.70	0.05 0.07 0.14	<2 <2 <2	33 36 43	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
R6	W3	Fine	Moderate	16:37	8.0	Middle 4.0 Bottom 7.0 Surface 1.0	21.2	21.2	7.45 7.46 7.49	7.5	34.8 34.9	34.6	111.5 108.8	110.8	8.1 7.9 8.1	8.0	4.5 4.6	4.5	12 9.0 9	<0.5 <0.5	2 <1	1 <1 <1	<1 <1 <1	<0.5 <0.5 <0.5	<1 <1 <1	25 20 22	0.36 0.29 0.31	0.12 0.13 0.10	<2 <2 <2	49 47 51	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
					8.2	Middle 4.1 Bottom 7.2	21.2 21.2	21.2	7.45 7.45	7.5	34.7 34.9	34.6	110.7 108.5	110.2	8.0 7.9	8.0	4.4	4.5	7 9.7 9	<0.5 <0.5	1	1	<1 <1	<0.5 <0.5	<1 <1	23 27	0.47 0.26	0.14 0.07	<2 <2	52 46	<0.1 <0.1	<0.02 <0.02
R1	W4	Fine	Moderate	5:42	20.3	Surface 1.0 Middle 10.2 Bottom 19.3	21.2 21.2	21.2	7.46 7.40 7.41	7.4	34.2 35.0 35.0	34.7	110.7 110.2 104.3	108.4	8.0 8.0 7.6	7.9	4.2 4.3 4.1	4.2	12 15 12.0 9	<0.5 <0.5 <0.5	1 2	<1 <1	<1 <1 <1	<0.5 <0.5 <0.5	<1 <1 <1	40 29 37	0.27 0.26 0.27	0.07 0.07 0.07	<2 <2 <2	33 33 34	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
R2	W4	Fine	Moderate	7:41	20.1	Middle 10.1	21.4 21.2 21.2	21.2	7.48 7.43 7.45	7.5	34.1 34.8 34.9	34.6	113.4 111.6 108.6	111.2	8.2 8.1 7.9	8.1	3.5 3.5 3.7	3.6	11 13 12.3 13	<0.5 <0.5 <0.5	1 1 1	2 <1 <1	<1 <1 <1	<0.5 <0.5 <0.5	<1 <1 <1	31 27 32	0.25 0.25 0.25	0.06 0.06 0.05	<2 <2 <2	9 10 9	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
R3	W4	Fine	Moderate	9:42	20.0	Surface 1.0 Middle 10.0 Bottom 19.0	21.2	21.2	7.49 7.43 7.44	7.5	34.1 35.0 35.0	34.7	112.2 107.8 105.3	108.4	8.1 7.8 7.6	7.9	4.5 4.6 4.6	4.6	6 6 8.3 13	<0.5 <0.5 <0.5	1 1 1	<1 <1 <1	<1 <1 <1	<0.5 <0.5 <0.5	<1 <1 <1	31 26 33	0.28 0.20 0.29	0.07 0.05 0.09	<2 <2 <2	29 29 29	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
R4	W4	Cloudy	Moderate	11:42	20.2	Surface 1.0 Middle 10.1 Bottom 19.2	21.3 21.2	21.2	7.49 7.45 7.45	7.5	34.2 34.8 34.9	34.6	110.5 110.2 107.3	109.3	8.0 8.0 7.8	7.9	3.8 4.2 4.2	4.1	15 21 15.3 10	<0.5 <0.5 <0.5	<1 1	<1 3 <1	<1 1 <1	<0.5 <0.5 <0.5	<1 <1 <1	28 34 27	0.20 0.35 0.38	0.03 0.08 0.14	<2 <2 <2	42 38 46	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
R5	W4	Cloudy	Moderate	13:39	20.1	Surface 1.0 Middle 10.1	21.4 21.2	21.2	7.48 7.44	7.5	34.2 34.9	34.7	111.2 109.4	108.8	8.1 7.9	7.9	4.6 4.9	4.8	8 7 7.3	<0.5 <0.5	1 2	1 <1	<1 <1	<0.5 <0.5	<1 <1	22 19	1.20 0.74	0.17 0.11	<2 <2	47 47	<0.1 <0.1	<0.02 <0.02
R6	W4	Fine	Moderate	15:40	20.5		21.4 21.2	21.2	7.45 7.49 7.45	7.5	34.9 34.2 34.8	34.6	105.7 113.1 110.2	110.2	7.7 8.2 8.0	8.0	4.8 4.3 4.4	4.4	7 12 12 12.3	<0.5 <0.5 <0.5	3 3	2	<1 <1 <1	<0.5 <0.5 <0.5	<1 <1 <1	30 36 34	1.30 0.28 0.24	0.13 0.10 0.07	<2 <2 <2	44 43 50	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
L					1	Bottom 19.5	21.2		7.45		34.9		107.4		7.8		4.6		13	<0.5	2	1	<1	<0.5	<1	31	0.30	0.06	<2	51	<0.1	<0.02

Operational Phase Marine Water Quality Monitoring Results on 15 December 2021

Round	Location	Weather Condition	Sea Condition*	Sampling Time	Water Depth (m)	Sampling Depth (m)	Tempera (°C)		pН	Sali (pr			turation %)	Disso Oxyg (mg	en	Turb (NT		Suspended Solids (mg/L)	Cadmium (µg/L)	Copper (µg/L)	Nickel (μg/L)	Lead (μg/L)	Mercury (μg/L)	Chromium (μg/L)	Zinc (μg/L)	Total Inorganic Nitrogen, TIN (mg/L)	Ammonia- Nitrogen, NH ₃ -N (mg/L)	Biochemical Oxygen Demand, BOD ₅ (mg/L)	E. coli (cfu/100 mL)	PAHs (μg/L)	PCBs (μg/L)
		Condition	Condition	Time	Depth (m)	Depth (m)	Value A	verage Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value Average	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value
R1	W5	Fine	Moderate	5:02	18.1	Surface 1.0 Middle 9.1		7.42 21.2 7.37	7.4	34.2 35.0	34.8	108.1 101.2	103.4	7.8 7.3	7.5	2.6 4.5	3.9	9 11 10.7	<0.5 <0.5	1	<1 <1	<1 <1	<0.5 <0.5	<1 <1	28 34	1.40 0.26	0.06 0.07	<2 <2	46 48	<0.1 <0.1	<0.02 <0.02
R2	W5	Fine	Moderate	7:02	17.6	Bottom 17.1 Surface 1.0 Middle 8.8	21.2 21.3 21.2	7.38 7.47 21.2 7.42		35.1 34.1 34.9	34.7	100.8 109.5 108.4	107.6	7.3 7.9 7.9	7.8	4.5 3.9 4.5	4.3	9 8 9.3	<0.5 <0.5 <0.5	2 2 2	4 <1 1	<1 <1 <1	<0.5 <0.5 <0.5	<1 <1 <1	29 34 33	0.33 0.21 0.26	0.05 0.05 0.09	<2 <2 <2	49 12 11	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
R3	W5	Fine	Moderate	9:01	17.0	Bottom 16.6 Surface 1.0	21.2	7.43 7.49		34.9 34.1	34.7	104.8	107.0	7.6 8.2	7.0	4.4	4.5	11 13	<0.5 <0.5	1 2	<1 <1	<1 <1	<0.5 <0.5	<1	31 32	0.23 0.25	0.09	<2	12	<0.1 <0.1	<0.02 <0.02
103	****	i iiie	Woodiate	3.01	17.6	Middle 8.8 Bottom 16.6	21.2	21.2 7.43		34.9 35.0	34.7	109.9	109.6	8.0 7.7	7.9	4.4 4.6	4.5	12 12.0 11	<0.5 <0.5	2	<1 <1	<1 <1	<0.5 <0.5	<1	32 29	0.27 0.25	0.09	<2 <2	61 62	<0.1 <0.1	<0.02 <0.02 <0.02
R4	W5	Cloudy	Moderate	11:01	18.1	Surface 1.0 Middle 9.1	21.2	7.50 21.2 7.46	7.5	34.2 34.9	34.7	110.0 105.4	106.4	8.0 7.6	7.7	3.9 5.3	4.8	11 14 18.3	<0.5 <0.5	1 <1	<1 <1	<1 <1	<0.5 <0.5	<1 <1	30 29	0.32 1.50	0.05 0.15	<2 <2	37 38	<0.1 <0.1	<0.02 <0.02
R5	W5	Cloudy	Moderate	13:01	17.6	Bottom 17.1 Surface 1.0 Middle 8.8	21.4	7.46 7.48 21.2 7.44		35.0 34.2 34.9	34.7	103.9 111.6 110.4	109.7	7.5 8.1 8.0	8.0	5.2 4.6 4.5	4.5	30 8 17 14.0	<0.5 <0.5 <0.5	1 2	1 <1	<1 <1 <1	<0.5 <0.5 <0.5	<1 <1 <1	31 22 25	0.32 0.26 0.37	0.05 0.06 0.08	<2 <2 <2	42 54 55	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
R6	W5	Fine	Moderate	15:01	11.0	Bottom 16.6 Surface 1.0	21.2	7.46		34.9	04.7	107.2	100.7	7.8 8.1	0.0	4.5		17	<0.5 <0.5	2	<1 2	<1 2	<0.5	<1	27 59	0.90	0.05	<2	51 40	<0.1	<0.02
					17.6	Middle 8.8 Bottom 16.6	21.2 21.2	21.2 7.45 7.45	7.5	34.7 34.9	34.6	110.1 107.2	109.6	8.0 7.8	8.0	4.6 4.8	4.6	9 9.3 14	<0.5 <0.5	1	1 <1	<1 <1	<0.5 <0.5	<1 <1	26 22	0.39 0.43	0.11 0.12	<2 <2	40 49	<0.1 <0.1	<0.02 <0.02
R1	W6	Fine	Moderate	6:26	9.0	Surface 1.0 Middle 4.5 Bottom 8.0	21.2	21.2 7.47 7.42 7.43		34.1 34.9 34.9	34.7	113.7 111.8 108.5	111.3	8.3 8.1 7.9	8.1	3.2 3.5 3.3	3.3	8 6 9.3	<0.5 <0.5 <0.5	1 1	<1 <1 <1	<1 <1 <1	<0.5 <0.5 <0.5	<1 <1 <1	29 27 30	0.23 0.24 0.25	0.05 0.07 0.06	<2 <2 <2	29 30 31	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
R2	W6	Fine	Moderate	8:25	8.9	Surface 1.0 Middle 4.5	21.4 21.2	7.48 21.2 7.44		34.1 34.7	34.6	113.8 111.5	111.5	8.3 8.1	8.1	4.4 4.5	4.6	22 8 14.3	<0.5 <0.5	1 1	<1 <1	<1 <1	<0.5 <0.5	<1 <1	30 28	0.23 0.27	0.07 0.06	<2 <2	13 12	<0.1 <0.1	<0.02 <0.02
R3	W6	Fine	Moderate	10:28		Surface 1.0	21.2	7.45	<u> </u>	35.0 34.2		109.2 112.6		7.9 8.2		4.8 4.6		7	<0.5 <0.5	1 1	1	<1 <1	<0.5 <0.5	<1	29 30	0.26	0.07	<2 <2	14 51	<0.1 <0.1	<0.02 <0.02
R4	W6	Cloudy	Moderate	12:28	8.6	Middle 4.3 Bottom 7.6 Surface 1.0		21.2 7.44 7.45 7.49		34.8 35.0 34.2	34.6	109.2 108.0	109.9	7.9 7.8 8.3	8.0	4.5 5.1 3.3	4.7	4 5.7 6 34	<0.5 <0.5 <0.5	1 1 2	<1 1 <1	<1 <1 <1	<0.5 <0.5	<1 <1 <1	33 30 32	0.24 0.25 0.69	0.08 0.07 0.11	<2 <2 <2	63 61 47	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
K4	WO	Cloudy	woderate	12.20	8.4		21.2	21.2 7.45	7.5	34.8 34.9	34.6	112.9	113.2	8.2 8.1	8.2	3.6 3.6	3.5	19 23.0 16	<0.5 <0.5	1 1	<1	<1 <1	<0.5 <0.5	<1	33 30	0.26 0.22	0.06	<2	40 45	<0.1 <0.1	<0.02 <0.02 <0.02
R5	W6	Cloudy	Moderate	14:27	8.6	Surface 1.0 Middle 4.3 Bottom 7.6	21.2	7.48 21.2 7.45 7.46		34.2 34.8 34.9	34.6	112.0 110.9 108.8	110.6	8.1 8.1 7.9	8.0	4.1 4.4 4.4	4.3	11 7 8.3 7	<0.5 <0.5 <0.5	1 1 2	<1 <1 <1	<1 <1 <1	<0.5 <0.5 <0.5	<1 <1 <1	24 35 23	0.28 0.59 0.27	0.09 0.13 0.06	<2 <2 <2	40 35 43	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
R6	W6	Fine	Moderate	16:25	8.4		21.4 21.2	7.48 21.2 7.45 7.45	7.5	34.2 34.8 34.9	34.6	114.6 111.8 111.3	112.6	8.3 8.1 8.1	8.2	4.5 4.6 4.6	4.6	15 13 12.3	<0.5 <0.5	2 2	1 1 <1	<1 <1 <1	<0.5 <0.5 <0.5	<1 <1 <1	30 24 19	0.32 0.51 0.30	0.06 0.17 0.10	<2 <2 <2	47 39 49	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
R1	W7	Fine	Moderate	6:04	6.8	Surface 1.0 Middle 3.4	21.3	7.45 21.2 7.42		34.2 34.7	34.6	114.1 110.0	111.0	8.3 8.0	8.0	4.1 4.2	4.1	15 9 10.0	<0.5 <0.5	2	<1 <1	<1 <1	<0.5 <0.5	<1 <1	34 28	0.26 0.26	0.05	<2 <2 <2	18 18	<0.1 <0.1	<0.02 <0.02 <0.02
						Bottom 5.8		7.43		34.9		108.9		7.9		4.1		6	<0.5	1	<1	<1	<0.5	<1	28	0.24	0.06	<2	20	<0.1	<0.02
R2	W7	Fine	Moderate	8:04	6.6	Surface 1.0 Middle 3.3 Bottom 5.6	21.2	7.48 7.46 7.47		34.2 34.6 34.7	34.5	119.2 115.2 114.5	116.3	8.6 8.4 8.3	8.4	3.6 3.6	3.6	15 13 11.7	<0.5 <0.5 <0.5	1 1	<1 <1 <1	<1 <1 <1	<0.5 <0.5 <0.5	<1 <1 <1	33 37 36	0.24 0.21 0.29	0.08 0.04 0.08	<2 <2 <2	21 19 21	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
R3	W7	Fine	Moderate	10:03	6.7	Middle 3.4	21.3 21.2	7.48 21.2 7.45	7.5	34.2 34.8	34.6	114.3 111.3	112.1	8.3 8.1	8.1	3.8 4.2	4.1	7 6.7	<0.5 <0.5	<1 1	<1 <1	<1 <1	<0.5 <0.5	<1 <1	30 30	0.29 0.20	0.09 0.04	<2 <2	47 45	<0.1 <0.1	<0.02 <0.02
R4	W7	Cloudy	Moderate	12:06	6.9	Bottom 5.7 Surface 1.0	21.3	7.46		34.9	34.6	110.7	110.0	8.0 8.1	8.0	4.2 3.5	3.6	6 23 20 18.7	<0.5 <0.5	1	<1	<1	<0.5	<1	38	0.34	0.13	<2 <2	42 54	<0.1	<0.02
R5	W7	Cloudy	Moderate	14:02	0.9	Middle 3.5 Bottom 5.9 Surface 1.0	21.2	21.2 7.45 7.45 7.48		34.7 34.9 34.2	34.0	110.3 107.9	110.0	8.0 7.8 8.4	0.0	3.7 3.6 4.2	3.0	20 18.7 13	<0.5 <0.5 <0.5	2 1	<1 <1 <1	<1 <1 <1	<0.5 <0.5	<1 <1 <1	34 31 22	0.39 0.43 0.40	0.15 0.12 0.12	<2 <2 <2	56 64 42	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
					6.8	Middle 3.4 Bottom 5.8	21.2	21.3 7.45 7.47	7.5	34.7 34.8	34.6	111.7 110.0	112.4	8.1 8.0	8.2	4.3 4.6	4.4	15 11.7 10	<0.5 <0.5	1	1 <1	<1 <1	<0.5 <0.5	<1 <1	21 26	0.34 2.20	0.12 0.10	<2 <2	40 49	<0.1 <0.1	<0.02 <0.02
R6	W7	Fine	Moderate	16:02	6.7	Surface 1.0 Middle 3.4 Bottom 5.7	21.2	7.49 7.46 7.46	7.5	34.2 34.6 34.9	34.6	112.7 111.9 109.3	111.3	8.2 8.1 7.9	8.1	4.4 4.5 4.5	4.5	9 13 9.7	<0.5 <0.5 <0.5	1 1 2	<1 <1 <1	<1 <1 <1	<0.5 <0.5 <0.5	<1 <1 <1	23 19 27	0.30 0.60 0.22	0.12 0.10 0.07	<2 <2 <2	31 38 41	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
R1	W8	Fine	Moderate	5:53	6.1	Surface 1.0 Middle 3.1	21.3 21.2	7.45 21.2 7.42	7.4	34.2 34.7	34.6	110.3 110.0	109.2	8.0	7.9	4.2 4.1	4.1	8 10 9.0	<0.5 <0.5	1 1	<1 <1	<1 <1	<0.5 <0.5	<1 <1	34 27	0.23 0.23	0.06 0.05	<2 <2	16 16	<0.1 <0.1	<0.02 <0.02
R2	W8	Fine	Moderate	7:53	6.0	Bottom 5.1 Surface 1.0 Middle 3.0	21.4	7.42 7.48 21.3 7.45		34.9 34.2 34.6	34.5	107.4 117.1 114.4	114.8	7.8 8.5 8.3	8.3	4.1 3.9 3.8	3.8	9 8 6 9.0	<0.5 <0.5 <0.5	1 <1	<1 <1 1	<1 <1 <1	<0.5 <0.5 <0.5	<1 <1 <1	28 27 32	0.29 0.22 0.31	0.08 0.05 0.13	<2 <2 <2	17 20 20	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
R3	W8	Fine	Moderate	9:52		Bottom 5.0 Surface 1.0	21.2	7.46 7.49		34.5 34.7 34.1		114.4 113.0		8.3 8.2		3.8 3.8 4.4		13	<0.5 <0.5	1 1	<1 <1	<1 <1	<0.5 <0.5	<1 <1	32 33 27	0.24	0.07	<2	20 20 50	<0.1 <0.1	<0.02 <0.02 <0.02
		Olevet	Madami		6.0	Middle 3.0 Bottom 5.0	21.2 21.2	21.2 7.45 7.45	7.5	34.6 34.8	34.5	113.0 109.8	112.2	8.2 8.0	8.1	4.3 4.3	4.3	11 8.3 6	<0.5 <0.5	<1 1	<1 <1	<1 <1	<0.5 <0.5	<1 <1	28 24	1.30 2.30	0.04 0.14	<2 <2	57 60	<0.1 <0.1	<0.02 <0.02
R4	W8	Cloudy	Moderate	11:54	6.2	Surface 1.0 Middle 3.1 Bottom 5.2		7.48 7.45 7.45	7.5	34.2 34.6 34.8	34.5	110.1 110.0 108.0	109.4	8.0 8.0 7.8	7.9	3.6 3.6 3.8	3.7	10 33 24.7 31	<0.5 <0.5 <0.5	1 <1 <1	<1 <1 <1	<1 <1 <1	<0.5 <0.5 <0.5	<1 <1 <1	31 30 31	1.40 0.30 0.31	0.06 0.13 0.08	<2 <2 <2	47 39 45	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
R5	W8	Cloudy	Moderate	13:51	6.1	Surface 1.0 Middle 3.1	21.4 21.2	7.49 21.3 7.46	7.5	34.2 34.7	34.5	115.5 114.0	113.9	8.4 8.3	8.3	3.9 4.5	4.3	6 9.3	<0.5 <0.5	1	<1 1	<1 <1	<0.5 <0.5	<1 <1	23 24	0.44 0.96	0.14 0.15	<2	39 42	<0.1 <0.1	<0.02 <0.02
R6	W8	Fine	Moderate	15:51	6.1	Bottom 5.1 Surface 1.0 Middle 3.1	21.4	7.47 7.49 21.3 7.46		34.7 34.2 34.6	34.5	112.2 113.5 113.0	112.4	8.1 8.2 8.2	8.2	4.5 4.2 4.4	4.5	9 6 7.0	<0.5 <0.5 <0.5	1 1	<1 <1 <1	<1 <1 <1	<0.5 <0.5 <0.5	<1 <1 <1	23 52 23	0.38 0.30 0.46	0.12 0.11 0.11	<2 <2 <2	45 47 45	<0.1 <0.1 <0.1	<0.02 <0.02 <0.02
		<u> </u>			0	Bottom 5.1		7.46		34.8	04.0	110.7	112.3	8.0	J.L	4.8	4.0	6	<0.5	1	1	<1	<0.5	<1	54	0.33	0.11	<2	47	<0.1	<0.02

APPENDIX G LABORATORY ANALYIS RESULTS FOR MARINE WATER QUALITY MONITORING



TEST REPORT

APPLICANT:

SUEZ NWS Limited

Room 702, 7/F, Lee Garden Two,

28 Yun Ping Road, Causeway Bay, Hong Kong

| Report No.: 36097 | Date of Issue: 2021-12-31 | Date Received: 2021-12-15 | Date Tested: 2021-12-15 | Date Completed: 2021-12-31 | Page: 1 of 3

ATTN:

Mr. Cyrus Fung

Sample Description : 144 liquid samples as received from customer said to be seawater

Laboratory No. : 36097 Sampling Date : 2021-12-15

Test Requested & Methodology:

	questeu et miethodologj.		
Item	Parameters	Ref. Method	Limit of Reporting
1	Suspended Solids (SS) dried at 103-105°C	APHA 17ed 2540 D	2.5 mg/L

PREPARED AND CHECKED BY:
For and On Behalf of WELLAB Ltd.

PATRICK TSE General Manager

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WELLAB LIMITED Room 1714, Technology Park 18 On Lai Street, Shatin New Territories, Hong Kong Tel: 2898 7388 Fax: 2898 7076 Website: www.wellab.com.hk

TEST REPORT

Report No.:	36097
Date of Issue:	2021-12-31
Date Received:	2021-12-15
Date Tested:	2021-12-15
Date Completed:	2021-12-31
Page:	2 of 3

Results:

Sample ID	Sample No.	Suspended Solids dried at 103-105°C	Sample ID	Sample No.	Suspended Solids dried at 103-105°C
F	F	(mg/L)		*	(mg/L)
W1-S R1	36097-1	11	W5-M R2	36097-38	8
W1-M R1	36097-2	13	W5-B R2	36097-39	11
W1-B R1	36097-3	9	W6-S R2	36097-40	22
W2-S R1	36097-4	15	W6-M R2	36097-41	8
W2-M R1	36097-5	12	W6-B R2	36097-42	13
W2-B R1	36097-6	11	W7-S R2	36097-43	15
W3-S R1	36097-7	11	W7-M R2	36097-44	13
W3-M R1	36097-8	39	W7-B R2	36097-45	7
W3-B R1	36097-9	44	W8-S R2	36097-46	8
W4-S R1	36097-10	12	W8-M R2	36097-47	6
W4-M R1	36097-11	15	W8-B R2	36097-48	13
W4-B R1	36097-12	9	W1-S R3	36097-49	9
W5-S R1	36097-13	9	W1-M R3	36097-50	12
W5-M R1	36097-14	11	W1-B R3	36097-51	11
W5-B R1	36097-15	12	W2-S R3	36097-52	7
W6-S R1	36097-16	8	W2-M R3	36097-53	9
W6-M R1	36097-17	6	W2-B R3	36097-54	14
W6-B R1	36097-18	14	W3-S R3	36097-55	20
W7-S R1	36097-19	15	W3-M R3	36097-56	10
W7-M R1	36097-20	9	W3-B R3	36097-57	15
W7-B R1	36097-21	6	W4-S R3	36097-58	6
W8-S R1	36097-22	8	W4-M R3	36097-59	6
W8-M R1	36097-23	10	W4-B R3	36097-60	13
W8-B R1	36097-24	9	W5-S R3	36097-61	13
W1-S R2	36097-25	5	W5-M R3	36097-62	12
W1-M R2	36097-26	6	W5-B R3	36097-63	11
W1-B R2	36097-27	6	W6-S R3	36097-64	7
W2-S R2	36097-28	7	W6-M R3	36097-65	4
W2-M R2	36097-29	9	W6-B R3	36097-66	6
W2-B R2	36097-30	15	W7-S R3	36097-67	7
W3-S R2	36097-31	20	W7-M R3	36097-68	7
W3-M R2	36097-32	6	W7-B R3	36097-69	6
W3-B R2	36097-33	6	W8-S R3	36097-70	8
W4-S R2	36097-34	11	W8-M R3	36097-71	11
W4-M R2	36097-35	13	W8-B R3	36097-72	6
W4-B R2	36097-36	13	W1-S R4	36097-73	4
W5-S R2	36097-37	9	W1-M R4	36097-74	6

Remarks: 1) <= less than



TEST REPORT

Report No.: 36097 2021-12-31 Date of Issue: Date Received: 2021-12-15 Date Tested: 2021-12-15 Date Completed: 2021-12-31

Page: 3 of 3

Results:

Sample ID	Sample No.	Suspended Solids dried at 103-105°C	Sample ID	Sample No.	Suspended Solids dried at 103-105°C
oumpie II	24	(mg/L)			(mg/L)
W1-B R4	36097-75	13	W5-M R5	36097-110	17
W2-S R4	36097-76	8	W5-B R5	36097-111	17
W2-M R4	36097-77	6	W6-S R5	36097-112	11
W2-B R4	36097-78	41	W6-M R5	36097-113	7
W3-S R4	36097-79	56	W6-B R5	36097-114	7 .
W3-M R4	36097-80	14	W7-S R5	36097-115	10
W3-B R4	36097-81	21	W7-M R5	36097-116	15
W4-S R4	36097-82	15	W7-B R5	36097-117	10
W4-M R4	36097-83	21	W8-S R5	36097-118	6
W4-B R4	36097-84	10	W8-M R5	36097-119	6
W5-S R4	36097-85	11	W8-B R5	36097-120	16
W5-M R4	36097-86	14	W1-S R6	36097-121	11
W5-B R4	36097-87	30	W1-M R6	36097-122	14
W6-S R4	36097-88	34	W1-B R6	36097-123	9
W6-M R4	36097-89	19	W2-S R6	36097-124	14
W6-B R4	36097-90	16	W2-M R6	36097-125	12
W7-S R4	36097-91	23	W2-B R6	36097-126	12
W7-M R4	36097-92	20	W3-S R6	36097-127	13
W7-B R4	36097-93	13	W3-M R6	36097-128	7
W8-S R4	36097-94	10	W3-B R6	36097-129	9
W8-M R4	36097-95	33	W4-S R6	36097-130	12
W8-B R4	36097-96	31	W4-M R6	36097-131	12
W1-S R5	36097-97	37	W4-B R6	36097-132	13
W1-M R5	36097-98	15	W5-S R6	36097-133	5
W1-B R5	36097-99	10	W5-M R6	36097-134	9
W2-S R5	36097-100	11	W5-B R6	36097-135	14
W2-M R5	36097-101	7	W6-S R6	36097-136	15
W2-B R5	36097-102	6	W6-M R6	36097-137	13
W3-S R5	36097-103	6	W6-B R6	36097-138	9
W3-M R5	36097-104	12	W7-S R6	36097-139	9
W3-B R5	36097-105	9	W7-M R6	36097-140	13
W4-S R5	36097-106	8	W7-B R6	36097-141	7
W4-M R5	36097-107	7	W8-S R6	36097-142	9
W4-B R5	36097-108	7	W8-M R6	36097-143	6
W5-S R5	36097-109	8	W8-B R6	36097-144	6

Remarks: 1) <= less than

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WELLAB LIMITED Room 1714, Technology Park 18 On Lai Street, Shatin New Territories, Hong Kong Tel: 2898 7388 Fax: 2898 7076 Website: www.wellab.com.hk

TEST REPORT

APPLICANT: SUEZ NWS Limited

Room 702, 7/F, Lee Garden Two,

28 Yun Ping Road, Causeway Bay, Hong Kong

Report No.: 36097A Date of Issue: 2021-12-31 Date Received: 2021-12-15 2021-12-15 Date Tested: Date Completed: 2021-12-31

ATTN:

Mr. Cyrus Fung

Page: 1 of 13

Sample Description : 144 liquid samples as received from customer said to be seawater

Laboratory No. : 36097A Sampling Date : 2021-12-15

Test Requested & Methodology

Item	Parameters	Ref. Method	Limit of Reporting
1	Cadmium	In-house method SOP039 (ICP/MS)	0.5 μg/L
2	Copper		1.0 μg/L
3	Nickel		1.0 μg/L
4	Lead		1.0 μg/L
5	Mercury		0.5 μg/L
6	Chromium		1.0 μg/L
8	Zinc		1.0 μg/L
9	Total Inorganic Nitrogen	In-house method SOP163 (By calculation)	0.04 mg N/L
10	Ammonia	In-house method SOP157 (FIA)	0.02 mg NH ₃ -N/L
11	Biochemical Oxygen Demand	APHA 19ed 5210B	2 mg-O ₂ /L

PREPARED AND CHECKED BY: For and On Behalf of WELLAB Ltd.

ATRICK TSE General Manager



TEST REPORT

 Report No.:
 36097A

 Date of Issue:
 2021-12-31

 Date Received:
 2021-12-15

 Date Tested:
 2021-12-15

 Date Completed:
 2021-12-31

Page: 2 of 13

Results:

Sample ID	W1-S-R1	W1-M-RI	W1-B-RI	W2-S-R1	W2-M-RI	W2-B-Rl
Sample No.	36097-1	36097-2	36097-3	36097-4	36097-5	36097-6
Cadmium (µg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Copper (µg/L)	2	2	2	1	1	1
Nickel (μg/L)	<1	<1	<1	<1	1	<1
Lead (μg/L)	<1	<1	<1	<1	<1	<1
Mercury (μg/L)	<0.5	<0.5	<0.5	< 0.5	<0.5	<0.5
Chromium (µg/L)	<1	<1	<1	<1	<1	<1
Zinc (μg/L)	33	36	45	33	28	26
Total Inorganic Nitrogen (mg/L)	1.5	0.26	0.33	0.22	0.26	0.24
Ammonia (mg/L)	1.4	0.20	0.23	0.17	0.20	0.17
Biochemical Oxygen Demand (mg-O ₂ /L)	<2	<2	<2	<2	<2	<2

Sample ID	W3-S-RI	W3-M-R1	W3-B-R1	W4-S-R1	W4-M-R1	W4-B-RI
Sample No.	36097-7	36097-8	36097-9	36097-10	36097-11	36097-12
Cadmium (µg/L)	<0.5	<0.5	< 0.5	<0.5	<0.5	<0.5
Copper (µg/L)	2	2	1	4	1	2
Nickel (µg/L)	<1	<1	<1	1	<1	1
Lead (μg/L)	<1	<1	<1	<1	<1	<1
Mercury (μg/L)	<0.5	<0.5	< 0.5	<0.5	< 0.5	<0.5
Chromium (µg/L)	<1	<1	<1	<1	<1	<1
Zinc (μg/L)	48	29	33	40	29	37
Total Inorganic Nitrogen (mg/L)	2.6	0.25	0.27	0.27	0.26	0.27
Ammonia (mg/L)	2.6	0.19	0.21	0.20	0.19	0.20
Biochemical Oxygen Demand (mg-O ₂ /L)	<2	<2	<2	<2	<2	<2

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Sample ID	W5-S-RI	W5-M-R1	W5-B-RI	W6-S-RI	W6-M-R1	W6-B-R1
Sample No.	36097-13	36097-14	36097-15	36097-16	36097-17	36097-18
Cadmium (µg/L)	<0.5	<0.5	<0.5	<0.5	< 0.5	<0.5
Copper (µg/L)	1	1	2	1	1	1
Nickel (μg/L)	<1	<1	4	<1	<1	<1
Lead (µg/L)	<1	<1	<1	<1	<1	<1
Mercury (μg/L)	<0.5	< 0.5	< 0.5	<0.5	<0.5	<0.5
Chromium (µg/L)	<1	<1	<1	<1	<1	<1
Zinc (µg/L)	28	34	29	29	27	30
Total Inorganic Nitrogen (mg/L)	1.4	0.26	0.33	0.23	0.24	0.25
Ammonia (mg/L)	1.4	0.19	0.28	0.18	0.17	0.19
Biochemical Oxygen Demand (mg-O ₂ /L)	<2	<2	<2	<2	<2	<2

Sample ID	W7-S-RJ	W7-M-RI	W7-B-R1	W8-S-R1	W8-M-R1	W8-B-R1
Sample No.	36097-19	36097-20	36097-21	36097-22	36097-23	36097-24
Cadmium (µg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Copper (µg/L)	2	1	1	1	1	1
Nickel (μg/L)	<1	<1	<1	<1	<1	<1
Lead (μg/L)	<1	<1	<1	<1	<1	<1
Mercury (μg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	< 0.5
Chromium (µg/L)	<1	<1	<1	<1	<1	<1
Zinc (μg/L)	34	28	28	34	27	28
Total Inorganic Nitrogen (mg/L)	0.26	0.26	0.24	0.23	0.23	0.29
Ammonia (mg/L)	0.21	0.20	0.18	0.17	0.18	0.21
Biochemical Oxygen Demand (mg-O ₂ /L)	<2	<2	<2	<2	<2	<2



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Sample ID	W1-S-R2	W1-M-R2	W1-B-R2	W2-S-R2	W2-M-R2	W2-B-R2
Sample No.	36097-25	36097-26	36097-27	36097-28	36097-29	36097-30
Cadmium (µg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Copper (µg/L)	1	2	2	1	1	1
Nickel (µg/L)	<1	<1	1	<1	<1	<1
Lead (μg/L)	<1	<1	<1	<1	<1	<1
Mercury (μg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium (µg/L)	<1	<1	<1	<1	<1	<1
Zinc (µg/L)	27	30	30	29	31	27
Total Inorganic Nitrogen (mg/L)	0.23	0.26	0.18	0.23	0.26	0.26
Ammonia (mg/L)	0.18	0.18	0.13	0.18	0.20	0.21
Biochemical Oxygen Demand (mg-O ₂ /L)	<2	<2	<2	<2	<2	<2

Sample ID	W3-S-R2	W3-M-R2	W3-B-R2	W4-S-R2	W4-M-R2	W4-B-R2
Sample No.	36097-31	36097-32	36097-33	36097-34	36097-35	36097-36
Cadmium (µg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Copper (µg/L)	2	<1	1	1	1	1
Nickel (µg/L)	1	1	<1	2	<1	<1
Lead (µg/L)	<1	<1	<1	<1	<1	<1
Mercury (µg/L)	<0.5	< 0.5	<0.5	< 0.5	<0.5	< 0.5
Chromium (µg/L)	<1	<1	<1	<1	<1	<1
Zinc (µg/L)	32	26	42	31	27	32
Total Inorganic Nitrogen (mg/L)	0.23	0.23	0.24	0.25	0.25	0.25
Ammonia (mg/L)	0.17	0.18	0.19	0.19	0.19	0.20
Biochemical Oxygen Demand (mg-O ₂ /L)	<2	<2	<2	<2	<2	<2

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Results:						
Sample ID	W5-S-R2	W5-M-R2	W5-B-R2	W6-S-R2	W6-M-R2	W6-B-R2
Sample No.	36097-37	36097-38	36097-39	36097-40	36097-41	36097-42
Cadmium (µg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Copper (µg/L)	2	2	1	1	1	1
Nickel (µg/L)	<1	1	<1	<1	<1	1
Lead (μg/L)	<1	<1	<1	<1	<1	<1
Mercury (µg/L)	<0.5	<0.5	<0.5	< 0.5	<0.5	< 0.5
Chromium (µg/L)	<1	<1	<1	<1	<1	<1
Zinc (µg/L)	34	33	31	30	28	29
Total Inorganic Nitrogen (mg/L)	0.21	0.26	0.23	0.23	0.27	0.26
Ammonia (mg/L)	0.16	0.17	0.18	0.16	0.21	0.19
Biochemical Oxygen Demand (mg-O ₂ /L)	<2	<2	<2	<2	<2	<2

Sample ID	W7-S-R2	W7-M-R2	W7-B-R2	W8-S-R2	W8-M-R2	W8-B-R2
Sample No.	36097-43	36097-44	36097-45	36097-46	36097-47	36097-48
Cadmium (µg/L)	<0.5	<0.5	<0.5	< 0.5	<0.5	<0.5
Copper (µg/L)	2	1	1	<1	1	1
Nickel (µg/L)	<1	<1	<1	<1	1	<1
Lead (µg/L)	<1	<1	<1	<1	<1	<1
Mercury (µg/L)	<0.5	<0.5	<0.5	< 0.5	< 0.5	<0.5
Chromium (µg/L)	<1	<1	<1	<1	<1	<1
Zinc (µg/L)	33	37	36	27	32	33
Total Inorganic Nitrogen (mg/L)	0.24	0.21	0.29	0.22	0.31	0.24
Ammonia (mg/L)	0.16	0.17	0.21	0.17	0.18	0.17
Biochemical Oxygen Demand (mg-O ₂ /L)	<2	<2	<2	<2	<2	<2



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Sample ID	W1-S-R3	W1-M-R3	W1-B-R3	W2-S-R3	W2-M-R3	W2-B-R3
Sample No.	36097-49	36097-50	36097-51	36097-52	36097-53	36097-54
Cadmium (µg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Copper (µg/L)	1	2	2	2	1	1
Nickel (µg/L)	1	1	1	<1	<1	<1
Lead (µg/L)	<1	<1	<1	<1	<1	<1
Mercury (µg/L)	<0.5	<0.5	<0.5	<0.5	< 0.5	<0.5
Chromium (µg/L)	<1	<1	<1	<1	<1	<1
Zinc (µg/L)	38	38	32	34	32	27
Total Inorganic Nitrogen (mg/L)	0.25	0.23	0.24	0.25	0.28	0.24
Ammonia (mg/L)	0.17	0.17	0.18	0.19	0.20	0.17
Biochemical Oxygen Demand (mg-O ₂ /L)	<2	<2	<2	<2	<2	<2

Sample ID	W3-S-R3	W3-M-R3	W3-B-R3	W4-S-R3	W4-M-R3	W4-B-R3
Sample No.	36097-55	36097-56	36097-57	36097-58	36097-59	36097-60
Cadmium (µg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Copper (µg/L)	2	1	1	1	1	1
Nickel (µg/L)	<1	<1	<1	<1	<1	<1
Lead (µg/L)	<1	<1	<1	<1	<1	<1
Mercury (μg/L)	< 0.5	<0.5	<0.5	<0.5	<0.5	< 0.5
Chromium (µg/L)	<1	<1	<1	<1	<1	<1
Zinc (μg/L)	32	33	28	31	26	33
Total Inorganic Nitrogen (mg/L)	0.26	0.22	0.22	0.28	0.20	0.29
Ammonia (mg/L)	0.17	0.17	0.18	0.21	0.15	0.20
Biochemical Oxygen Demand (mg-O ₂ /L)	<2	<2	<2	<2.	<2	<2

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Results:					1	
Sample ID	W5-S-R3	W5-M-R3	W5-B-R3	W6-S-R3	W6M-R3	W6-B-R3
Sample No.	36097-61	36097-62	36097-63	36097-64	36097-65	36097-66
Cadmium (µg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	< 0.5
Copper (µg/L)	2	2	1	1	1	1
Nickel (µg/L)	<1	<1	<1	1	<1	1
Lead (µg/L)	<1	<1	<1	<1	<1	<1
Mercury (µg/L)	<0.5	< 0.5	<0.5	< 0.5	<0.5	< 0.5
Chromium (µg/L)	<1	<1	<1	<1	<1	<1
Zinc (µg/L)	32	32	29	30	33	30
Total Inorganic Nitrogen (mg/L)	0.25	0.27	0.25	0.23	0.24	0.25
Ammonia (mg/L)	0.18	0.18	0.20	0.15	0.16	0.18
Biochemical Oxygen Demand (mg-O ₂ /L)	<2	<2	<2	<2	<2	<2

Sample ID	W7-S-R3	W7-M-R3	W7-B-R3	W8-S-R3	W8-M-R3	W8-B-R3
Sample No.	36097-67	36097-68	36097-69	36097-70	36097-71	36097-72
Cadmium (µg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Copper (µg/L)	<1	1	2	1	<1	11
Nickel (µg/L)	<1	<1	1	<1	<1	<1
Lead (µg/L)	<1	<1	<1	<1	<1	<1
Mercury (µg/L)	< 0.5	<0.5	<0.5	< 0.5	<0.5	< 0.5
Chromium (µg/L)	<1	<1	<1	<1	<1	<1
Zinc (µg/L)	30	30	34	27	28	24
Total Inorganic Nitrogen (mg/L)	0.29	0.20	0.34	0.28	1.3	2.3
Ammonia (mg/L)	0.20	0.16	0.21	0.20	1.3	2.2
Biochemical Oxygen Demand (mg-O ₂ /L)	<2	<2	<2	<2	<2	<2



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Resul	ts:
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Sample ID	W1-S-R4	W1-M-R4	W1-B-R4	W2-S-R4	W2-M-R4	W2-B-R4
Sample No.	36097-73	36097-74	36097-75	36097-76	36097-77	36097-78
Cadmium (µg/L)	< 0.5	<0.5	<0.5	<0.5	<0.5	< 0.5
Copper (µg/L)	1	2	2	1	1	1
Nickel (µg/L)	1	<1	<1	<1	<1	<1
Lead (µg/L)	<1	<1	<1	<1	<1	<1
Mercury (μg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium (µg/L)	<1	<1	<1	<1	<1	<1
Zinc (µg/L)	27	30	28	28	25	32
Total Inorganic Nitrogen (mg/L)	0.30	0.40	0.37	0.30	1.3	0.26
Ammonia (mg/L)	0.23	0.35	0.22	0.16	1.3	0.18
Biochemical Oxygen Demand (mg-O ₂ /L)	<2	<2	<2	<2	<2	<2

Sample ID	W3-S-R4	W3-M-R4	W3-B-R4	W4-S-R4	W4-M-R4	W4-B-R4
Sample No.	36097-79	36097-80	36097-81	36097-82	36097-83	36097-84
Cadmium (µg/L)	<0.5	< 0.5	<0.5	<0.5	<0.5	<0.5
Copper (µg/L)	1	1	1	<1	1	<1
Nickel (µg/L)	<1	<1	<1	<1	3	<1
Lead (μg/L)	<1	<1	<1	<1	1	<1
Mercury (μg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium (μg/L)	<1	<1	<1	<1	<1	<1
Zinc (μg/L)	29	35	24	28	34	27
Total Inorganic Nitrogen (mg/L)	5.0	0.25	0.29	0.20	0.35	0.38
Ammonia (mg/L)	4.9	0.20	0.22	0.17	0.27	0.24
Biochemical Oxygen Demand (mg-O ₂ /L)	<2	<2	<2	<2	<2	<2

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Results:						
Sample ID	W5-S-R4	W5-M-R4	W5-B-R4	W6-S-R4	W6-M-R4	W6-B-R4
Sample No.	36097-85	36097-86	36097-87	36097-88	36097-89	36097-90
Cadmium (µg/L)	<0.5	<0.5	<0.5	< 0.5	<0.5	< 0.5
Copper (µg/L)	1	<1	1	2	1	1
Nickel (µg/L)	<1	<1	1	<1	<1	<1
Lead (µg/L)	<1	<1	<1	<1	<1	<1
Mercury (μg/L)	<0.5	<0.5	<0.5	< 0.5	< 0.5	<0.5
Chromium (µg/L)	<1	<1	<1	<1	<1	<1
Zinc (μg/L)	30	29	31	32	33	30
Total Inorganic Nitrogen (mg/L)	0.32	1.5	0.32	0.69	0.26	0.22
Ammonia (mg/L)	0.27	1.4	0.27	0.58	0.20	0.17
Biochemical Oxygen Demand (mg-O ₂ /L)	<2	<2	<2	<2	<2	<2

Sample ID	W7-S-R4	W7-M-R4	W7-B-R4	W8-S-R4	W8-M-R4	W8-B-R4
Sample No.	36097-91	36097-92	36097-93	36097-94	36097-95	36097-96
Cadmium (µg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Copper (µg/L)	1	2	1	1	<1	<1
Nickel (µg/L)	<1	<1	<1	<1	<1	<1
Lead (µg/L)	<1	<1	<1	<1	<1	<1
Mercury (μg/L)	<0.5	< 0.5	<0.5	<0.5	<0.5	< 0.5
Chromium (µg/L)	<1	<1	<1	<1	<1	<1
Zinc (µg/L)	38	34	31	31	30	31
Total Inorganic Nitrogen (mg/L)	0.45	0.39	0.43	1.4	0.30	0.31
Ammonia (mg/L)	0.35	0.24	0.31	1.3	0.17	0.23
Biochemical Oxygen Demand (mg-O ₂ /L)	<2	<2	<2	<2	<2	<2



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Sample ID	W1-S-R5	W1-M-R5	W1-B-R5	W2-S-R5	W2-M-R5	W2-B-R5
Sample No.	36097-97	36097-98	36097-99	36097-100	36097-101	36097-102
Cadmium (µg/L)	<0.5	<0.5	< 0.5	<0.5	<0.5	<0.5
Copper (µg/L)	1	1	1	1	<1	2
Nickel (µg/L)	<1	1	<1	<1	<1	<1
Lead (μg/L)	<1	<1	<1	<1	<1	<1
Mercury (μg/L)	<0.5	<0.5	< 0.5	< 0.5	<0.5	<0.5
Chromium (µg/L)	<1	<1	<1	<1	<1	<1
Zinc (µg/L)	31	29	27	30	22	24
Total Inorganic Nitrogen (mg/L)	0.34	0.33	0.23	0.40	0.75	0.27
Ammonia (mg/L)	0.29	0.26	0.18	0.25	0.62	0.17
Biochemical Oxygen Demand (mg-O ₂ /L)	<2	<2	<2	<2	<2	<2

Sample ID	W3-S-R5	W3-M-R5	W3-B-R5	W4-S-R5	W4-M-R5	W4-B-R5
Sample No.	36097-103	36097-104	36097-105	36097-106	36097-107	36097-108
Cadmium (µg/L)	<0.5	<0.5	<0.5	< 0.5	<0.5	<0.5
Copper (µg/L)	1	2	<1	1	2	2
Nickel (µg/L)	<1	1	<1	1	<1	<1
Lead (µg/L)	<1	<1	<1	<1	<1	<1
Mercury (µg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium (µg/L)	<1	<1	<1	<1	<1	<1
Zinc (µg/L)	30	25	20	22	19	30
Total Inorganic Nitrogen (mg/L)	0.70	0.36	0.29	1.2	0.74	1.3
Ammonia (mg/L)	0.56	0.24	0.16	1.0	0.63	1.2
Biochemical Oxygen Demand (mg-O ₂ /L)	<2	<2	<2	<2	<2	<2

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Sample ID	W5-S-R5	W5-M-R5	W5-B-R5	W6-S-R5	W6-M-R5	W6-B-R5
Sample No.	36097-109	36097-110	36097-111	36097-112	36097-113	36097-114
Cadmium (µg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Copper (µg/L)	1	2	2	1	1	2
Nickel (µg/L)	1	<1	<1	<1	<1	<1
Lead (µg/L)	<1	<1	<1	<1	<1	<1
Mercury (μg/L)	<0.5	<0.5	<0.5	< 0.5	<0.5	<0.5
Chromium (µg/L)	<1	<1	<1	<1	<1	<1
Zinc (µg/L)	22	25	27	24	35	23
Total Inorganic Nitrogen (mg/L)	0.26	0.37	0.90	0.28	0.59	0.27
Ammonia (mg/L)	0.20	0.29	0.85	0.19	0.46	0.21
Biochemical Oxygen Demand (mg-O ₂ /L)	<2	<2	<2	<2	<2	<2

Sample ID	W7-S-R5	W7-M-R5	W7-B-R5	W8-S-R5	W8-M-R5	W8-B-R5
Sample No.	36097-115	36097-116	36097-117	36097-118	36097-119	36097-120
Cadmium (µg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Copper (µg/L)	1	1	1	1	1	1
Nickel (μg/L)	<1	1	<1	<1	1	<1
Lead (µg/L)	<1	<1	<1	<1	<1	<1
Mercury (µg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium (µg/L)	<1	<1	<1	<1	<1	<1
Zinc (µg/L)	22	21	26	23	24	23
Total Inorganic Nitrogen (mg/L)	0.40	0.34	2.2	0.44	0.96	0.38
Ammonia (mg/L)	0.28	0.22	2.1	0.30	0.81	0.26
Biochemical Oxygen Demand (mg-O ₂ /L)	<2	<2	<2	<2	<2	<2



TEST REPORT

Report No.: 36097A Date of Issue: 2021-12-31 2021-12-15 Date Received: 2021-12-15 Date Tested: Date Completed: 2021-12-31

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Κŧ	S	u	T.	ι	S	:	

Sample ID	W1-S R6	W1-M R6	W1-B R6	W2-S R6	W2-M R6	W2-B R6
Sample No.	36097-121	36097-122	36097-123	36097-124	36097-125	36097-126
Cadmium (µg/L)	W1-S-R6	W1-M-R6	W1-B-R6	W2-·S-R6	W2-M-R6	W2-B-R6
Copper (µg/L)	36097-121	36097-122	36097-123	36097-124	36097-125	36097-126
Nickel (µg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lead (µg/L)	2	1	2	3	1	2
Mercury (µg/L)	1	1	<1	2	1	<1
Chromium (µg/L)	<1	<1	<1	1	<1	<1
Zinc (μg/L)	<0.5	< 0.5	<0.5	<0.5	<0.5	<0.5
Total Inorganic Nitrogen (mg/L)	<1	<1	<1	<1	<1	<1
Ammonia (mg/L)	33	25	41	41	23	28
Biochemical Oxygen	0.47	0.34	0.68	0.43	0.37	0.27

Sample ID	W3-S-R6	W3-M-R6	W3-B-R6	W4-S-R6	W4-M-R6	W4-B-R6
Sample No.	36097-127	36097-128	36097-129	36097-130	36097-131	36097-132
Cadmium (µg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Copper (µg/L)	1	1	1	3	3	2
Nickel (μg/L)	<1	1	1	2	1	1
Lead (μg/L)	<1	<1	<1	<1	<1	<1
Mercury (μg/L)	<0.5	< 0.5	<0.5	<0.5	<0.5	<0.5
Chromium (µg/L)	<1	<1	<1	<1	<1	<1
Zinc (μg/L)	22	23	27	36	34	31
Total Inorganic Nitrogen (mg/L)	0.31	0.47	0.26	0.28	0.24	0.30
Ammonia (mg/L)	0.21	0.33	0.19	0.18	0.17	0.24
Biochemical Oxygen Demand (mg-O ₂ /L)	<2	<2	<2	<2	<2	<2

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TEST REPORT

Report No.:	36097A
Date of Issue:	2021-12-31
Date Received:	2021-12-15
Date Tested:	2021-12-15
Date Completed:	2021-12-31

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Resu	lts
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Kesuits:						
Sample ID	W5-S-R6	W5-M-R6	W5-B-R6	W6-S-R6	W6-M-R6	W6-B-R6
Sample No.	36097-133	36097-134	36097-135	36097-136	36097-137	36097-138
Cadmium (µg/L)	<0.5	<0.5	< 0.5	<0.5	<0.5	<0.5
Copper (µg/L)	4	1	1	2	2	1
Nickel (μg/L)	2	1	<1	1	1	<1
Lead (µg/L)	2	<1	<1	<1	<1	<1
Mercury (µg/L)	<0.5	< 0.5	<0.5	< 0.5	<0.5	<0.5
Chromium (µg/L)	<1	<1	<1	<1	<1	<1
Zinc (µg/L)	59	26	22	30	24	19
Total Inorganic Nitrogen (mg/L)	0.34	0.39	0.43	0.32	0.51	0.30
Ammonia (mg/L)	0.21	0.28	0.31	0.26	0.34	0.20
Biochemical Oxygen Demand (mg-O ₂ /L)	<2	<2	<2	<2	<2	<2

Sample ID	W7-S-R6	W7-M-R6	W7-B-R6	W8-S-R6	W8-M-R6	W8-B-R6
Sample No.	36097-139	36097-140	36097-141	36097-142	36097-143	36097-144
Cadmium (µg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Copper (µg/L)	1	1	2	1	1	1
Nickel (µg/L)	<1	<1	<1	<1	<1	1
Lead (μg/L)	<1	<1	<1	<1	<1	<1
Mercury (µg/L)	<0.5	<0.5	<0.5	< 0.5	<0.5	<0.5
Chromium (µg/L)	<1	<1	<1	<1	<1	<1
Zinc (µg/L)	23	19	27	52	23	54
Total Inorganic Nitrogen (mg/L)	0.30	0.60	0.22	0.30	0.46	0.33
Ammonia (mg/L)	0.18	0.50	0.15	0.19	0.35	0.21
Biochemical Oxygen Demand (mg-O ₂ /L)	<2	<2	<2	<2	<2	<2

Remarks: 1) <= less than



TEST REPORT

APPLICANT: SUEZ NWS Limited

Room 702, 7/F, Lee Garden Two,

28 Yun Ping Road, Causeway Bay, Hong Kong

Report No.: 36097B 2021-12-31 Date of Issue: Date Received: 2021-12-15 Date Tested: 2021-12-15 Date Completed: 2021-12-31

ATTN:

Mr. Cyrus Fung

Page: 1 of 3

Sample Description : 144 liquid samples as received from customer said to be seawater

Laboratory No. : 36097B Sampling Date : 2021-12-15

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
1	E. coli	DoE (1983) The Bacteriological Examination of Drinking Water Supplies, 1982 (Membrane Filtration Procedure: Sections 7.8, 7.9.4.2; Bacterial Confirmation: Section 7.9.4.3 for coliform, 7.9.4.4 for E. coli)	1 cfu/100mL

PREPARED AND CHECKED BY: For and On Behalf of WELLAB Ltd.

PATRICK TSE General Manager

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TEST REPORT

Report No.:	36097B
Date of Issu	ie: 2021-12-31
Date Receiv	ved: 2021-12-15
Date Tested	1: 2021-12-15
Date Comp	leted: 2021-12-31

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Res	ul	ts
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Sample ID Sample No.		E.coli	Sample ID	Sample No.	E.coli	
Sample ID	Sample No.	(cfu/100mL)	Sample 1D	Sample No.	(cfu/100mL)	
W1-S R1	36097-1	17	W5-M R2	36097-38	11	
W1-M R1	36097-2	19	W5-B R2	36097-39	12	
W1-B R1	36097-3	23	W6-S R2	36097-40	13	
W2-S R1	36097-4	16	W6-M R2	36097-41	12	
W2-M R1	36097-5	16	W6-B R2	36097-42	14	
W2-B R1	36097-6	18	W7-S R2	36097-43	21	
W3-S R1	36097-7	28	W7-M R2	36097-44	19	
W3-M R1	36097-8	24	W7-B R2	36097-45	21	
W3-B R1	36097-9	29	W8-S R2	36097-46	20	
W4-S R1	36097-10	33	W8-M R2	36097-47	20	
W4-M R1	36097-11	33	W8-B R2	36097-48	20	
W4-B R1	36097-12	34	W1-S R3	36097-49	20	
W5-S R1	36097-13	46	W1-M R3	36097-50	20	
W5-M R1	36097-14	48	W1-B R3	36097-51	22	
W5-B R1	36097-15	49	W2-S R3	36097-52	43	
W6-S R1	36097-16	29	W2-M R3	36097-53	33	
W6-M R1	36097-17	30	W2-B R3	36097-54	36	
W6-B R1	36097-18	31	W3-S R3	36097-55	15	
W7-S R1	36097-19	18	W3-M R3	36097-56	18	
W7-M R1	36097-20	18	W3-B R3	36097-57	18	
W7-B R1	36097-21	20	W4-S R3	36097-58	29	
W8-S R1	36097-22	16	W4-M R3	36097-59	29	
W8-M R1	36097-23	16	W4-B R3	36097-60	29	
W8-B R1	36097-24	17	W5-S R3	36097-61	62	
W1-S R2	36097-25	14	W5-M R3	36097-62	61	
W1-M R2	36097-26	13	W5-B R3	36097-63	62	
W1-B R2	36097-27	18	W6-S R3	36097-64	51	
W2-S R2	36097-28	12	W6-M R3	36097-65	63	
W2-M R2	36097-29	11	W6-B R3	36097-66	61	
W2-B R2	36097-30	12	W7-S R3	36097-67	47	
W3-S R2	36097-31	16	W7-M R3	36097-68	45	
W3-M R2	36097-32	18	W7-B R3	36097-69	42	
W3-B R2	36097-33	17	W8-S R3	36097-70	50	
W4-S R2	36097-34	9	W8-M R3	36097-71	57	
W4-M R2	36097-35	10	W8-B R3	36097-72	60	
W4-B R2	36097-36	9	W1-S R4	36097-73	44	
W5-S R2	36097-37	12	W1-M R4	36097-74	48	

Remarks: 1) <= less than



TEST REPORT

36097B Report No.: Date of Issue: 2021-12-31 Date Received: 2021-12-15 Date Tested: 2021-12-15 Date Completed: 2021-12-31

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Results:					
Sample ID	Sample No.	E.coli	Sample ID	Sample No.	E.coli
Sample ID	Sample Ivo.	(cfu/100mL)	Sumple 12	Sumpro I to	(cfu/100mL)
W1-B R4	36097-75	53	W5-M R5	36097-110	55
W2-S R4	36097-76	48	W5-B R5	36097-111	51
W2-M R4	36097-77	49	W6-S R5	36097-112	40
W2-B R4	36097-78	44	W6-M R5	36097-113	35
W3-S R4	36097-79	40	W6-B R5	36097-114	43
W3-M R4	36097-80	33	W7-S R5	36097-115	42
W3-B R4	36097-81	36	W7-M R5	36097-116	40
W4-S R4	36097-82	42	W7-B R5	36097-117	49
W4-M R4	36097-83	38	W8-S R5	36097-118	39
W4-B R4	36097-84	46	W8-M R5	36097-119	42
W5-S R4	36097-85	37	W8-B R5	36097-120	45
W5-M R4	36097-86	38	W1-S R6	36097-121	32
W5-B R4	36097-87	42	W1-M R6	36097-122	34
W6-S R4	36097-88	47	W1-B R6	36097-123	41
W6-M R4	36097-89	40	W2-S R6	36097-124	43
W6-B R4	36097-90	45	W2-M R6	36097-125	53
W7-S R4	36097-91	54	W2-B R6	36097-126	54
W7-M R4	36097-92	56	W3-S R6	36097-127	51
W7-B R4	36097-93	64	W3-M R6	36097-128	52
W8-S R4	36097-94	47	W3-B R6	36097-129	46
W8-M R4	36097-95	39	W4-S R6	36097-130	43
W8-B R4	36097-96	45	W4-M R6	36097-131	50
W1-S R5	36097-97	40	W4-B R6	36097-132	51
W1-M R5	36097-98	36	W5-S R6	36097-133	40
W1-B R5	36097-99	44	W5-M R6	36097-134	40
W2-S R5	36097-100	45	W5-B R6	36097-135	49
W2-M R5	36097-101	37	W6-S R6	36097-136	47
W2-B R5	36097-102	43	W6-M R6	36097-137	39
W3-S R5	36097-103	43	W6-B R6	36097-138	49
W3-M R5	36097-104	49	W7-S R6	36097-139	31
W3-B R5	36097-105	47	W7-M R6	36097-140	38
W4-S R5	36097-106	47	W7-B R6	36097-141	41
W4-M R5	36097-107	47	W8-S R6	36097-142	47
W4-B R5	36097-108	44	W8-M R6	36097-143	45
W5-S R5	36097-109	54	W8-B R6	36097-144	47

Remarks: 1) <= less than

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36097C

TEST REPORT

APPLICANT: SUEZ NWS Limited

ATTN:

Room 702, 7/F, Lee Garden Two,

28 Yun Ping Road, Causeway Bay, Hong Kong

2021-12-31 Date of Issue: Date Received: 2021-12-15 Date Tested: 2021-12-15

Report No.:

2021-12-31 Date Completed:

Page: 1 of 25 Mr. Cyrus Fung

Sample Description : 144 liquid samples as received from customer said to be seawater

Laboratory No. : 36097C Sampling Date: 2021-12-15

Test Requested & Methodology

Item	Parameters	Ref. Method	Limit of Reporting
1	Naphthalene (NAP)	In-house method SOP 087 (GC/MSD)	0.1 μg/L
2	Acenaphthylene (ANY)	[0.1 μg/L
3	Acenaphthene (ANA)		0.1 μg/L
4	Fluorene (FLU)		0.1 μg/L
5	Phenanthrene (PHE)		0.1 μg/L
6	Anthracene (ANT)		0.1 μg/L
7	Fluoranthene (FLT)		0.1 μg/L
8	Benzo(a)Anthracene (BaA)		0.1 μg/L
9	Chrysene (CHR)		0.1 μg/L
10	Pyrene (PYR)		0.1 μg/L
11	Benzo(b)Fluoranthene (BbF)		0.1 μg/L
12	Benzo(a)Pyrene (BaP)		0.1 μg/L
13	Benzo(k) Fluoranthene (BkF)		0.1 μg/L
14	Indeno(1,2,3-cd)pyrene (IPY)		0.1 μg/L
15	Dibenz(a,h)anthracene (DBA)		0.1 μg/L
16	Benzo(g,h,i)Perylene (BPE)		0.1 μg/L

PREPARED AND CHECKED BY: For and On Behalf of WELLAB Ltd.

PATRICK TSE General Manager



TEST REPORT

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Results:

Results:						
Sample ID	W1-S R1	W1-M R1	W1-B R1	W2-S R1	W2-M R1	W2-B R1
Sample No.	36097-1	36097-2	36097-3	36097-4	36097-5	36097-6
Naphthalene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(NAP), μg/L	<0.1	₹0.1	\0.1	\0.1	\0.1	·0,1
Acenaphthylene	<0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
(ANY), μg/L	10.1	-0.1	-0.1		V.1	
Acenaphthene	<0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
(ANA) , μg/L	***					
Fluorene	<0.1	<0.1	< 0.1	<0.1	<0.1	< 0.1
(FLU), μg/L						
Phenanthrene	<0.1	< 0.1	<0.1	<0.1	<0.1	< 0.1
(PHE) , μg/L						
Anthracene	< 0.1	<0.1	< 0.1	< 0.1	<0.1	< 0.1
(ANT), µg/L Fluoranthene						
	< 0.1	<0.1	<0.1	< 0.1	<0.1	< 0.1
(FLT), μg/L Benzo(a)Anthracene						
(BaA), μg/L	< 0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene						
(CHR), µg/L	<0.1	< 0.1	<0.1	<0.1	<0.1	<0.1
Pyrene						
(PYR), μg/L	<0.1	< 0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b)Fluoranthene		-0.1	.0.1	r0.1	-0.1	<0.1
(BbF), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)Pyrene	c0 1	-0.1	<0.1	<0.1	<0.1	<0.1
(BaP), µg/L	<0.1	<0.1	<0.1	\\0.1	V0.1	\0.1
Benzo(k) Fluoranthene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BkF), μg/L	\0.1	\0.1	V.1	V0.1	50.1	٦٥.1
Indeno(1,2,3-cd)pyrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(IPY) , μg/L	V.1	V.1	\0.1	×0.1	V0.1	10.1
Dibenz(a,h)anthracene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(DBA), μg/L	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Benzo(g,h,i)Perylene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BPE) , μg/L	-0.1	.0.1	l			

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TEST REPORT

ı	Report No.:	36097C
ı	Date of Issue:	2021-12-31
	Date Received:	2021-12-15
	Date Tested:	2021-12-15
	Date Completed:	2021-12-31

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Results:		,				
Sample ID	W3-S R1	W3-M R1	W3-B R1	W4-S R1	W4-M R1	W4-B R1
Sample No.	36097-7	36097-8	36097-9	36097-10	36097-11	36097-12
Naphthalene	<0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
(NAP), μg/L	~0.1	-0.1	-0,1	-0.1		
Acenaphthylene	<0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
(ANY), μg/L						
Acenaphthene	<0.1	< 0.1	< 0.1	<0.1	< 0.1	< 0.1
(ANA), μg/L						
Fluorene	< 0.1	< 0.1	<0.1	<0.1	<0.1	<0.1
(FLU), μg/L Phenanthrene						
(PHE), µg/L	<0.1	< 0.1	<0.1	<0.1	<0.1	<0.1
Anthracene						
(ANT), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	.0.1	-0.1	r0.1	<0.1	<0.1	<0.1
(FLT), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	\0.1
Benzo(a)Anthracene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BaA), μg/L	\0.1	\(\) 0.1	~0.1	V0.1	VO.1	40.1
Chrysene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(CHR), μg/L	-0.1	-0.1	10.1	-0.1		
Pyrene	<0.1	<0.1	<0.1	<0.1	< 0.1	< 0.1
(PYR) , μg/L						
Benzo(b)Fluoranthene	<0.1	< 0.1	< 0.1	< 0.1	<0.1	<0.1
(BbF), μg/L				<u> </u>		
Benzo(a)Pyrene	< 0.1	< 0.1	<0.1	< 0.1	<0.1	<0.1
(BaP), μg/L Benzo(k) Fluoranthene					1	
(BkF), µg/L	< 0.1	< 0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene						-0.1
(IPY), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenz(a,h)anthracene	-0.1	-0.1	r0.1	<0.1	<0.1	<0.1
(DBA), µg/L	< 0.1	<0.1	<0.1	<0.1	<0.1	
Benzo(g,h,i)Perylene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BPE) , μg/L	~0.1	\O.1	V0.1	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		-0.1



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Results:

Results:						
Sample ID	W5-S R1	W5-M R1	W5-B R1	W6-S R1	W6-M R1	W6-B R1
Sample No.	36097-13	36097-14	36097-15	36097-16	36097-17	36097-18
Naphthalene	<0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
(NAP), μg/L	\0.1	~0.1	٠٠.1	٦٥.1	10.1	.071
Acenaphthylene	<0.1	<0.1	<0.1	<0.1	< 0.1	<0.1
(ANY), μg/L						
Acenaphthene	<0.1	<0.1	<0.1	<0.1	< 0.1	< 0.1
(ANA) , μg/L						
Fluorene	< 0.1	<0.1	< 0.1	<0.1	< 0.1	<0.1
(FLU), μg/L						
Phenanthrene	<0.1	<0.1	< 0.1	<0.1	< 0.1	<0.1
(PHE) , μg/L Anthracene						
(ANT), µg/L	< 0.1	< 0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene						
(FLT), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)Anthracene					-0.1	-0.1
(BaA), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(CHR), µg/L	<0.1	<0.1	V0.1	\0.1	\\0.1	₹0.1
Pyrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(PYR), μg/L	\0.1	VO.1	VO.1	40.1	30.1	70.1
Benzo(b)Fluoranthene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BbF) , μg/L	٧٥.1	10.1	-0.1			
Benzo(a)Pyrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BaP) , μg/L						
Benzo(k) Fluoranthene	<0.1	<0.1	<0.1	<0.1	< 0.1	< 0.1
(BkF), μg/L						
Indeno(1,2,3-cd)pyrene	< 0.1	< 0.1	< 0.1	< 0.1	<0.1	< 0.1
(IPY), μg/L					-	
Dibenz(a,h)anthracene	< 0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(DBA), µg/L		+				
Benzo(g,h,i)Perylene	<0.1	<0.1	<0.1	<0.1	< 0.1	<0.1
(BPE) , μg/L	L			1	L	

Remarks: 1) <= less than



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Results:						
Sample ID	W7-S R1	W7-M R1	W7-B R1	W8-S R1	W8-M R1	W8-B R1
Sample No.	36097-19	36097-20	36097-21	36097-22	36097-23	36097-24
Naphthalene	< 0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(NAP), μg/L	\0.1	\0.1	٧٥.1	٦٥.1	٠٠.1	
Acenaphthylene	< 0.1	<0.1	<0.1	< 0.1	<0.1	<0.1
(ANY), μg/L						
Acenaphthene	< 0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(ANA), μg/L						
Fluorene	< 0.1	< 0.1	<0.1	<0.1	< 0.1	<0.1
(FLU), μg/L						
Phenanthrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(PHE), µg/L						
Anthracene (ANT), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene						
(FLT), µg/L	<0.1	< 0.1	< 0.1	<0.1	<0.1	<0.1
Benzo(a)Anthracene						
(BaA), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	.0.1	-0.1	<0.1	<0.1	<0.1	<0.1
(CHR), µg/L	<0.1	<0.1	<0.1	<0.1	V0.1	<0.1
Pyrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(PYR), μg/L	<0.1	\0.1	<0.1	VO.1	V0.1	-0.1
Benzo(b)Fluoranthene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BbF) , μg/L	\0.1	-0.1	10.1	-0.1	-0.1	
Benzo(a)Pyrene	<0.1	<0.1	< 0.1	<0.1	<0.1	<0.1
(BaP) , μg/L	-0.1	0.1				
Benzo(k) Fluoranthene	<0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
(BkF), μg/L						
Indeno(1,2,3-cd)pyrene	<0.1	<0.1	<0.1	< 0.1	< 0.1	< 0.1
(IPY) , μg/L		-				
Dibenz(a,h)anthracene	< 0.1	< 0.1	< 0.1	<0.1	< 0.1	<0.1
(DBA), μg/L						
Benzo(g,h,i)Perylene	<0.1	<0.1	< 0.1	< 0.1	<0.1	<0.1
(BPE) , μg/L	1	1	J		1	1

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Results:				,		
Sample ID	W1-S R2	W1-M R2	W1-B R2	W2-S R2	W2-M R2	W2-B R2
Sample No.	36097-25	36097-26	36097-27	36097-28	36097-29	36097-30
Naphthalene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(NAP), μg/L	₹0.1	٧٠.١	-0.1	-0.1	-0.1	
Acenaphthylene	<0.1	<0.1	<0.1	< 0.1	< 0.1	< 0.1
(ANY), μg/L						
Acenaphthene	< 0.1	< 0.1	<0.1	<0.1	< 0.1	< 0.1
(ANA) , μg/L						
Fluorene (FLU), µg/L	<0.1	< 0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene						
(PHE), μg/L	<0.1	< 0.1	<0.1	<0.1	<0.1	< 0.1
Anthracene				.0.1	.0.1	40.1
(ANT), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(FLT) , μg/L	<0.1	V0.1	<0.1	~0.1	~0.1	\0.1
Benzo(a)Anthracene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BaA) , μg/L	30.1	10.1	-0.1			
Chrysene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(CHR) , μg/L						
Pyrene	<0.1	< 0.1	<0.1	< 0.1	< 0.1	<0.1
(PYR), μg/L						
Benzo(b)Fluoranthene (BbF), μg/L	< 0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)Pyrene						
(BaP), μg/L	< 0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k) Fluoranthene	c0 1	-0.1	<0.1	<0.1	<0.1	<0.1
(BkF), μg/L	<0.1	<0.1	<0.1	<0.1	\0.1	~U.1
Indeno(1,2,3-cd)pyrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(IPY), μg/L	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	~0.1	VO.1	\0.1	VO.1	-0.1
Dibenz(a,h)anthracene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(DBA), μg/L		0.1				
Benzo(g,h,i)Perylene	< 0.1	<0.1	< 0.1	< 0.1	<0.1	<0.1
(BPE) , μg/L						

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Results:						
Sample ID	W3-S R2	W3-M R2	W3-B R2	W4-S R2	W4-M R2	W4-B R2
Sample No.	36097-31	36097-32	36097-33	36097-34	36097-35	36097-36
Naphthalene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(NAP), μg/L	١٠.١	-0.1			***	
Acenaphthylene	< 0.1	<0.1	<0.1	<0.1	< 0.1	< 0.1
(ANY), μg/L						
Acenaphthene	<0.1	< 0.1	<0.1	<0.1	< 0.1	<0.1
(ANA), μg/L Fluorene						
(FLU), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
Phenanthrene					.0.1	-0.1
(PHE), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	c0 1	<0.1	<0.1	<0.1	<0.1	<0.1
(ANT) , μg/L	<0.1	<0.1	\0.1	<0.1	<0.1	\0.1
Fluoranthene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(FLT), μg/L	VO.1	10.1	-0.1	-0.1		
Benzo(a)Anthracene	<0.1	<0.1	< 0.1	<0.1	<0.1	< 0.1
(BaA), μg/L						
Chrysene	< 0.1	< 0.1	<0.1	<0.1	<0.1	<0.1
(CHR), μg/L						
Pyrene (PYR), μg/L	< 0.1	< 0.1	<0.1	< 0.1	<0.1	<0.1
Benzo(b)Fluoranthene		· · · · · · · · · · · · · · · · · · ·				
(BbF), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)Pyrene	.0.1	-0.1	-0.1	<0.1	<0.1	<0.1
(BaP), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	V0.1
Benzo(k) Fluoranthene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BkF), μg/L	~0.1	V.1	\0.1	٠٥.1	10.1	-0.1
Indeno(1,2,3-cd)pyrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(IPY), μg/L		V.1				
Dibenz(a,h)anthracene	<0.1	<0.1	<0.1	< 0.1	<0.1	<0.1
(DBA), µg/L						
Benzo(g,h,i)Perylene	<0.1	<0.1	<0.1	< 0.1	< 0.1	<0.1
(BPE) , μg/L				J		

Remarks: 1) <= less than



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Kesu	Its:

Results:						
Sample ID	W5-S R2	W5-M R2	W5-B R2	W6-S R2	W6-M R2	W6-B R2
Sample No.	36097-37	36097-38	36097-39	36097-40	36097-41	36097-42
Naphthalene	<0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
(NAP), μg/L	-0.1	-0.1		011		
Acenaphthylene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(ANY) , μg/L						
Acenaphthene	<0.1	<0.1	< 0.1	<0.1	< 0.1	<0.1
(ANA) , μg/L						
Fluorene	<0.1	<0.1	<0.1	< 0.1	<0.1	< 0.1
(FLU) , μg/L Phenanthrene						
PHE), μg/L	< 0.1	< 0.1	<0.1	<0.1	<0.1	<0.1
Anthracene						
(ANT), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene		—		.0.1	r0 1	<0.1
(FLT), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	\0.1
Benzo(a)Anthracene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BaA), μg/L	<0.1	\\0.1	\\\ 0.1	₹0.1	×0.1	٠٥.1
Chrysene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(CHR) , μg/L	٦٥,1	10.1	-0.1	-0.1		
Pyrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(PYR), μg/L						
Benzo(b)Fluoranthene	<0.1	<0.1	< 0.1	< 0.1	<0.1	< 0.1
(BbF), μg/L						
Benzo(a)Pyrene	<0.1	< 0.1	<0.1	<0.1	<0.1	< 0.1
(BaP), μg/L Benzo(k) Fluoranthene	1	-	-			
(BkF), μg/L	< 0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
Indeno(1,2,3-cd)pyrene						
(IPY), μg/L	<0.1	< 0.1	< 0.1	<0.1	<0.1	<0.1
Dibenz(a,h)anthracene				1	-0.1	-0.1
(DBA), µg/L	< 0.1	< 0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)Perylene			-0.1	-0.1	<0.1	<0.1
(BPE) . µg/L	< 0.1	<0.1	<0.1	<0.1	\ \0.1	₹0.1

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Results:

Results:						
Sample ID	W7-S R2	W7-M R2	W7-B R2	W8-S R2	W8-M R2	W8-B R2
Sample No.	36097-43	36097-44	36097-45	36097-46	36097-47	36097-48
Naphthalene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(NAP), μg/L	VO.1	٧٥.1	٠٥.1	10.1	.0.1	-0.1
Acenaphthylene	<0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
(ANY) , μg/L	0.1					
Acenaphthene	<0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
(ANA) , μg/L						
Fluorene	<0.1	< 0.1	< 0.1	<0.1	< 0.1	<0.1
(FLU) , μg/L Phenanthrene						
(PHE), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
Anthracene				.0.1	.0.1	-0.1
(ANT), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(FLT), μg/L	<0.1	<0.1	\0.1	\0.1	\0.1	V0.1
Benzo(a)Anthracene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BaA) , μg/L	70,1	-0.1				
Chrysene	<0.1	<0.1	< 0.1	<0.1	<0.1	< 0.1
(CHR), μg/L					<u> </u>	
Pyrene	< 0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(PYR), μg/L Benzo(b)Fluoranthene						
(BbF), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)Pyrene						.0.1
(BaP), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k) Fluoranthene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BkF), μg/L	\0.1	<0.1	\0.1	VO.1	V0.1	\0.1
Indeno(1,2,3-cd)pyrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(IPY) , μg/L	·0.1	10.1	10.1			
Dibenz(a,h)anthracene	<0.1	<0.1	< 0.1	<0.1	< 0.1	<0.1
(DBA), µg/L						
Benzo(g,h,i)Perylene	<0.1	<0.1	<0.1	< 0.1	<0.1	<0.1
(BPE) , μg/L		L		L	J	

Remarks: 1) \leq = less than



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Results:						
Sample ID	W1-S R3	W1-M R3	W1-B R3	W2-S R3	W2-M R3	W2-B R3
Sample No.	36097-49	36097-50	36097-51	36097-52	36097-53	36097-54
Naphthalene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(NAP), μg/L	~0.1	~0.1	\0.1	-0.1	40.1	-0.1
Acenaphthylene	<0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
(ANY) , μg/L						
Acenaphthene	<0.1	<0.1	< 0.1	<0.1	< 0.1	< 0.1
(ANA), μg/L						
Fluorene	<0.1	< 0.1	<0.1	<0.1	< 0.1	< 0.1
(FLU), μg/L						
Phenanthrene	<0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
(PHE) , μg/L Anthracene	}					
	< 0.1	< 0.1	<0.1	<0.1	<0.1	<0.1
(ANT), µg/L Fluoranthene						
(FLT), µg/L	<0.1	<0.1	< 0.1	< 0.1	<0.1	<0.1
Benzo(a)Anthracene						
(BaA), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	.0.1	.0.1	40.1	<0.1	<0.1	<0.1
(CHR), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(PYR), μg/L	<0.1	<0.1	\0.1	\0.1	<0.1	V.1
Benzo(b)Fluoranthene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BbF), μg/L	V.1	NO.1	\0.1	30.1	.0.1	-0.1
Benzo(a)Pyrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BaP) , μg/L	30.1	-0.1				
Benzo(k) Fluoranthene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BkF), μg/L						
Indeno(1,2,3-cd)pyrene	< 0.1	<0.1	<0.1	<0.1	< 0.1	< 0.1
(IPY) , μg/L						
Dibenz(a,h)anthracene	< 0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
(DBA), µg/L		<u> </u>				
Benzo(g,h,i)Perylene	<0.1	<0.1	< 0.1	<0.1	< 0.1	<0.1
(BPE) , μg/L	1			L	L	

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Results:						
Sample ID	W3-S R3	W3-M R3	W3-B R3	W4-S R3	W4-M R3	W4-B R3
Sample No.	36097-55	36097-56	36097-57	36097-58	36097-59	36097-60
Naphthalene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(NAP), μg/L	.0.1					
Acenaphthylene	<0.1	<0.1	<0.1	< 0.1	< 0.1	<0.1
(ANY), μg/L						
Acenaphthene	< 0.1	<0.1	< 0.1	<0.1	< 0.1	< 0.1
(ANA), μg/L Fluorene						
(FLU), µg/L	< 0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene						
(PHE), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	.0.1	-0.1	-0.1	<0.1	<0.1	<0.1
(ANT), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	\0.1
Fluoranthene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(FLT), μg/L	~0.1	V.1	VO.1	V0.1	30.1	·0.1
Benzo(a)Anthracene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BaA), μg/L			***			
Chrysene	<0.1	<0.1	<0.1	< 0.1	<0.1	<0.1
(CHR), μg/L						
Pyrene (PVP)	< 0.1	< 0.1	<0.1	<0.1	<0.1	<0.1
(PYR), μg/L Benzo(b)Fluoranthene						
(BbF), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)Pyrene			.0.1	40.1	c0 1	<0.1
(BaP), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k) Fluoranthene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BkF), μg/L	\\0.1	~0.1	₹0.1	\U.1	10.1	VO.1
Indeno(1,2,3-cd)pyrene	<0.1	<0.1	<0.1	< 0.1	<0.1	<0.1
(IPY), μg/L	70.1	-0.1	-0.1		~	
Dibenz(a,h)anthracene	<0.1	<0.1	<0.1	<0.1	< 0.1	<0.1
(DBA), µg/L						
Benzo(g,h,i)Perylene	<0.1	< 0.1	<0.1	<0.1	<0.1	< 0.1
(BPE) , μg/L	L					1



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Results:						
Sample ID	W5-S R3	W5-M R3	W5-B R3	W6-S R3	W6-M R3	W6-B R3
Sample No.	36097-61	36097-62	36097-63	36097-64	36097-65	36097-66
Naphthalene	<0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
(NAP), μg/L	<0.1	VO.1	٦٥.1	70.1	-0.1	
Acenaphthylene	<0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
(ANY) , μg/L				7		
Acenaphthene	<0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
(ANA) , μg/L						
Fluorene	< 0.1	< 0.1	<0.1	< 0.1	<0.1	<0.1
(FLU) , μg/L Phenanthrene						
	<0.1	< 0.1	< 0.1	<0.1	<0.1	<0.1
(PHE) , μg/L Anthracene						
(ANT), µg/L	< 0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene						
(FLT), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)Anthracene		.0.1	-0.1	-0.1	-0.1	<0.1
(BaA), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(CHR), μg/L	<0.1	~0.1	<0.1	₹0.1	~0.1	~0.1
Pyrene	<0.1	<0.1	< 0.1	<0.1	<0.1	<0.1
(PYR) , μg/L	V0.1	VO.1	V.1	10.1	40.1	-0.1
Benzo(b)Fluoranthene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BbF) , μg/L	-0.1	10.1	-0.1		***	
Benzo(a)Pyrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BaP) , μg/L						
Benzo(k) Fluoranthene	<0.1	<0.1	<0.1	< 0.1	< 0.1	< 0.1
(BkF), μg/L		1	-			1
Indeno(1,2,3-cd)pyrene	<0.1	<0.1	<0.1	< 0.1	< 0.1	< 0.1
(IPY), µg/L						
Dibenz(a,h)anthracene	<0.1	<0.1	< 0.1	<0.1	<0.1	<0.1
(DBA), µg/L Benzo(g,h,i)Perylene			-			
(BPE), µg/L	< 0.1	<0.1	<0.1	< 0.1	<0.1	<0.1
(DrE),µg/L	L	<u> </u>	L	L		I

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Results:						
Sample ID	W7-S R3	W7-M R3	W7-B R3	W8-S R3	W8-M R3	W8-B R3
Sample No.	36097-67	36097-68	36097-69	36097-70	36097-71	36097-72
Naphthalene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(NAP), μg/L	₹0.1	\0.1	\0.1	٠٠.1	40.1	-0.1
Acenaphthylene	<0.1	<0.1	<0.1	<0.1	< 0.1	< 0.1
(ANY) , μg/L	-0.1	-0.1	V.1			
Acenaphthene	<0.1	<0.1	< 0.1	< 0.1	< 0.1	< 0.1
(ANA) , μg/L						
Fluorene	< 0.1	<0.1	< 0.1	< 0.1	< 0.1	< 0.1
(FLU), μg/L						
Phenanthrene	< 0.1	< 0.1	<0.1	< 0.1	< 0.1	<0.1
(PHE) , μg/L Anthracene						
(ANT), µg/L	< 0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene						
(FLT), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)Anthracene	.0.1	40.1	c0 1	<0.1	<0.1	<0.1
(BaA), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(CHR), μg/L	\\0.1	V0.1	V.1	VO.1	10.1	-0.1
Pyrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(PYR) , μg/L	-0.1	30,1	30.1			71.
Benzo(b)Fluoranthene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BbF) , μg/L						
Benzo(a)Pyrene	< 0.1	< 0.1	< 0.1	< 0.1	<0.1	< 0.1
(BaP), μg/L						
Benzo(k) Fluoranthene	<0.1	<0.1	< 0.1	< 0.1	< 0.1	<0.1
(BkF), μg/L Indeno(1,2,3-cd)pyrene						
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	<0.1	< 0.1	<0.1	<0.1	<0.1	<0.1
(IPY), μg/L Dibenz(a,h)anthracene		1				
(DBA), µg/L	<0.1	< 0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)Perylene				.0.1	-0.1	-O 1
(BPE) , μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(Β.Ε), μg.Ε						

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W1-S R4	W1-M R4	W1-B R4	W2-S R4	W2-M R4	W2-B R4
36097-73	36097-74	36097-75	36097-76	36097-77	36097-78
<0.1	<0.1	<0.1	< 0.1	<0.1	<0.1
\0.1	-0.1		·V.1	-0.1	
< 0.1	< 0.1	<0.1	< 0.1	< 0.1	< 0.1
< 0.1	< 0.1	< 0.1	< 0.1	<0.1	< 0.1
< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
< 0.1	< 0.1	<0.1	<0.1	<0.1	<0.1
< 0.1	< 0.1	<0.1	<0.1	<0.1	<0.1
		.0.4	.0.4	-0.1	<0.1
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
-0.1	-0.1	<0.1	<0.1	<0.1	<0.1
<0.1	<0.1	<0.1	~0.1	\0.1	~0.1
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
·0.1	٠٠.١	-0.1	-0.1		
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

< 0.1	<0.1	<0.1	< 0.1	<0.1	<0.1
< 0.1	< 0.1	< 0.1	<0.1	< 0.1	<0.1
< 0.1	<0.1	< 0.1	<0.1	<0.1	<0.1
< 0.1	<0.1	<0.1	<0.1	<0.1	<0.1
			-0.1	-0.1	-0.1
< 0.1	<0.1	<0.1	<0.1	<0.1	<0.1
-O 1	z0.1	-0.1	<0.1	<0.1	<0.1
<0.1	<0.1	<0.1	<0.1	\0.1	
	36097-73 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	36097-73 36097-74 <0.1	36097-73 36097-74 36097-75 <0.1	36097-73 36097-74 36097-75 36097-76 <0.1	36097-73 36097-74 36097-75 36097-76 36097-77 <0.1

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Results:						
Sample ID	W3-S R4	W3-M R4	W3-B R4	W4-S R4	W4-M R4	W4-B R4
Sample No.	36097-79	36097-80	36097-81	36097-82	36097-83	36097-84
Naphthalene	<0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
(NAP), μg/L	~0.1	\0.1	~0.1	٧٠.١	-0.1	
Acenaphthylene	<0.1	<0.1	<0.1	<0.1	<0,1	< 0.1
(ANY) , μg/L	-0.1					
Acenaphthene	<0.1	<0.1	< 0.1	<0.1	< 0.1	< 0.1
(ANA) , μg/L						
Fluorene	<0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
(FLU), μg/L						
Phenanthrene	< 0.1	< 0.1	<0.1	<0.1	<0.1	< 0.1
(PHE) , μg/L Anthracene						
(ANT), µg/L	< 0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
Fluoranthene						
(FLT), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)Anthracene				.0.1	-0.1	<0.1
(BaA), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(CHR), µg/L	<0.1	<0.1	V 0.1	V0.1	<0.1	\0.1
Pyrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(PYR), μg/L	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	50.1	VO.1	40.1	-0.1	
Benzo(b)Fluoranthene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BbF), μg/L	-0.1	-0.1		-		
Benzo(a)Pyrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BaP), μg/L						
Benzo(k) Fluoranthene	<0.1	<0.1	< 0.1	< 0.1	<0.1	<0.1
(BkF), μg/L						
Indeno(1,2,3-cd)pyrene	< 0.1	<0.1	< 0.1	<0.1	< 0.1	< 0.1
(IPY), μg/L	1					
Dibenz(a,h)anthracene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(DBA), μg/L Benzo(g,h,i)Perylene			 			
(BPE), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BrE), µg/L	1	1	1			1

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Results:						
Sample ID	W5-S R4	W5-M R4	W5-B R4	W6-S R4	W6-M R4	W6-B R4
Sample No.	36097-85	36097-86	36097-87	36097-88	36097-89	36097-90
Naphthalene	<0.1	<0.1	<0.1	<0.1	< 0.1	<0.1
(NAP), μg/L	~0.1	\0.1	\0. 1	٠٠.١	-0.1	
Acenaphthylene	<0.1	<0.1	<0.1	<0.1	< 0.1	< 0.1
(ANY), μg/L	-0.1					
Acenaphthene	<0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
(ANA) , μg/L	011					
Fluorene	<0.1	<0.1	<0.1	< 0.1	< 0.1	< 0.1
(FLU) , μg/L						
Phenanthrene	<0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
(PHE) , μg/L						
Anthracene	<0.1	< 0.1	< 0.1	<0.1	<0.1	< 0.1
(ANT), μg/L						
Fluoranthene	<0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
(FLT), μg/L					_	
Benzo(a)Anthracene	<0.1	< 0.1	<0.1	< 0.1	< 0.1	< 0.1
(BaA) , μg/L						
Chrysene	< 0.1	< 0.1	< 0.1	<0.1	< 0.1	<0.1
(CHR), μg/L						
Pyrene	< 0.1	<0.1	< 0.1	< 0.1	<0.1	< 0.1
(PYR), μg/L						
Benzo(b)Fluoranthene	<0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
(BbF), μg/L						
Benzo(a)Pyrene	<0.1	< 0.1	<0.1	< 0.1	< 0.1	<0.1
(BaP) , μg/L						
Benzo(k) Fluoranthene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
(BkF), μg/L						
Indeno(1,2,3-cd)pyrene	< 0.1	<0.1	< 0.1	<0.1	<0.1	< 0.1
(IPY), μg/L				1		
Dibenz(a,h)anthracene	<0.1	< 0.1	< 0.1	< 0.1	<0.1	<0.1
(DBA), μg/L	-		1		-	-
Benzo(g,h,i)Perylene (BPE), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

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					W8-B R4
36097-91	36097-92	36097-93	36097-94	36097-95	36097-96
<0.1	<0.1	<0.1	<0.1	< 0.1	< 0.1
~0.1	٠٠.١	-0.1	-0.1	• • • • • • • • • • • • • • • • • • • •	
< 0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
< 0.1	<0.1	< 0.1	<0.1	< 0.1	< 0.1
<0.1	<0.1	< 0.1	< 0.1	<0.1	< 0.1
< 0.1	< 0.1	< 0.1	<0.1	<0.1	< 0.1
<0.1	< 0.1	< 0.1	<0.1	<0.1	< 0.1
<0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
<0.1	< 0.1	<0.1	< 0.1	<0.1	< 0.1
< 0.1	< 0.1	<0.1	<0.1	<0.1	< 0.1
< 0.1	<0.1	< 0.1	<0.1	<0.1	<0.1
< 0.1	< 0.1	<0.1	< 0.1	<0.1	<0.1
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	<u> </u>				
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
					.0.1
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
				.0.1	-0.1
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		.0.1	.0.1	-0.1	-0.1
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	<0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	36097-91 36097-92 <0.1	36097-91 36097-92 36097-93 <0.1	36097-91 36097-92 36097-93 36097-94 <0.1	36097-91 36097-92 36097-93 36097-94 36097-95 <0.1

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Results:						
Sample ID	W1-S R5	W1-M R5	W1-B R5	W2-S R5	W2-M R5	W2-B R5
Sample No.	36097-97	36097-98	36097-99	36097-100	36097-101	36097-102
Naphthalene	<0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
(NAP), μg/L	\0.1	<0.1	40.1	-0.1	-0.1	
Acenaphthylene	<0.1	<0.1	<0.1	<0.1	< 0.1	< 0.1
(ANY) , μg/L						
Acenaphthene	<0.1	<0.1	<0.1	<0.1	< 0.1	< 0.1
(ANA) , μg/L						
Fluorene	<0.1	<0.1	< 0.1	<0.1	< 0.1	< 0.1
(FLU), μg/L						
Phenanthrene	< 0.1	< 0.1	<0.1	< 0.1	< 0.1	<0.1
(PHE) , μg/L						
Anthracene	<0.1	<0.1	<0.1	< 0.1	<0.1	<0.1
(ANT), μg/L Fluoranthene						
	< 0.1	<0.1	< 0.1	<0.1	<0.1	<0.1
(FLT), μg/L Benzo(a)Anthracene						
(BaA), μg/L	< 0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene					.0.1	+0.1
(CHR), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene				.0.1	<0.1	<0.1
(PYR), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b)Fluoranthene	.0.1	40.1	40.1	<0.1	<0.1	<0.1
(BbF), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	\0.1
Benzo(a)Pyrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BaP), μg/L	<0.1	<0.1	-0.1	~0.1	٠٥.1	10.1
Benzo(k) Fluoranthene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BkF), μg/L	V0.1	VO.1	VO.1	10.1	10.1	
Indeno(1,2,3-cd)pyrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(IPY) , μg/L	-0.1	-0.1	-0.1			
Dibenz(a,h)anthracene	<0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
(DBA) , μg/L	-0.1					
Benzo(g,h,i)Perylene	<0.1	<0.1	<0.1	< 0.1	<0.1	<0.1
(BPE) , μg/L		1			1	

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Results:						
Sample ID	W3-S R5	W3-M R5	W3-B R5	W4-S R5	W4-M R5	W4-B R5
Sample No.	36097-103	36097-104	36097-105	36097-106	36097-107	36097-108
Naphthalene	<0.1	<0.1	<0.1	<0.1	< 0.1	<0.1
(NAP), μg/L	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	-0.1		-0.1	0.1	
Acenaphthylene	<0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
(ANY), μg/L						
Acenaphthene	< 0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
(ANA), µg/L Fluorene						
(FLU), μg/L	<0.1	< 0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene						
(PHE), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene		.0.1	-0.1	<0.1	<0.1	<0.1
(ANT), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	\0.1
Fluoranthene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(FLT) , μg/L	V0.1	₹0.1	₹0.1	VO.1	VO.1	-0.1
Benzo(a)Anthracene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BaA) , μg/L	·0.1					
Chrysene	<0.1	<0.1	<0.1	< 0.1	<0.1	<0.1
(CHR), μg/L						
Pyrene	< 0.1	<0.1	< 0.1	<0.1	<0.1	<0.1
(PYR), μg/L Benzo(b)Fluoranthene						
(BbF), μg/L	< 0.1	< 0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)Pyrene						
(BaP), μg/L	<0.1	<0.1	<0.1	< 0.1	<0.1	<0.1
Benzo(k) Fluoranthene			-0.1	-0.1	-0.1	<0.1
(BkF), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(IPY), μg/L	<0.1	\0.1	~0.1	₹0.1	\0.1	VO.1
Dibenz(a,h)anthracene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(DBA), μg/L	-0.1	70.1	-0,1	-0.1		
Benzo(g,h,i)Perylene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BPE), μg/L						L

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Results:

Results:						
Sample ID	W5-S R5	W5-M R5	W5-B R5	W6-S R5	W6-M R5	W6-B R5
Sample No.	36097-109	36097-110	36097-111	36097-112	36097-113	36097-114
Naphthalene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(NAP), μg/L	\0.1		٠٥.1	-0.1		
Acenaphthylene	< 0.1	<0.1	<0.1	<0.1	< 0.1	< 0.1
(ANY), μg/L						
Acenaphthene	< 0.1	<0.1	< 0.1	<0.1	< 0.1	<0.1
(ANA) , μg/L						
Fluorene	<0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
(FLU) , μg/L						
Phenanthrene	< 0.1	<0.1	<0.1	<0.1	< 0.1	<0.1
(PHE) , μg/L Anthracene						
(ANT), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene					-0.1	-0.1
(FLT), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)Anthracene	.0.1	-0.1	<0.1	<0.1	<0.1	<0.1
(BaA), μg/L	<0.1	<0.1	<0.1	<0.1	\\\ 0.1	~0.1
Chrysene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(CHR), μg/L	\0.1	₹0.1	₹0.1	VO.1	30.1	-0.1
Pyrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(PYR), μg/L	-0.1	-0.1				
Benzo(b)Fluoranthene	<0.1	<0.1	<0.1	<0.1	< 0.1	<0.1
(BbF) , μg/L	0,1					
Benzo(a)Pyrene	<0.1	<0.1	< 0.1	<0.1	< 0.1	< 0.1
(BaP), μg/L						
Benzo(k) Fluoranthene	<0.1	< 0.1	<0.1	<0.1	<0.1	< 0.1
(BkF), μg/L						
Indeno(1,2,3-cd)pyrene	<0.1	<0.1	<0.1	<0.1	< 0.1	<0.1
(IPY), μg/L Dibenz(a,h)anthracene						
(DBA), µg/L	< 0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)Perylene			-0.1	10.1	r0 1	-0.1
(BPE), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(2.2), 12						

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Results:			W/Z D D Z	IVO C D C	WO M DC	We D.P.
Sample ID	W7-S R5	W7-M R5	W7-B R5	W8-S R5	W8-M R5	W8-B R5
Sample No.	36097-115	36097-116	36097-117	36097-118	36097-119	36097-120
Naphthalene (NAP), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene (ANY), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene (ANA), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene (FLU), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene (PHE), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene (ANT), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene (FLT), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)Anthracene (BaA), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene (CHR), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene (PYR), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b)Fluoranthene (BbF), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)Pyrene (BaP), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k) Fluoranthene (BkF), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene (IPY), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenz(a,h)anthracene (DBA), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)Perylene (BPE), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Remarks: 1) \leq = less than



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Results:						
Sample ID	W1-S R6	W1-M R6	W1-B R6	W2-S R6	W2-M R6	W2-B R6
Sample No.	36097-121	36097-122	36097-123	36097-124	36097-125	36097-126
Naphthalene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(NAP), μg/L	٦٥.1		-0.1	-0.1		
Acenaphthylene	<0.1	<0.1	<0.1	< 0.1	<0.1	<0.1
(ANY), µg/L						
Acenaphthene	< 0.1	<0.1	< 0.1	< 0.1	< 0.1	<0.1
(ANA), μg/L Fluorene						
Fluorene (FLU), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene						
(PHE), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene				-0.1	-0.1	<0.1
(ANT), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(FLT), μg/L	<0.1	\\0.1	V.1	\0.1	\0.1	٧٥.١
Benzo(a)Anthracene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BaA) , μg/L	\0.1	-0.1	30.1	-0.1	V.1	
Chrysene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(CHR), μg/L						
Pyrene	<0.1	< 0.1	<0.1	< 0.1	< 0.1	< 0.1
(PYR), μg/L				<u> </u>		
Benzo(b)Fluoranthene	< 0.1	< 0.1	<0.1	<0.1	< 0.1	<0.1
(BbF), μg/L Benzo(a)Pyrene						
(BaP), µg/L	<0.1	<0.1	<0.1	< 0.1	<0.1	< 0.1
Benzo(k) Fluoranthene						-0.1
(BkF), ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene		1	-0.1	-0.1	<0.1	<0.1
(IPY) , μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	~0.1
Dibenz(a,h)anthracene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(DBA), μg/L	\\\ \O.1	\0.1	-0.1	~0.1	-0.1	-0.1
Benzo(g,h,i)Perylene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BPE) , μg/L	-0.1	10.1				

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Results	::

Sample ID	W3-S R6	W3-M R6	W3-B R6	W4-S R6	W4-M R6	W4-B R6
Sample No.	36097-127	36097-128	36097-129	36097-130	36097-131	36097-132
Naphthalene (NAP), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene (ANY), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene (ANA), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene (FLU), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene (PHE), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene (ANT), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene (FLT), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)Anthracene (BaA), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene (CHR), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene (PYR), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b)Fluoranthene (BbF), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)Pyrene (BaP), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k) Fluoranthene (BkF), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene (IPY), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenz(a,h)anthracene (DBA), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)Perylene (BPE), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Remarks: 1) <= less than



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Sample No. 36097-133 36097-134 36097-135 36097-136 36097-137 36097-138 Naphthalene (NAP), μg/L <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	Results:						
Sample No. Society	Sample ID	W5-S R6				.,	
(NAP), μg/L Acenaphthylene (ANY), μg/L Acenaphthylene (ANA), μg/L Fluorene (FLU), μg/L Anthracene (ANT), μg/L Fluoranthene (ANT), μg/L Fluoranthene (ANT), μg/L Chrysene (CHR),	Sample No.	36097-133	36097-134	36097-135	36097-136	36097-137	36097-138
(NAP), µg/L Acenaphthylene (ANN), µg/L Acenaphthene (ANN), µg/L Acenaphthene (ANN), µg/L Acenaphthene (ANN), µg/L Fluorene (FLU), µg/L Phenanthrene (PHE), µg/L Anthracene (PHE), µg/L Fluoranthene (FLT), µg/L Fluoranthene (PHE), µg/L Anthracene (ANT), µg/L Fluoranthene (ANT), µg/L Fluoranthene (ANT), µg/L Senzo(a)Anthracene (BaA), µg/L Chrysene (CHR), µg/L Pyrene (CHR), µg/L Pyrene (PYR), µg/L Senzo(b)Fluoranthene (Box), µg/L	Naphthalene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(ANY), µg/L Acenaphthene (ANA), µg/L Fluorene (FLU), µg/L Phenanthrene (PHE), µg/L Anthracene (ANT), µg/L Fluoranthene (ANT), µg/L Fluoranthene (FLU), µg/L Chrysene (CHR), µg/L Chrysene (CHR), µg/L Pyrene (PYR), µg/L Phenanthrene (ANT), µg/L Chrysene (CHR), µg/L Senzo(a)Anthracene (BbF), µg/L Chrysene (CHR), µg/L Chrysene (CHR), µg/L Chrysene (CHR), µg/L Chrysene (ANT), µg/L Chrysell Chrysene (ANT), µg/L Chrysell Chrysene (ANT), µg/L Chrysell Chrysene (ANT), µg/L Chrysell Chrysell Chrysell Chrysell Chrysene (ANT), µg/L Chrysell Chrysell Chrysell Chrysell Chrysell Chryell Chrysell Chrysell Chrysell Chrysell Chrysell Chryell Chrysell							
Acenaphthene (ANA), μg/L <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1		<0.1	<0.1	<0.1	<0.1	< 0.1	<0.1
(ANA), µg/L Fluorene (FLU), µg/L Phenanthrene (PHE), µg/L Anthracene (ANT), µg/L Fluoranthene (ANT), µg/L Fluoranthene (BaA), µg/L Chrysene (CHR), µg/L Chrysene (CHR), µg/L Benzo(a)Pyrene (BbF), µg/L Benzo(a)Pyrene (BbF), µg/L Chrysene (BoF), µg/L Chrysene (CHR), µg/L Chryene (CHR)							
Fluorene (FLU), µg/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(FLU) , μg/L Phenanthrene (PHE) , μg/L Anthracene (ANT) , μg/L Chrysene (CHR) , μg/L Ch	Fluorene	-0.1	<0.1	-O 1	<0.1	<0.1	<0.1
(PHE) , μg/L <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	(FLU), μg/L	<0.1	<0.1	<0.1	\0.1	₹0.1	₹0.1
(PHE), μg/L Anthracene (ANT), μg/L Fluoranthene (FLT), μg/L Senzo(a)Anthracene (BaA), μg/L Chrysene (CHR), μg/L Pyrene (PYR), μg/L Senzo(b)Fluoranthene (BbF), μg/L Senzo(a)Pyrene (Bell), μg/L Control (CHR), μg/L Control (CHR)	Phenanthrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(ANT), μg/L Fluoranthene (FLT), μg/L Benzo(a)Anthracene (BaA), μg/L Chrysene (CHR), μg/L Pyrene (CHR), μg/L Benzo(b)Fluoranthene (BbF), μg/L Benzo(a)Pyrene (BaP), μg/L Co.1 Co.1 Co.1 Co.1 Co.1 Co.1 Co.1 Co.1		-0.1		711			
Fluoranthene (FLT), µg/L		<0.1	< 0.1	< 0.1	< 0.1	<0.1	<0.1
(FLT), μg/L 20.1							
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BaA), µg/L Chrysene (CHR), µg/L Pyrene (CHR), µg/L Condition of the property			-0.1	-0.1	<0.1	<0.1	<0.1
(CHR), μg/L Q.1 Q.1 <t< td=""><td></td><td><0.1</td><td><0.1</td><td><0.1</td><td><0.1</td><td>V0.1</td><td><0.1</td></t<>		<0.1	<0.1	<0.1	<0.1	V0.1	<0.1
(CHR), μg/L Pyrene (PYR), μg/L Benzo(b)Fluoranthene (BbF), μg/L Benzo(a)Pyrene (BaP), μg/L Benzo(k) Fluoranthene (BaP), μg/L Benzo(k) Fluoranthene (BkF), μg/L Indeno(1,2,3-cd)pyrene (PYR), μg/L Dibenzo(a)Pyrene (α).1 α0.1 α0.1 α0.1 α0.1 α0.1 α0.1 α0.1 α0	Chrysene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(PYR), μg/L O.1 O.1 <t< td=""><td></td><td>-0.1</td><td>10.1</td><td>-</td><td></td><td></td><td></td></t<>		-0.1	10.1	-			
Benzo(b)Fluoranthene (BbF), µg/L		<0.1	< 0.1	< 0.1	<0.1	< 0.1	<0.1
(BbF), µg/L							
Benzo(a)Pyrene Col.		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(BaP), µg/L Benzo(k) Fluoranthene (BkF), µg/L Indeno(1,2,3-cd)pyrene (IPY), µg/L Dibenz(a,h)anthracene (DBA), µg/L Benzo(g,h,i)Perylene <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 0.1 0.1 0.1 0.1		.0.1	-0.1	-O.1	<0.1	-0.1	<0.1
(BkF), µg/L Q.1 Q.1 <th< td=""><td></td><td><0.1</td><td><0.1</td><td><0.1</td><td><0.1</td><td><0.1</td><td>V0.1</td></th<>		<0.1	<0.1	<0.1	<0.1	<0.1	V0.1
(BkF), μg/L Indeno(1,2,3-cd)pyrene (IPY), μg/L Dibenz(a,h)anthracene (DBA), μg/L Benzo(g,h,i)Perylene <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
(IPY), µg/L		V0.1	10.1	-0.1	1		
Dibenz(a,h)anthracene (DBA), µg/L <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	1	< 0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
(DBA), µg/L							
Benzo(g,h,i)Perylene <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	1 ' ' '	< 0.1	< 0.1	<0.1	<0.1	<0.1	<0.1
			+	-0.1	-0.1	-0.1	<0.1
	(BPE), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Remarks: 1) <= less than

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TEST REPORT

Report No.:	36097C
Date of Issue:	2021-12-31
Date Received:	2021-12-15
Date Tested:	2021-12-15
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R	06		ltc	
K	H.	ш	IIIS	:

Results:						
Sample ID	W7-S R6	W7-M R6	W7-B R6	W8-S R6	W8-M R6	W8-B R6
Sample No.	36097-139	36097-140	36097-141	36097-142	36097-143	36097-144
Naphthalene (NAP), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene (ANY), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene (ANA), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene (FLU), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene (PHE), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene (ANT), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene (FLT) , μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)Anthracene (BaA), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene (CHR), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene (PYR), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b)Fluoranthene (BbF), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)Pyrene (BaP), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k) Fluoranthene (BkF), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene (IPY), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenz(a,h)anthracene (DBA), μg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)Perylene (BPE), µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1



TEST REPORT

APPLICANT: SUEZ NWS Limited

Room 702, 7/F, Lee Garden Two,

28 Yun Ping Road, Causeway Bay, Hong Kong

36097D Report No.: Date of Issue: 2021-12-31 2021-12-15 Date Received: 2021-12-15 Date Tested: Date Completed: 2021-12-31

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ATTN:

Mr. Cyrus Fung

Sample Description : 144 liquid samples as received from customer said to be seawater

Laboratory No. : 36097D Sampling Date : 2021-12-15

Test Re	quested & Methodology:		
Item	Parameters	Ref. Method	Limit of Reporting
1	2,4'-Dichlorobiphenyl (PCB8)	In-house method SOP 087	0.02 μg/L
2	2,2',5-Trichlorobiphenyl (PCB18)	(GC/MSD)	0.02 μg/L
3	2,4,4'-Trichlorobiphenyl (PCB28)		0.02 μg/L
4	2,2',3,5'-Tetrachlorobiphenyl (PCB44)		0.02 μg/L
5	2,2',5,5'-Tetrachlorobiphenyl (PCB52)	t in	0.02 μg/L
6	2,3',4,4'-Tetrachlorobiphenyl (PCB66)		0.02 μg/L
7	3,3',4,4'-Tetrachlorobiphenyl (PCB77)		0.02 μg/L
8	3,4,4',5-Tetrachlorobiphenyl (PCB81)		0.02 μg/L
9	2,2',4,5,5'-Pentachlorobiphenyl (PCB101)		0.02 μg/L
10	2,3,3',4,4'-Pentachlorobiphenyl (PCB105)		0.02 μg/L
11	2,3,4,4',5-Pentachlorobiphenyl (PCB114)		0.02 μg/L
12	2,3',4,4',5-Pentachlorobiphenyl (PCB118)		0.02 μg/L
13	2',3,4,4',5-Pentachlorobiphenyl (PCB123)		0.02 μg/L
14	3,3',4,4',5-Pentachlorobiphenyl (PCB126)		0.02 μg/L
15	2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128)		0.02 μg/L
16	2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138)		0.02 μg/L
17	2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153)		0.02 μg/L
18	2,3,3',4,4',5-Hexachlorobiphenyl (PCB156)		0.02 μg/L
19	2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157)		0.02 μg/L
20	2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167)		0.02 μg/L
21	3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169)		0.02 μg/L
22	2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170)		0.02 μg/L
23	2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180)		0.02 μg/L
24	2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187)		0.02 μg/L
25	2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189)		0.02 μg/L

************************* PREPARED AND CHECKED BY:

For and On Behalf of WELLAB Ltd.

General Manager

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TEST REPORT

I	Report No.:	36097D
ı	Date of Issue:	2021-12-31
ı	Date Received:	2021-12-15
ı	Date Tested:	2021-12-15
ı	Date Completed:	2021-12-31

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Results:	P	age:	2 of 49
Sample ID	W1-S R1	W1-M R1	W1-B R1
Sample No.	36097-1	36097-2	36097-3
2,4'-Dichlorobiphenyl (PCB8), µg/L	< 0.02	< 0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), µg/L	< 0.02	<0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	< 0.02	< 0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	< 0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	<0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	<0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
$2,2',3,3',4,4'$ -Hexachlorobiphenyl (PCB128), μ g/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138) , μ g/L	<0.02	<0.02	<0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153) , $\mu g/L$	< 0.02	<0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156) , μg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	<0.02	<0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), μg/L	<0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169) , μ g/L	< 0.02	<0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	< 0.02	< 0.02	< 0.02
$2,2',3,4,4',5,5'$ -Heptachlorobiphenyl (PCB180) , $\mu g/L$	<0.02	<0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	<0.02	<0.02	<0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	< 0.02	< 0.02	< 0.02

Remarks: 1) <= less than



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 2021-12-31

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 2021-12-15

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Resu	lts:
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Sample ID	W2-S R1	W2-M R1	W2-B R1
Sample No.	36097-4	36097-5	36097-6
2,4'-Dichlorobiphenyl (PCB8), μg/L	< 0.02	< 0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), µg/L	< 0.02	<0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	<0.02	<0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	< 0.02	<0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	< 0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	<0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	< 0.02	<0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), µg/L	< 0.02	< 0.02	<0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	<0.02	< 0.02	<0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), µg/L	< 0.02	<0.02	<0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	<0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	< 0.02	< 0.02	<0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), μg/L	<0.02	<0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187) , μg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), µg/L	< 0.02	<0.02	< 0.02

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Sample No. 2,4'-Dichlorobiphenyl (PCB8), µg/L 2,2',5-Trichlorobiphenyl (PCB18) , µg/L	36097-7 <0.02 <0.02 <0.02	36097-8 <0.02 <0.02	36097-9 <0.02
	<0.02		< 0.02
2,2',5-Trichlorobiphenyl (PCB18), µg/L		< 0.02	
	< 0.02	.0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), μg/L		<0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), μg/L	< 0.02	< 0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), μg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), μg/L	< 0.02	<0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	<0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	<0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	<0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	<0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	<0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), μg/L	< 0.02	< 0.02	<0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), μg/L	< 0.02	<0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), μg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156) , μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), μg/L	<0.02	<0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), μg/L	<0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	<0.02	<0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189) , μg/L	< 0.02	< 0.02	< 0.02



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Results:			
Sample ID	W4-S R1	W4-M R1	W4-B R1
Sample No.	36097-10	36097-11	36097-12
2,4'-Dichlorobiphenyl (PCB8), µg/L	< 0.02	< 0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), μg/L	< 0.02	<0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	< 0.02	< 0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	<0.02	< 0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	<0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114) , μg/L	< 0.02	<0.02	<0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	<0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	<0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	<0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	<0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	<0.02	<0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02	<0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170) , μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180) , μg/L	< 0.02	<0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	< 0.02	< 0.02	< 0.02

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W5-S R1	W5-M R1	W5-B R1
36097-13	36097-14	36097-15
<0.02	< 0.02	< 0.02
< 0.02	< 0.02	< 0.02
< 0.02	< 0.02	< 0.02
< 0.02	< 0.02	<0.02
< 0.02	< 0.02	< 0.02
< 0.02	< 0.02	<0.02
< 0.02	< 0.02	< 0.02
< 0.02	< 0.02	< 0.02
< 0.02	< 0.02	<0.02
< 0.02	< 0.02	< 0.02
< 0.02	< 0.02	< 0.02
< 0.02	<0.02	< 0.02
< 0.02	< 0.02	< 0.02
< 0.02	<0.02	<0.02
< 0.02	<0.02	< 0.02
< 0.02	< 0.02	< 0.02
< 0.02	< 0.02	< 0.02
< 0.02	< 0.02	< 0.02
< 0.02	< 0.02	< 0.02
< 0.02	< 0.02	< 0.02
< 0.02	< 0.02	< 0.02
< 0.02	< 0.02	< 0.02
< 0.02	< 0.02	< 0.02
< 0.02	< 0.02	< 0.02
< 0.02	< 0.02	< 0.02
	36097-13 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02	36097-13 36097-14 <0.02

Remarks: 1) <= less than



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Results:

Sample ID	W6-S R1	W6-M R1	W6-B R1
Sample No.	36097-16	36097-17	36097-18
2,4'-Dichlorobiphenyl (PCB8), µg/L	< 0.02	< 0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18) , μg/L	<0.02	<0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	<0.02	<0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	<0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	<0.02	<0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), μg/L	<0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	<0.02	< 0.02
2,3,4,4°,5-Pentachlorobiphenyl (PCB114), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	<0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), μg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	<0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170) , μg/L	< 0.02	<0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), µg/L	<0.02	<0.02	< 0.02

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Recults

Results:			
Sample ID	W7-S R1	W7-M R1	W7-B R1
Sample No.	36097-19	36097-20	36097-21
2,4'-Dichlorobiphenyl (PCB8), µg/L	< 0.02	< 0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), μg/L	< 0.02	< 0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	< 0.02	< 0.02	<0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), μg/L	<0.02	< 0.02	<0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), μg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	< 0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	< 0.02	<0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	<0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	< 0.02	<0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	<0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	<0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	<0.02	<0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	<0.02	<0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), μg/L	<0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), µg/L	< 0.02	< 0.02	<0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), µg/L	< 0.02	< 0.02	<0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	< 0.02	<0.02	<0.02



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Results:			
Sample ID	W8-S R1	W8-M R1	W8-B R1
Sample No.	36097-22	36097-23	36097-24
2,4'-Dichlorobiphenyl (PCB8), μg/L	<0.02	<0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), µg/L	< 0.02	< 0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), µg/L	< 0.02	<0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	< 0.02	<0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	<0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	<0.02	<0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	<0.02	< 0.02	<0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	<0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	<0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	<0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	<0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	< 0.02	<0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), μg/L	< 0.02	<0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), µg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), µg/L	< 0.02	<0.02	< 0.02

Remarks: 1) <= less than ******************************

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Results:			
Sample ID	W1-S R2	W1-M R2	W1-B R2
Sample No.	36097-25	36097-26	36097-27
2,4'-Dichlorobiphenyl (PCB8), μg/L	< 0.02	<0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), μg/L	< 0.02	< 0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	<0.02	< 0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	<0.02	<0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	< 0.02	<0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	<0.02	< 0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	<0.02	<0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	<0.02	<0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	< 0.02	<0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	< 0.02	<0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	<0.02	<0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	<0.02	< 0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180) , μg/L	<0.02	<0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	<0.02	<0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), µg/L	<0.02	<0.02	<0.02

Remarks: 1) <= less than



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Results:	r	age:	11 01 49
Sample ID	W2-S R2	W2-M R2	W2-B R2
Sample No.	36097-28	36097-29	36097-30
2,4'-Dichlorobiphenyl (PCB8), µg/L	< 0.02	<0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), µg/L	< 0.02	< 0.02	<0.02
2,4,4'-Trichlorobiphenyl (PCB28) , μg/L	< 0.02	< 0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	< 0.02	<0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	<0.02	<0.02	<0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	<0.02	<0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	< 0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), μg/L	< 0.02	<0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02	<0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), μg/L	< 0.02	<0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170) , μg/L	<0.02	< 0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), μg/L	<0.02	< 0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	<0.02	<0.02	< 0.02

Remarks: 1) <= less than

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Results:	P	Page:	
Sample ID	W3-S R2	W3-M R2	W3-B R2
Sample No.	36097-31	36097-32	36097-33
2,4'-Dichlorobiphenyl (PCB8), μg/L	<0.02	<0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), µg/L	< 0.02	<0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	< 0.02	< 0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	< 0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), μg/L	< 0.02	<0.02	<0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	< 0.02	<0.02	<0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	<0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	<0.02	<0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170) , μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180) , μg/L	<0.02	<0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	< 0.02	<0.02	< 0.02

Remarks: 1) <= less than



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Results:

Results:	W4-S R2	W4-M R2	W4-B R2
Sample ID		36097-35	36097-36
Sample No.	36097-34		
2,4'-Dichlorobiphenyl (PCB8), µg/L	<0.02	<0.02	<0.02
2,2',5-Trichlorobiphenyl (PCB18), µg/L	<0.02	<0.02	<0.02
2,4,4'-Trichlorobiphenyl (PCB28), µg/L	< 0.02	<0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	<0.02	< 0.02	<0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	<0.02	<0.02	<0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), μg/L	< 0.02	<0.02	<0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	< 0.02	<0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	<0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), µg/L	< 0.02	<0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	<0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	<0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), μg/L	< 0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), µg/L	< 0.02	<0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	<0.02	<0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), µg/L	< 0.02	<0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), µg/L	<0.02	< 0.02	<0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), µg/L	<0.02	<0.02	<0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), µg/L	<0.02	<0.02	< 0.02

Remarks: 1) \leq = less than ********************************

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Sample ID	W5-S R2	W5-M R2	W5-B R2
Sample No.	36097-37	36097-38	36097-39
2,4'-Dichlorobiphenyl (PCB8), μg/L	< 0.02	< 0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18) , μg/L	<0.02	< 0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), µg/L	< 0.02	<0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	<0.02	< 0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	< 0.02	<0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	< 0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), μg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	<0.02	<0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114) , μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	<0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	<0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), µg/L	<0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	<0.02	<0.02	<0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180) , μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	< 0.02	< 0.02	< 0.02



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Results:

Sample ID	W6-S R2	W6-M R2	W6-B R2
Sample No.	36097-40	36097-41	36097-42
2,4'-Dichlorobiphenyl (PCB8), µg/L	< 0.02	< 0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), µg/L	<0.02	< 0.02	<0.02
2,4,4'-Trichlorobiphenyl (PCB28), µg/L	<0.02	< 0.02	<0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	< 0.02	<0.02	<0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	<0.02	< 0.02	<0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	<0.02	<0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	<0.02	<0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	<0.02	<0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), μg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	<0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	<0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	<0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	<0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	<0.02	< 0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), μg/L	<0.02	< 0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	< 0.02	<0.02	< 0.02

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Results:			
Sample ID	W7-S R2	W7-M R2	W7-B R2
Sample No.	36097-43	36097-44	36097-45
2,4'-Dichlorobiphenyl (PCB8), μg/L	< 0.02	<0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), µg/L	< 0.02	< 0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), µg/L	<0.02	< 0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	<0.02	<0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	< 0.02	<0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	<0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), μg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	<0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	<0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167) , μg/L	<0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170) , μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), μg/L	<0.02	< 0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	< 0.02	< 0.02	< 0.02



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Results:			
Sample ID	W8-S R2	W8-M R2	W8-B R2
Sample No.	36097-46	36097-47	36097-48
2,4'-Dichlorobiphenyl (PCB8), μg/L	< 0.02	< 0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), μg/L	< 0.02	<0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), μg/L	< 0.02	<0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	<0.02	<0.02	<0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), μg/L	< 0.02	<0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	<0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	<0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), µg/L	< 0.02	<0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	<0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	< 0.02	<0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	<0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), μg/L	<0.02	< 0.02	<0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	<0.02	< 0.02	<0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	<0.02	< 0.02	<0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), μg/L	< 0.02	<0.02	<0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), µg/L	<0.02	< 0.02	<0.02

Remarks: 1) <= less than

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TEST REPORT

Report No.:	36097D
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Results:	T		
Sample ID	W1-S R3	W1-M R3	W1-B R3
Sample No.	36097-49	36097-50	36097-51
2,4'-Dichlorobiphenyl (PCB8), μg/L	<0.02	<0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), µg/L	< 0.02	< 0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), µg/L	< 0.02	<0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	< 0.02	<0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	<0.02	<0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	< 0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	<0.02	<0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	<0.02	< 0.02	<0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), μg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	<0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128) , μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157) , μg/L	<0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), μg/L	<0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170) , μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), μg/L	< 0.02	<0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	< 0.02	< 0.02	< 0.02



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Results:	Page;		19 01 49	
Sample ID	W2-S R3	W2-M R3	W2-B R3	
Sample No.	36097-52	36097-53	36097-54	
2,4'-Dichlorobiphenyl (PCB8), μg/L	< 0.02	< 0.02	<0.02	
2,2',5-Trichlorobiphenyl (PCB18), µg/L	<0.02	< 0.02	<0.02	
2,4,4'-Trichlorobiphenyl (PCB28), µg/L	< 0.02	< 0.02	< 0.02	
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	<0.02	<0.02	< 0.02	
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	<0.02	< 0.02	<0.02	
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	< 0.02	<0.02	< 0.02	
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	<0.02	< 0.02	
3,4,4',5-Tetrachlorobiphenyl (PCB81), μg/L	< 0.02	< 0.02	<0.02	
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	<0.02	< 0.02	
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), μg/L	< 0.02	< 0.02	< 0.02	
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	< 0.02	< 0.02	< 0.02	
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	<0.02	< 0.02	< 0.02	
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	< 0.02	<0.02	
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02	
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02	
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	< 0.02	< 0.02	
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	< 0.02	< 0.02	
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	< 0.02	< 0.02	< 0.02	
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02	< 0.02	< 0.02	
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), µg/L	< 0.02	<0.02	< 0.02	
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	< 0.02	< 0.02	
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	< 0.02	< 0.02	< 0.02	
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), μg/L	<0.02	< 0.02	< 0.02	
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	<0.02	< 0.02	<0.02	
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	< 0.02	< 0.02	< 0.02	

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Sample ID	W3-S R3	W3-M R3	W3-B R3
Sample No.	36097-55	36097-56	36097-57
2,4'-Dichlorobiphenyl (PCB8), µg/L	< 0.02	< 0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), µg/L	< 0.02	< 0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), µg/L	< 0.02	<0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	<0.02	<0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	<0.02	< 0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	< 0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), μg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	<0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	< 0.02	< 0.02	< 0.02
$2,2',3,4,4',5,5'$ -Heptachlorobiphenyl (PCB180) , μ g/L	<0.02	< 0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187) , $\mu g/L$	<0.02	<0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), µg/L	<0.02	< 0.02	< 0.02

Remarks: 1) <= less than



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Results:			
Sample ID	W4-S R3	W4-M R3	W4-B R3
Sample No.	36097-58	36097-59	36097-60
2,4'-Dichlorobiphenyl (PCB8), µg/L	< 0.02	<0.02	<0.02
2,2',5-Trichlorobiphenyl (PCB18), µg/L	< 0.02	<0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), µg/L	< 0.02	<0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	< 0.02	< 0.02	<0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	< 0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	<0.02	<0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	<0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	<0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), μg/L	<0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	<0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), µg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	< 0.02	< 0.02	< 0.02

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Results:			
Sample ID	W5-S R3	W5-M R3	W5-B R3
Sample No.	36097-61	36097-62	36097-63
2,4'-Dichlorobiphenyl (PCB8), μg/L	< 0.02	< 0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), µg/L	< 0.02	<0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	< 0.02	< 0.02	<0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	<0.02	<0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	< 0.02	<0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77) , μg/L	< 0.02	< 0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), μg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), μg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	<0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	<0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157) , μg/L	<0.02	< 0.02	<0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	<0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170) , μg/L	<0.02	< 0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180) , μg/L	<0.02	<0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187) , μg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	< 0.02	< 0.02	< 0.02

Remarks: 1) <= less than



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Results:			
Sample ID	W6-S R3	W6-M R3	W6-B R3
Sample No.	36097-64	36097-65	36097-66
2,4'-Dichlorobiphenyl (PCB8), µg/L	<0.02	<0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), μg/L	<0.02	<0.02	<0.02
2,4,4'-Trichlorobiphenyl (PCB28), μg/L	<0.02	<0.02	<0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	< 0.02	<0.02	<0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	<0.02	<0.02	<0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	< 0.02	<0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	<0.02	<0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	<0.02	<0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	<0.02	< 0.02	<0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	<0.02	< 0.02	<0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	< 0.02	<0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	<0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	<0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	< 0.02	<0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180) , μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	<0.02	< 0.02	<0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189) , μg/L	< 0.02	< 0.02	< 0.02

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Results: Sample ID	W7-S R3	W7-M R3	W7-B R3
Sample No.	36097-67	36097-68	36097-69
2,4'-Dichlorobiphenyl (PCB8), μg/L	<0.02	<0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), µg/L	<0.02	< 0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), µg/L	< 0.02	<0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	< 0.02	<0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	<0.02	<0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), μg/L	< 0.02	<0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	< 0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	<0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), μg/L	< 0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), μg/L	<0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	<0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	<0.02	< 0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), μg/L	<0.02	<0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	< 0.02	< 0.02	< 0.02

Remarks: 1) <= less than **************************



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Result	ts:
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Results:			,
Sample ID	W8-S R3	W8-M R3	W8-B R3
Sample No.	36097-70	36097-71	36097-72
2,4'-Dichlorobiphenyl (PCB8), µg/L	< 0.02	<0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), μg/L	< 0.02	< 0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28) , μg/L	< 0.02	< 0.02	< 0.02
2,2°,3,5°-Tetrachlorobiphenyl (PCB44), µg/L	<0.02	< 0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	< 0.02	<0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	<0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	< 0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), μg/L	<0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	<0.02	< 0.02	<0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	<0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	<0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	<0.02	<0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), μg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), µg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), µg/L	< 0.02	<0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180) , μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), µg/L	< 0.02	<0.02	< 0.02

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Results:

Results:			
Sample ID	W1-S R4	W1-M R4	W1-B R4
Sample No.	36097-73	36097-74	36097-75
2,4'-Dichlorobiphenyl (PCB8), µg/L	< 0.02	< 0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), μg/L	< 0.02	< 0.02	<0.02
2,4,4'-Trichlorobiphenyl (PCB28), μg/L	< 0.02	< 0.02	<0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	<0.02	<0.02	<0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), μg/L	<0.02	< 0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	<0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	<0.02	<0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	<0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	< 0.02	<0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	<0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), μg/L	< 0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), μg/L	<0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	<0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	<0.02	< 0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187) , μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189) , μg/L	< 0.02	< 0.02	< 0.02



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Results:		r	
Sample ID	W2-S R4	W2-M R4	W2-B R4
Sample No.	36097-76	36097-77	36097-78
2,4'-Dichlorobiphenyl (PCB8), μg/L	< 0.02	< 0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), µg/L	< 0.02	<0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), µg/L	< 0.02	<0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	< 0.02	< 0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	<0.02	<0.02	<0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	< 0.02	<0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	<0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	<0.02	<0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), μg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), μg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	<0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	<0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	<0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02	<0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	<0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	<0.02	< 0.02	<0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), µg/L	<0.02	< 0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187) , μg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	< 0.02	<0.02	< 0.02

Remarks: 1) \leq = less than *******************************

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Results:			
Sample ID	W3-S R4	W3-M R4	W3-B R4
Sample No.	36097-79	36097-80	36097-81
2,4'-Dichlorobiphenyl (PCB8), μg/L	< 0.02	< 0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), µg/L	< 0.02	< 0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), µg/L	< 0.02	<0.02	<0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	<0.02	<0.02	<0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	<0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	< 0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	<0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157) , μg/L	<0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	< 0.02	< 0.02	<0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), μg/L	< 0.02	<0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187) , μg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	< 0.02	< 0.02	< 0.02

Remarks: 1) <= less than



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Results:			
Sample ID	W4-S R4	W4-M R4	W4-B R4
Sample No.	36097-82	36097-83	36097-84
2,4'-Dichlorobiphenyl (PCB8), μg/L	< 0.02	< 0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), µg/L	< 0.02	< 0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), µg/L	< 0.02	<0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	< 0.02	< 0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	< 0.02	<0.02	<0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	<0.02	<0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	< 0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	<0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	< 0.02	<0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	<0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	<0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), μg/L	<0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	<0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	<0.02	<0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180) , μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), µg/L	<0.02	< 0.02	< 0.02

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Results:		,	,
Sample ID	W5-S R4	W5-M R4	W5-B R4
Sample No.	36097-85	36097-86	36097-87
2,4'-Dichlorobiphenyl (PCB8), μg/L	< 0.02	< 0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), µg/L	< 0.02	< 0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), μg/L	<0.02	< 0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	<0.02	< 0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	<0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	< 0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	<0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	<0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), μg/L	<0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	< 0.02	<0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), μg/L	<0.02	< 0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	<0.02	< 0.02	< 0.02



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Re	sults:

Results:		1	ı
Sample ID	W6-S R4	W6-M R4	W6-B R4
Sample No.	36097-88	36097-89	36097-90
2,4'-Dichlorobiphenyl (PCB8), µg/L	< 0.02	< 0.02	<0.02
2,2',5-Trichlorobiphenyl (PCB18), μg/L	< 0.02	<0.02	<0.02
2,4,4'-Trichlorobiphenyl (PCB28), µg/L	< 0.02	<0.02	< 0.02
2,2°,3,5°-Tetrachlorobiphenyl (PCB44), μg/L	<0.02	<0.02	< 0.02
2,2°,5,5'-Tetrachlorobiphenyl (PCB52), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), μg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	< 0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	<0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	<0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	<0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), μg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), μg/L	< 0.02	< 0.02	<0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187) , μg/L	< 0.02	<0.02	<0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	< 0.02	<0.02	< 0.02

Remarks: 1) <= less than ******************************

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Results: Sample ID	W7-S R4	W7-M R4	W7-B R4
Sample No.	36097-91	36097-92	36097-93
2,4'-Dichlorobiphenyl (PCB8), μg/L	<0.02	<0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), µg/L	< 0.02	< 0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	< 0.02	< 0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	<0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02	<0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), μg/L	<0.02	<0.02	<0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	<0.02	< 0.02	<0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	< 0.02	< 0.02	< 0.02

Remarks: 1) <= less than



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Results:			
Sample ID	W8-S R4	W8-M R4	W8-B R4
Sample No.	36097-94	36097-95	36097-96
2,4'-Dichlorobiphenyl (PCB8), µg/L	< 0.02	<0.02	< 0.02
2,2°,5-Trichlorobiphenyl (PCB18), μg/L	< 0.02	<0.02	<0.02
2,4,4'-Trichlorobiphenyl (PCB28) , μg/L	< 0.02	<0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), μg/L	< 0.02	<0.02	<0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), μg/L	< 0.02	<0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	< 0.02	<0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), μg/L	< 0.02	< 0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	< 0.02	<0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	< 0.02	<0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	< 0.02	< 0.02	<0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), μg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	<0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	<0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), μg/L	< 0.02	< 0.02	<0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	<0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), μg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	< 0.02	<0.02	<0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), µg/L	< 0.02	< 0.02	<0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), µg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), µg/L	< 0.02	<0.02	< 0.02

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Results:			
Sample ID	W1-S R5	W1-M R5	W1-B R5
Sample No.	36097-97	36097-98	36097-99
2,4'-Dichlorobiphenyl (PCB8), µg/L	< 0.02	< 0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18) , μg/L	<0.02	< 0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	<0.02	< 0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), μg/L	< 0.02	<0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	< 0.02	<0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	< 0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	<0.02	< 0.02	<0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), μg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), μg/L	<0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), µg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), μg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	<0.02	< 0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), μg/L	<0.02	< 0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	< 0.02	< 0.02	< 0.02

Remarks: 1) <= less than



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Results:

Results:			
Sample ID	W2-S R5	W2-M R5	W2-B R5
Sample No.	36097-100	36097-101	36097-102
2,4'-Dichlorobiphenyl (PCB8), µg/L	< 0.02	< 0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), μg/L	<0.02	< 0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), μg/L	<0.02	< 0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	<0.02	< 0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	<0.02	< 0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	<0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	< 0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), μg/L	<0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	<0.02	<0.02	<0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	<0.02	<0.02	<0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	<0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	<0.02	<0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	<0.02	<0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	<0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	<0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	< 0.02	<0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	<0.02	<0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02	<0.02	<0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	< 0.02	< 0.02	<0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180) , μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	< 0.02	< 0.02	< 0.02

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Resu	lts:
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Results:			
Sample ID	W3-S R5	W3-M R5	W3-B R5
Sample No.	36097-103	36097-104	36097-105
2,4'-Dichlorobiphenyl (PCB8), μg/L	<0.02	< 0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), µg/L	<0.02	< 0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), µg/L	< 0.02	< 0.02	<0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	< 0.02	<0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	< 0.02	<0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	< 0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), μg/L	<0.02	<0.02	<0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	< 0.02	<0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	< 0.02	<0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	<0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	<0.02	< 0.02	<0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), µg/L	< 0.02	<0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), μg/L	<0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	<0.02	< 0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	<0.02	<0.02	< 0.02



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Results:			
Sample ID	W4-S R5	W4-M R5	W4-B R5
Sample No.	36097-106	36097-107	36097-108
2,4'-Dichlorobiphenyl (PCB8), μg/L	<0.02	< 0.02	<0.02
2,2',5-Trichlorobiphenyl (PCB18), µg/L	< 0.02	< 0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), μg/L	< 0.02	< 0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	< 0.02	<0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	<0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	<0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	<0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	<0.02	<0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), µg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02	< 0.02	<0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), µg/L	<0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	<0.02	< 0.02	<0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	<0.02	<0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), μg/L	< 0.02	<0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	< 0.02	< 0.02	< 0.02

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Results:			
Sample ID	W5-S R5	W5-M R5	W5-B R5
Sample No.	36097-109	36097-110	36097-111
2,4'-Dichlorobiphenyl (PCB8), μg/L	< 0.02	< 0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), μg/L	< 0.02	<0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), μg/L	< 0.02	<0.02	<0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	< 0.02	< 0.02	<0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), μg/L	< 0.02	< 0.02	<0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	<0.02	<0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	<0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	<0.02	< 0.02	<0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), μg/L	<0.02	< 0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	< 0.02	< 0.02	< 0.02



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Results:			
Sample ID	W6-S R5	W6-M R5	W6-B R5
Sample No.	36097-112	36097-113	36097-114
2,4'-Dichlorobiphenyl (PCB8), µg/L	< 0.02	< 0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), μg/L	<0.02	< 0.02	<0.02
2,4,4'-Trichlorobiphenyl (PCB28), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), μg/L	< 0.02	<0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	< 0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	<0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	<0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	<0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	<0.02	<0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), μg/L	< 0.02	< 0.02	<0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), μg/L	<0.02	< 0.02	<0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	< 0.02	<0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	< 0.02	<0.02	<0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180) , μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	< 0.02	< 0.02	<0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	< 0.02	<0.02	< 0.02

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Results:			
Sample ID	W7-S R5	W7-M R5	W7-B R5
Sample No.	36097-115	36097-116	36097-117
2,4'-Dichlorobiphenyl (PCB8), µg/L	< 0.02	<0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), μg/L	<0.02	<0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), μg/L	< 0.02	< 0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), μg/L	< 0.02	<0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), μg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	< 0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), μg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), μg/L	<0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	<0.02	<0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), µg/L	<0.02	< 0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), µg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), µg/L	< 0.02	<0.02	< 0.02

Remarks: 1) <= less than



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Results:			
Sample ID	W8-S R5	W8-M R5	W8-B R5
Sample No.	36097-118	36097-119	36097-120
2,4'-Dichlorobiphenyl (PCB8), μg/L	< 0.02	< 0.02	<0.02
2,2',5-Trichlorobiphenyl (PCB18), µg/L	< 0.02	<0.02	<0.02
2,4,4'-Trichlorobiphenyl (PCB28), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	< 0.02	< 0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	<0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), μg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), μg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	<0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), μg/L	<0.02	<0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), µg/L	<0.02	<0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), μg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), µg/L	<0.02	< 0.02	<0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), µg/L	<0.02	<0.02	<0.02

Remarks: 1) \leq = less than

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Sample ID	W1-S R6	W1-M R6	W1-B R6
Sample No.	36097-121	36097-122	36097-123
2,4'-Dichlorobiphenyl (PCB8), µg/L	< 0.02	< 0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), µg/L	< 0.02	<0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	< 0.02	< 0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	< 0.02	<0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	< 0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), μg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), μg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	<0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167) , μg/L	<0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	<0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	<0.02	< 0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180) , μg/L	<0.02	< 0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), µg/L	<0.02	<0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	< 0.02	< 0.02	< 0.02

Remarks: 1) \leq less than



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Results:	W2-S R6	W2-M R6	W2-B R6
Sample ID			
Sample No.	36097-124	36097-125	36097-126
2,4'-Dichlorobiphenyl (PCB8), µg/L	<0.02	<0.02	<0.02
2,2',5-Trichlorobiphenyl (PCB18) , μg/L	<0.02	<0.02	<0.02
2,4,4'-Trichlorobiphenyl (PCB28), μg/L	< 0.02	<0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44) , μg/L	< 0.02	<0.02	<0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52) , μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), μg/L	< 0.02	< 0.02	<0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	<0.02	<0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), µg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), µg/L	< 0.02	<0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	<0.02	<0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170) , μg/L	<0.02	< 0.02	<0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180) , μg/L	< 0.02	< 0.02	<0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	< 0.02	< 0.02	<0.02

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TEST REPORT

Report No.:	36097D
Date of Issue:	2021-12-31
Date Received:	2021-12-15
Date Tested:	2021-12-15
Date Completed:	2021-12-31

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Results:	
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Sample ID	W3-S R6	W3-M R6	W3-B R6
Sample No.	36097-127	36097-128	36097-129
2,4'-Dichlorobiphenyl (PCB8), µg/L	< 0.02	< 0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), μg/L	<0.02	< 0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	< 0.02	< 0.02	<0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), μg/L	<0.02	< 0.02	<0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	<0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	< 0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	<0.02	<0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	<0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), μg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	<0.02	<0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), μg/L	<0.02	< 0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	<0.02	< 0.02	<0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	<0.02	< 0.02	< 0.02



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Results:			
Sample ID	W4-S R6	W4-M R6	W4-B R6
Sample No.	36097-130	36097-131	36097-132
2,4'-Dichlorobiphenyl (PCB8), μg/L	< 0.02	<0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), μg/L	< 0.02	<0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	< 0.02	< 0.02	< 0.02
2,2°,5,5°-Tetrachlorobiphenyl (PCB52), μg/L	<0.02	<0.02	<0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	< 0.02	<0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	<0.02	<0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	<0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	<0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	<0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), μg/L	< 0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), μg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), µg/L	< 0.02	< 0.02	<0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187) , μg/L	<0.02	< 0.02	<0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189) , μg/L	< 0.02	<0.02	< 0.02

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Results:			
Sample ID	W5-S R6	W5-M R6	W5-B R6
Sample No.	36097-133	36097-134	36097-135
2,4'-Dichlorobiphenyl (PCB8), μg/L	<0.02	< 0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), μg/L	<0.02	<0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), μg/L	< 0.02	<0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	< 0.02	< 0.02	<0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	<0.02	< 0.02	<0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), μg/L	< 0.02	<0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	< 0.02	< 0.02	< 0.02



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Results:			r
Sample ID	W6-S R6	W6-M R6	W6-B R6
Sample No.	36097-136	36097-137	36097-138
2,4'-Dichlorobiphenyl (PCB8), μg/L	<0.02	< 0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), μg/L	< 0.02	< 0.02	<0.02
2,4,4'-Trichlorobiphenyl (PCB28), μg/L	< 0.02	< 0.02	<0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), μg/L	<0.02	< 0.02	<0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), μg/L	<0.02	<0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), μg/L	<0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), μg/L	< 0.02	< 0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), μg/L	< 0.02	<0.02	<0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), μg/L	<0.02	<0.02	<0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), µg/L	<0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), μg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), μg/L	< 0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), μg/L	< 0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), μg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), μg/L	<0.02	< 0.02	<0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), μg/L	< 0.02	<0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	<0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	<0.02	< 0.02	<0.02

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Results:		,	
Sample ID	W7-S R6	W7-M R6	W7-B R6
Sample No.	36097-139	36097-140	36097-141
2,4'-Dichlorobiphenyl (PCB8), μg/L	<0.02	< 0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18), μg/L	<0.02	< 0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28), μg/L	<0.02	< 0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), μg/L	< 0.02	< 0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), μg/L	<0.02	< 0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), μg/L	< 0.02	< 0.02	<0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	<0.02	<0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	< 0.02	<0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	<0.02	<0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114) , μg/L	< 0.02	<0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), μg/L	<0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), μg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02	< 0.02	<0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), μg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170) , μg/L	<0.02	< 0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180) , μg/L	<0.02	< 0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), μg/L	<0.02	< 0.02	< 0.02

Remarks: 1) < = less than ********************************

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Results:			
Sample ID	W8-S R6	W8-M R6	W8-B R6
Sample No.	36097-142	36097-143	36097-144
2,4'-Dichlorobiphenyl (PCB8), µg/L	< 0.02	<0.02	< 0.02
2,2',5-Trichlorobiphenyl (PCB18) , μg/L	< 0.02	< 0.02	< 0.02
2,4,4'-Trichlorobiphenyl (PCB28) , μg/L	< 0.02	<0.02	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), μg/L	< 0.02	<0.02	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	< 0.02	< 0.02	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	< 0.02	< 0.02	< 0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02	<0.02	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02	< 0.02	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02	< 0.02	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02	< 0.02	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), μg/L	< 0.02	< 0.02	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02	< 0.02	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), μg/L	< 0.02	< 0.02	< 0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	<0.02	< 0.02	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), μg/L	< 0.02	<0.02	< 0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	<0.02	< 0.02	< 0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157) , μg/L	< 0.02	< 0.02	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), µg/L	<0.02	< 0.02	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02	< 0.02	<0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	<0.02	< 0.02	< 0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180) , μg/L	<0.02	<0.02	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	< 0.02	< 0.02	< 0.02
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189) , μg/L	<0.02	< 0.02	<0.02

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APPENDIX H
LABORATORY ANALYIS RESULTS FOR
EFFLUENT MONITORING



TEST REPORT

APPLICANT: SUEZ NWS Limited

Room 702, 7/F, Lee Garden Two,

28 Yun Ping Road, Causeway Bay, Hong Kong

36127 Report No.: Date of Issue: 2021-12-21 2021-12-16 Date Received: Date Tested: 2021-12-16 Date Completed: 2021-12-21

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ATTN:

Mr. Cyrus Fung

Sample Description : 1 liquid sample as received from customer said to be wastewater

Laboratory No. : 36127 Sampling Date : 2021-12-16

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of Reporting
1	E. coli	DoE (1983) The Bacteriological Examination of Drinking Water Supplies, 1982 (Membrane Filtration Procedure: Sections 7.8, 7.9.4.2; Bacterial Confirmation: Section 7.9.4.3 for coliform, 7.9.4.4 for E. coli)	1 cfu/100mL

Results:		
		E.coli
*	Sample ID Sample No.	(cfu/100mL)
Effluent	36127-1	2,900

Remarks: 1) \leq = less than

PREPARED AND CHECKED BY: For and On Behalf of WELLAB Ltd.

PATRICK TSE General Manager

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TEST REPORT

APPLICANT: SUEZ NWS Limited

Room 702, 7/F, Lee Garden Two,

28 Yun Ping Road, Causeway Bay, Hong Kong

Report No.: 36128 2021-12-31 Date of Issue: Date Received: 2021-12-16 Date Tested: 2021-12-16 Date Completed: 2021-12-31

ATTN:

Mr. Cyrus Fung

1 of 2

Sample Description : Flow-weighted Composite Water Sample (which was composited by Wellab

Staff, from 24 water samples as received from customer said to be effluent

samples from San Wai Sewage Treatment Works (SWSTW)

Laboratory No. : 36128

Sampling Date : 2021-12-16

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Item	Parameters	Ref. Method	Limit of Reporting
1	Cadmium	In-house method SOP039 (ICP/MS)	0.5 μg/L
2	Copper		1 μg/L
3	Nickel		1 μg/L
4	Lead		1 μg/L
5	Mercury		0.5 μg/L
6	Chromium		1 μg/L
8	Zinc		1 μg/L
9	Total Inorganic Nitrogen	In-house method SOP163 (By calculation)	0.04 mg N/L
10	Ammonia	In-house method SOP157 (FIA)	0.02 mg NH ₃ -N/L
11	Biochemical Oxygen Demand	APHA 19ed 5210B	2 mg-O₂/L
12	Suspended Solids (SS) dried at 103-105°C	APHA 17ed 2540 D	2.5 mg/L
13	pH value at 25°C	APHA 19ed 4500-H+ B	2.0-12.0 pH unit
14	E. coli	DoE (1983) The Bacteriological Examination of Drinking Water Supplies, 1982 (Membrane Filtration Procedure: Sections 7.8, 7.9.4.2; Bacterial Confirmation: Section 7.9.4.3 for coliform, 7.9.4.4 for E. coli)	1 cfu/100mL

PREPARED AND CHECKED BY:

For and On Behalf of WELLAB Ltd.

PATRICK TSE General Manager



TEST REPORT

Report No.: 36128 2021-12-31 Date of Issue: 2021-12-16 Date Received: Date Tested: 2021-12-16 Date Completed: 2021-12-31

Page: 2 of 2

Results:

KCOUIIG.	
Sample ID	Effluent
Sample No.	36128-1
Cadmium (µg/L)	<0.5
Copper (µg/L)	8
Nickel (µg/L)	7
Lead (µg/L)	<1
Mercury (μg/L)	<0.5
Chromium (µg/L)	<1
Zinc (µg/L)	74
Total Inorganic Nitrogen (mg/L)	28
Ammonia (mg/L)	28
Biochemical Oxygen Demand (mg-O ₂ /L)	69
Suspended Solids dried at 103-105°C	30
(mg/L)	
pH value at 25°C (pH unit)	7.4
E.coli (cfu/100mL)	46,000

Remarks: 1) <= less than

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TEST REPORT

APPLICANT: SUEZ NWS Limited

Room 702, 7/F, Lee Garden Two,

28 Yun Ping Road, Causeway Bay, Hong Kong

Report No.: 36128A Date of Issue: 2021-12-31 Date Received: 2021-12-16 2021-12-16 Date Tested: Date Completed: 2021-12-31

ATTN:

Mr. Cyrus Fung

1 of 2

Sample Description : Flow-weighted Composite Water Sample (which was composited by Wellab

Staff, from 24 water samples as received from customer said to be effluent

samples from San Wai Sewage Treatment Works (SWSTW)

Laboratory No. : 36128A Sampling Date : 2021-12-16

Test Requested & Methodology

Parameters	Ref. Method	Limit of Reporting
2,4'-Dichlorobiphenyl (PCB8)	In-house method SOP 087	0.02 μg/L
2,2',5-Trichlorobiphenyl (PCB18)	(GC/MSD)	0.02 μg/L
2,4,4'-Trichlorobiphenyl (PCB28)		0.02 μg/L
2,2',3,5'-Tetrachlorobiphenyl (PCB44)		0.02 μg/L
2,2',5,5'-Tetrachlorobiphenyl (PCB52)		0.02 μg/L
2,3',4,4'-Tetrachlorobiphenyl (PCB66)		0.02 μg/L
3,3',4,4'-Tetrachlorobiphenyl (PCB77)		0.02 μg/L
3,4,4',5-Tetrachlorobiphenyl (PCB81)		0.02 μg/L
2,2',4,5,5'-Pentachlorobiphenyl (PCB101)		0.02 μg/L
2,3,3',4,4'-Pentachlorobiphenyl (PCB105)		0.02 μg/L
2,3,4,4',5-Pentachlorobiphenyl (PCB114)		0.02 μg/L
2,3',4,4',5-Pentachlorobiphenyl (PCB118)		0.02 μg/L
2',3,4,4',5-Pentachlorobiphenyl (PCB123)		0.02 μg/L
3,3',4,4',5-Pentachlorobiphenyl (PCB126)		0.02 μg/L
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128)		0.02 μg/L
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138)		0.02 μg/L
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153)		0.02 μg/L
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156)		0.02 μg/L
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157)		0.02 μg/L
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167)		0.02 μg/L
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169)		0.02 μg/L
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170)		0.02 μg/L
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180)		0.02 μg/L
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187)		0.02 μg/L
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189)		0.02 μg/L
	2,4'-Dichlorobiphenyl (PCB18) 2,2',5-Trichlorobiphenyl (PCB18) 2,2',5-Trichlorobiphenyl (PCB28) 2,2',3,5'-Tetrachlorobiphenyl (PCB28) 2,2',3,5'-Tetrachlorobiphenyl (PCB44) 2,2',3,5'-Tetrachlorobiphenyl (PCB52) 2,3',4,4'-Tetrachlorobiphenyl (PCB66) 3,3',4,4'-Tetrachlorobiphenyl (PCB77) 3,4,4',5-Tetrachlorobiphenyl (PCB101) 2,2',4,5,5'-Pentachlorobiphenyl (PCB101) 2,3,3',4,4'-S-Pentachlorobiphenyl (PCB104) 2,3',4,4',5-Pentachlorobiphenyl (PCB114) 2,3',4,4',5-Pentachlorobiphenyl (PCB123) 3,3',4,4',5-Pentachlorobiphenyl (PCB128) 2,2',3,4,4',5-Pentachlorobiphenyl (PCB128) 2,2',3,4,4',5-Hexachlorobiphenyl (PCB188) 2,2',3,4,4',5-Hexachlorobiphenyl (PCB153) 2,3',4,4',5-Hexachlorobiphenyl (PCB153) 2,3',4,4',5-Hexachlorobiphenyl (PCB156) 2,3,3',4,4',5-Hexachlorobiphenyl (PCB167) 3,3',4,4',5-Hexachlorobiphenyl (PCB167) 3,3',4,4',5-Hexachlorobiphenyl (PCB167) 3,3',4,4',5-Hexachlorobiphenyl (PCB170) 2,2',3,3',4,4',5-Hexachlorobiphenyl (PCB170) 2,2',3,3',4,4',5-Hetachlorobiphenyl (PCB180) 2,2',3,3',4,4',5-Hetachlorobiphenyl (PCB180)	2,4'-Dichlorobiphenyl (PCB18) 2,2',5-Trichlorobiphenyl (PCB18) 2,2',5-Trichlorobiphenyl (PCB28) 2,2',3,5'-Tetrachlorobiphenyl (PCB44) 2,2',3,5'-Tetrachlorobiphenyl (PCB52) 2,3',4,4'-Tetrachlorobiphenyl (PCB66) 3,3',4,4'-Tetrachlorobiphenyl (PCB17) 3,4,4',5-Tetrachlorobiphenyl (PCB10) 2,2',4,5,5'-Pentachlorobiphenyl (PCB10) 2,3',4,4',5-Pentachlorobiphenyl (PCB118) 2,3',4,4',5-Pentachlorobiphenyl (PCB118) 2,3',4,4',5-Pentachlorobiphenyl (PCB128) 2,3',4,4',5-Pentachlorobiphenyl (PCB128) 2,2',3,3',4,4'-S-Hexachlorobiphenyl (PCB128) 2,2',3,4,4',5'-Hexachlorobiphenyl (PCB153) 2,3',4,4',5'-Hexachlorobiphenyl (PCB156) 2,3',3',4,4',5-Hexachlorobiphenyl (PCB157) 2,3',4,4',5-Hexachlorobiphenyl (PCB167) 3,3',4,4',5-Hexachlorobiphenyl (PCB169) 2,2',3,3',4,4',5-Hexachlorobiphenyl (PCB170) 2,2',3,3',4,4',5-Hexachlorobiphenyl (PCB188) 2,2',3,4,4',5,5'-Hexachlorobiphenyl (PCB187)

PREPARED AND CHECKED BY:

For and On Behalf of WELLAB Ltd.

PATRICK TSE General Manager

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TEST REPORT

Report No.: 36128A 2021-12-31 Date of Issue: 2021-12-16 Date Received: Date Tested: 2021-12-16 Date Completed: 2021-12-31

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Results:	T.CCI
Sample ID	Effluent
Sample No.	36128-1
2,4'-Dichlorobiphenyl (PCB8), μg/L	<0.02
2,2',5-Trichlorobiphenyl (PCB18), μg/L	<0.02
2,4,4'-Trichlorobiphenyl (PCB28), µg/L	< 0.02
2,2',3,5'-Tetrachlorobiphenyl (PCB44), µg/L	< 0.02
2,2',5,5'-Tetrachlorobiphenyl (PCB52), µg/L	< 0.02
2,3',4,4'-Tetrachlorobiphenyl (PCB66), µg/L	<0.02
3,3',4,4'-Tetrachlorobiphenyl (PCB77), µg/L	< 0.02
3,4,4',5-Tetrachlorobiphenyl (PCB81), µg/L	< 0.02
2,2',4,5,5'-Pentachlorobiphenyl (PCB101), µg/L	< 0.02
2,3,3',4,4'-Pentachlorobiphenyl (PCB105), µg/L	< 0.02
2,3,4,4',5-Pentachlorobiphenyl (PCB114), µg/L	< 0.02
2,3',4,4',5-Pentachlorobiphenyl (PCB118), µg/L	< 0.02
2',3,4,4',5-Pentachlorobiphenyl (PCB123), µg/L	< 0.02
3,3',4,4',5-Pentachlorobiphenyl (PCB126), µg/L	< 0.02
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB128), µg/L	<0.02
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB138), µg/L	< 0.02
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB153), µg/L	<0.02
2,3,3',4,4',5-Hexachlorobiphenyl (PCB156), μg/L	<0.02
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB157), µg/L	< 0.02
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB167), µg/L	< 0.02
3,3',4,4'5,5'-Hexachlorobiphenyl (PCB169), µg/L	< 0.02
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB170), μg/L	<0.02
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB180), μg/L	< 0.02
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB187), μg/L	< 0.02
2.3,3',4,4',5,5'-Heptachlorobiphenyl (PCB189), µg/L	< 0.02

Remarks: 1) <= less than

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TEST REPORT

APPLICANT: SUEZ NWS Limited

Room 702, 7/F, Lee Garden Two,

28 Yun Ping Road, Causeway Bay, Hong Kong

36128B Report No.: 2021-12-31 Date of Issue: 2021-12-16 Date Received: Date Tested: 2021-12-16 Date Completed: 2021-12-31

Page: 1 of 2 Mr. Cyrus Fung

Sample Description : Flow-weighted Composite Water Sample (which was composited by Wellab

Staff, from 24 water samples as received from customer said to be effluent

samples from San Wai Sewage Treatment Works (SWSTW)

36128B Laboratory No. : Sampling Date : 2021-12-16

Item	Parameters	Ref. Method	Limit of Reporting
1	Naphthalene (NAP)	In-house method SOP 087 (GC/MSD)	0.1 μg/L
2	Acenaphthylene (ANY)	[0.1 μg/L
3	Acenaphthene (ANA)		0.1 μg/L
4	Fluorene (FLU)		0.1 μg/L
5	Phenanthrene (PHE)		0.1 μg/L
6	Anthracene (ANT)		0.1 μg/L
7	Fluoranthene (FLT)		0.1 μg/L
8	Benzo(a)Anthracene (BaA)		0.1 μg/L
9	Chrysene (CHR)		0.1 μg/L
10	Pyrene (PYR)		0.1 μg/L
11	Benzo(b)Fluoranthene (BbF)		0.1 μg/L
12	Benzo(a)Pyrene (BaP)		0.1 μg/L
13	Benzo(k) Fluoranthene (BkF)		0.1 μg/L
14	Indeno(1,2,3-cd)pyrene (IPY)		0.1 μg/L
15	Dibenz(a,h)anthracene (DBA)		0.1 μg/L
16	Benzo(g,h,i)Perylene (BPE)		0.1 μg/L

PREPARED AND CHECKED BY: For and On Behalf of WELLAB Ltd.

PATRICK TSE General Manager



TEST REPORT

 Report No.:
 36128B

 Date of Issue:
 2021-12-31

 Date Received:
 2021-12-16

 Date Tested:
 2021-12-16

 Date Completed:
 2021-12-31

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Results:

Results.	
Sample ID	Effluent
Sample No.	36128-1
Naphthalene (NAP), µg/L	<0.1
Acenaphthylene (ANY), µg/L	<0.1
Acenaphthene (ANA), μg/L	<0.1
Fluorene (FLU), μg/L	<0.1
Phenanthrene (PHE), µg/L	<0.1
Anthracene (ANT), µg/L	< 0.1
Fluoranthene (FLT), µg/L	<0.1
Benzo(a)Anthracene(BaA), μg/L	<0.1
Chrysene (CHR), µg/L	<0.1
Pyrene(PYR), μg/L	<0.1
Benzo(b)Fluoranthene (BbF), μg/L	<0.1
Benzo(a)Pyrene (BaP), μg/L	<0.1
Benzo(k) Fluoranthene (BkF), μg/L	<0.1
Indeno(1,2,3-cd)pyrene (IPY), µg/L	<0.1
Dibenz(a,h)anthracene (DBA), µg/L	<0.1
Benzo(g,h,i)Perylene (BPE) , μg/L	<0.1

APPENDIX I TOXICITY TESTING RESULT



TEST REPORT

APPLICANT: SUEZ NWS Limited

Room 702, 7/F, Lee Garden Two,

28 Yun Ping Road, Causeway Bay, Hong Kong

Report No .: 36128C Date of Issue: 2021-12-31 2021-12-16 Date Received: 2021-12-16 Date Tested: Date Completed: 2021-12-31

ATTN:

Mr. Cyrus Fung

1 of 13

Sample Description: Flow-weighted Composite Water Sample (which was composited by Wellab

Staff, from 24 water samples as received from customer said to be effluent

samples from Pillar Point Wastewater Treatment Plant)

Laboratory No.: 36128C

Sampling Date: Effluent water samples were collected between 2021-09-09 and 2021-12-16

Sample Received Date: 2021-12-16

Sample No.: 36128-1

Test Requested & Methodology:

Item	Parameter	Ref. Method	Limit of Reporting
I	7-Days Diatom (Skeletonema costatum) Growth Inhibition Test	EPD (2009), Standard Operating Procedures for Whole Effluent Toxicity Test, February	N/A
II	48-hr Barnacle Larvae (Balanus amphitrite) survival test	2009	N/A

Remarks: 1) Uncertainty is calculated as 2S.D.

2) N/A = Not Applicable

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PATŘICK TSE General Manager

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TEST REPORT

Report No.:	36128C
Date of Issue:	2021-12-31
Date Received:	2021-12-16
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SAMPLE INFORMATION 1.

Sample Information, Receiving and Storage Conditions

Sample Description:		samples as received from	customer sa	id to be effluent
Sampling Date		9 and 2021-12-16		
Sample Receive Date	2021-12-1			
Sample Pretreatment		samples were composited	in Wellab	
Sample Composite Date:	2021-12-1	16		
Sample No. & Sample ID:	1)	2021-12-15 10:00	13)	2021-12-15 22:00
	2)	2021-12-15 11:00	14)	2021-12-15 23:00
	3)	2021-12-15 12:00	15)	2021-12-16 00:00
	4)	2021-12-15 13:00	16)	2021-12-16 01:00
	5)	2021-12-15 14:00	17)	2021-12-16 02:00
	6)	2021-12-15 15:00	18)	2021-12-16 03:00
	7)	2021-12-15 16:00	19)	2021-12-16 04:00
	8)	2021-12-15 17:00	20)	2021-12-16 05:00
	9)	2021-12-15 18:00	21)	2021-12-16 06:00
	10)	2021-12-15 19:00	22)	2021-12-16 07:00
	11)	2021-12-15 20:00	23)	2021-12-16 08:00
	12)	2021-12-15 21:00	24)	2021-12-16 09:00
Temperature of Sample(s) at Receipt:	2-6°C			
Sampling Container:	1L plastic	e bottle		
Composite Sample Volume:	14L			
Composite Sample No	36128-1			
& Sample ID:	Effluent			
Sample Storage Condition	Store in o	lark at 4 ± 2°C until testi	ng	
after Receipt: **********				

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2. 7-Days Diatom (Skeletonema costatum) Growth Inhibition Test

2.1 Test Method

This 7-day toxicity test on water sample with *Skeletonema costatum* was conducted using the EPD WETT Standard Operating Procedure (2009) "Standard Operating Procedures for Whole Effluent Toxicity Test (WETT)". *Skeletonema costatum* exposed to the five concentrations of test sample for a 7-day test period. The endpoints were cell density and specific growth rate.

2.2 Summary of Test Sample - Diatom7-Days Growth Inhibition Test Particulars

Type of Test	Static Non-Renewal
Test Start and End Date (Time)	Start: 2021-12-16 (13:00) End: 2021-12-23 (13:00)
Test Organism:	Skeletonema costatum
Source:	Purchase, Use log phase growing culture
Stock Culture Cultivation:	Stock Culture were Cultured in Same Conditions as Testing Conditions
Test Duration:	7 Days
Temperature:	$22 \pm 1^{\circ}C$
Salinity:	30± 1ppt
Dissolved Oxygen:	>5mg/L
рН:	8.0±2
Lightand Light Intensity:	3000±500 lux light density
Light Cycle:	12h Light, 12h Dark
Test Chambers:	100mL glass beaker
Test Solution Volume:	25mL
Dilution Water:	Seawater purchased from Kwun Tong Wholesale Fish Market.
	Adjusted to 30 ±12 ppt, filter through a 0.22 µm filter and UV
	sterilized
Age of Test Organisms:	Log Phase Growing Cell at Density of 106 cell/ mL
Initial Density of Test Organisms per Chamber:	5.1 x 10 ⁴ cell /mL
Number of Replicate Chambers per Treatment:	4
Renewal of Test Solution:	None
Aeration:	Orbital shaker (120 revolution per minute)

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2.3 Summary of Test Sample Diatom 7-Days Growth Inhibition Test Particulars (Cont.)

Observations:	Colour and Appearance of Culture
Physical / Chemical Data:	Temperature, Dissolved Oxygen, pH, Salinity
Nutrient Regime:	f/2 Medium
Effect:	Cell density and Specific Growth Rate
Endpoints:	NOEC, LOEC and EC50
Test Acceptability Criteria:	Negative control cell density shall have increased by 16 times in 7 days Coefficient of variation of average growth in control replicate <20%
Deviation from Test Method:	No Deviation from Test Method
Statistical Analysis	Comparisons were made according to EPD (2009), Standard Operating Procedures for Whole Effluent Toxicity Test. Data reported as percentages were transformed using an arcsine square root transformation prior to statistical analysis. All data were tested for normality using the Shapiro-Wilk test and equality of variance using Barlett's test. Determinations of statistical significance were based on one-tailed Student's t-tests with an alpha of 0.05. Calculate EC50 using CETIS, data were analyzed according to USEPA requirement (version 1.8.7.16)

2.4 Summary of Reference Toxicant Diatom 7-Days Growth Inhibition Test Particulars

Reference Toxicant	Cadmium ion (from Anhydrous Cadmium Chloride)
Stock Solution Concentration	20000mg/L Cd ²⁺
Statistical Analysis	7-Day EC50 for Cadmium ion determined by CETIS (version1.8.7.16)
Number of Replicate	4
Chambers per Treatment: Other Test Conditions	Same as Test Sample Toxicity Test



TEST REPORT

 Report No.:
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 2021-12-16

 Date Tested:
 2021-12-16

 Date Completed:
 2021-12-31

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2.5 <u>Test Results (Diatom 7-Days Growth Inhibition Test</u> - Cell Density on Day 0, Day 1, Day 3 and Day 7

36128-1	Cell Density (cell/mL)		nsity (cell/mL)
Test Concentration (%)	Replicate	Day 0	Day 7
	1	51,000	1,100,000
0	2	51,000	1,100,000
(Negative Control)	3	50,000	1,200,000
` 5	4	51,000	1,100,000
	1	49,000	1,800,000
0.5	2	51,000	1,900,000
2.5	3	50,000	1,800,000
	4	50,000	2,000,000
	1	51,000	1,600,000
-	2	50,000	1,700,000
5	3	50,000	1,900,000
	4	51,000	1,900,000
	1	51,000	1,500,000
10	2	50,000	1,500,000
	3	50,000	1,600,000
	4	50,000	1,500,000
	1	51,000	590,000
	2	51,000	710,000
25	3	50,000	660,000
	4	50,000	630,000
	1	50,000	<50,000
50	2	51,000	<50,000
50	3	50,000	<50,000
	4	50,000	<50,000

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TEST REPORT

Report N	o.:	36128C	
Date of I	ssue:	2021-12-31	
Date Rec	eived:	2021-12-16	
Date Tes	ted:	2021-12-16	
Date Cor	npleted:	2021-12-31	

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Test Result Summary (Diatom 7-Days Growth Inhibition Test)

36128-1	Replicate	Day 7 Specific Growth Rate	Mean
Test Concentration (%)	1	0.45	
0	2	0.46	
(Negative Control)	3	0.46	0.46
(Negative Control)	4	0.45	
	1	0.54	
	2	0.53	
2.5	3	0.52	0.53
	4	0.54	
	1	0.50	
	2	0.52	
5	3	0.53	0.52
	4	0.54	
	1	0.46	
	2	0.42	0.44
10	3	0.43	0.44
	4	0.44	
	1	0.33	
	2	0.35	0.24
25	3	0.35	0.34
	4	0.34	
	1	0.00	
	2	0.00	0.00
50	3	0.00	0.00
	4	0.00	



TEST REPORT

2.7 Test Result Summary and Interpretation of Diatom 7-Days Growth Inhibition Test

Parameter	36128-1
No Observable Effect Concentration (NOEC)	2.5%
Lowest Observed Effect Concentration (LOEC)	25%
EC50	34.5%
(Upper, Lower Confidence Level)	(35.0, 33.9)

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TEST REPORT

Report No.:	36128C
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2.8 <u>QC Records</u> - <u>Diatom 7-Days Growth Inhibition Test, Test Sample and Reference Toxicant Test Validity Criteria</u>

- Test Organism Performance

	Parameters	Results	Control Limit
	Negative Control 7-Days Growth Rate	0.50	>0.4
Diatom 7-Days Growth Inhibition Test	Coefficient of variation of Average Growth of Negative Control	2.6%	<20%
	96-h EC50	0.13 mg/L	0.10-0.16 mg/L
	95% Confidence Interval	0.09-0.17 mg/L	N/A

2.9 <u>Diatom 7-Days Growth Inhibition Test Validity Criteria (Water Quality)</u>

36128-1 Test	Sali (p		Oxy	olved ygen g/L)		H unit)	Tempe	erature C)
Concentration (%)	Max	Min	Max	Min	Max	Min	Max	Min
0 (Negative Control)	30.1	29.6	7.2	6.7	7.4	6.4		
6.25	30.5	29.4	7.1	6.6	7.4	6.5		
12.5	30.4	29.4	7.1	6.6	7.3	6.6	22	21
25	30.4	29.3	7.1	6.3	7.3	6.6		
50	30.5	29.4	7.4	6.4	7.3	6.6		
100	30.4	29.3	7.1	6.3	7.2	6.8		
Acceptance Criteria	29-	-31	>5r	ng/L	6.0-	10.0	21-2	23°C

36128-1 Test	Amm (mg NF			ohide S ²⁻ /L)	So	ispended lids g/L)
Concentration (%)	Max	Min	Max	Min	Max	Min
0 (Negative Control)	<0.05	<0.05	<0.1	<0.1	<2.5	<2.5
6.25	0.96	0.07	<0.1	< 0.1	<2.5	<2.5
12.5	2.9	0.11	0.1	<0.1	5	5
25	6.5	0.19	0.3	<0.1	9	8
50	13	0.41	0.3	< 0.1	17	15
100	28	1.0	0.5	<0.1	32	29
Acceptance Criteria	N.	/A	N	/A	N	I/A

Remarks: 1) <= less than, > = more than



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3. 48-hr Barnacle Larvae (Balanus amphitrite) survival test

3.1 <u>Test Method</u>

This 48-hr toxicity test on water sample with *Balanus amphitrite* was conducted using the EPD WETT Standard Operating Procedure (2009) "Standard Operating Procedures for Whole Effluent Toxicity Test (WETT)". *Balanus amphitrite* was exposed to the five concentrations of test sample for a 48-hr test period. The endpoints were survival.

3.2 <u>Summary of Test Sample 48-hr Settlement Barnacle Larvae Test</u>

Type of Test	Static Renewal
Test Start and End Date	Start: 2021-12-16 (13:00)
(Time)	End: 2021-12-18 (13:00)
Test Organism:	Balanus amphirite
Source:	Collect adult barnacle from Ma Liu Shui and Shatin, dissect their brood sac to get larvae
Test Duration:	48-hr
Temperature:	22 ± 1°C
Salinity:	30± 1ppt
Dissolved Oxygen:	>5mg/L
pH:	8.0± 2
Light and light intensity:	3000±500 lux light density
Light Cycle:	Continuous
Test Chambers:	50mL glass beaker
Test Solution Volume:	20mL
Dilution Water:	Seawater purchased from Kwun Tong Wholesale Fish Market Adjusted to 30 ± 1 ppt, filter through a $0.22\mu m$ filter and UV sterilized
Age of Test Organisms:	Gather stage II nauplii larvae that are positive phototactic, actively swimming
Number of Test Organisms per Chamber:	20
Number of Replicate	4
Chambers per Treatment:	
Renewal of Test Solution:	None
Aeration:	Orbital shaker (120 revolution per minute)

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3.3 Summary of Test Sample 48-hr Barnacle Larvae Test (Cont.)

Physical / Chemical Data:	Temperature, Dissolved Oxygen, pH, Salinity
Feeding	None
Effect:	Survival
Endpoints:	NOEC, LOEC and EC50
Test Acceptability Criteria:	Mortality of negative control not exceed 10%
Deviation from Test Method:	No Deviation from Test Method
Statistical Analysis	Comparisons were made according to EPD (2009), Standard Operating Procedures for Whole Effluent Toxicity Test. Data reported as percentages were transformed using an arcsine square root transformation prior to statistical analysis. All data were tested for normality using the Shapiro-Wilk test and equality of variance using Barlett's test. Determinations of statistical significance were based on one-tailed Student's t-tests with an alpha of 0.05. Calculate EC50 using CETIS (version1.8.7.16), data were analyzed according to USEPA requirement

3.4 Summary of Reference Toxicant 48-hr Barnacle Larvae Test

Reference Toxicant	Cadmium ion (from Anhydrous Cadmium Chloride)
Stock Solution Concentration	20000mg/L Cd ²⁺
Statistical Analysis	48-hr EC50 for Cadmium ion Determined by CETIS (version1.8.7.16)
Number of Replicate	4
Chambers per Treatment:	
Other Test Conditions	Same as Test Sample Toxicity Test



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3.5 Test Results

- Test Result Summary (48-hr Settlement Barnacle Larvae Test)

36128-1 Test Concentration (%)	Replicate	Number Exposed	No. of Living Barnacle Larvae	Percentage survival (%)	Mean Percentage (%)
	1	20	20	100	
0	2	20	19	95	97.5
(Negative Control)	3	20	19	95	97.3
Control	4	20	20	100	
	1	20	18	90	
	2	20	18	90	87.5
6.5	3	20	17	85	67.3
	4	20	17	85	
	1	20	19	95	
	2	20	16	80	78.8
12.5	3	20	14	70	70.0
	4	20	14	70	
	1	20	11	55	
[2	20	11	55	51.3
25	3	20	9	45	7 31.3
	4	20	10	50	
	1	20	2	10	
[2	20	2	10	7.5
50	3	20	1	5	7.3
	4	20	1	5	
	1	20	0	0	
	2	20	0	0	0.0
100	3	20	0	0	0.0
	4	20	0	0	

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.6 Test Result Summary and Interpretation of 48-hr Barnacle Larvae Test

Parameter	36128-1
LC50	26.4%
(Upper, Lower Confidence Level)	(27.8%, 24.9%)



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QC Records (48-hr Barnacle Larvae Test)

- 48-hr Barnacle Larvae Test, Test Sample and Reference Toxicant Test Validity Criteria (Test Organism Performance)

	Parameters	Results	Control Limit
48-hr Barnacle	Negative Control 48-hr Mean Survival Percentage	97.5	>50%
	96-h EC50	1.1 mg/L	1.00-1.14 mg/L
	95% Confidence Interval	0.96-1.12mg/L	N/A

48-hr Barnacle Larvae Test (Water Quality)

36128-1 Test	Sali (pj	•	Oxy	olved /gen g/L)		H unit)	Tempe (°	erature C)
Concentration (%)	Max	Min	Max	Min	Max	Min	Max	Min
0 (Negative Control)	30.2	29.6	7.2	6.8	7.4	6.8		
6.5	30.3	29.7	7.3	6.6	7.3	6.9		
12.5	30.4	29.7	7.4	6.5	7.3	6.9	22	21
25	30.4	29.6	7.4	6.4	7.2	6.9		
50	30.4	29.5	7.2	6.3	7.2	6.9		
100	30.4	29.4	7.3	6.3	7.2	6.9	1	
Acceptance Criteria	29-	-31	>5r	ng/L	6.0-	10.0	21-2	23°C

36128-1 Test	Ammonia (mg NH ₃ -N/L)			Sulphide (mg S ²⁻ /L)		Total Suspended Solids (mg/L)	
Concentration (%)	Max	Min	Max	Min	Max	Min	
0 (Negative Control)	<0.05	<0.05	<0.1	<0.1	<2.5	<2.5	
6.5	0.85	0.55	< 0.1	< 0.1	<2.5	<2.5	
12.5	2.4	0.61	0.1	<0.1	5	4	
25	6.7	1.3	0.3	<0.1	9	8	
50	13	1.4	0.4	< 0.1	15	14	
100	29	2.3	0.5	<0.1	30	28	
Acceptance Criteria	N.	N/A		/A	N	/A	

Remarks: 1) > = more than

2) N/A = Not Applicable

APPENDIX J LANDSCAPE AND VISUAL AUDITING REPORT



Landscape and Visual Impact Assessment Checklist for Site Audit

Inspection Date:	10 December 2021	_ Weather: <u>Sunny/ Fine/ Cloudy /</u>	Rainy
Time:	15:30 p.m.	Wind: <u>Strong/ Breeze/-Light</u>	Calm

Item	Description	YES	NO	N/A	Actions/ Remarks
1	Construction Phase				
1.1	Is the detailed tree survey completed prior to construction work?	√ □			
1.2	Are trees to be transplanted removed to their final positions?			✓□	
1.3	Are the transplants and existing trees to be retained properly protected from damage by stout hoarding positioned as directed by a qualified Landscape Architect?			√ □	
1.4	Is regular inspection of the retained and transplanted trees made to ensure the effectiveness of the hoarding?			✓□	
1.5	Are the TPZ clearly demarcated on site and surrounded by strong fences sturdy enough to withstand impacts from the construction activities?			√ □	
1.6	Are warning signs and notices installed at the fences denoting the "tree protection zone" to prohibit the entry of equipment or construction activities?			√ □	
1.7	Are tree labels with clear indication of tree no. and status (e.g. "R", "T" or "F") provided for all the trees on site?			✓□	
1.8	If protective fencings are not practicable, are the tree root systems adequately protected from soil compaction due to passage of vehicles, equipment or machinery?			√ □	
1.9	Are vehicular/foot paths and storage areas designated away from TPZ?			✓□	
1.10	Are the trees properly irrigated and sprayed with water to remove the accumulated construction dust during dry season in order to lessen the chances of decline and to maintain the vigour of trees?			✓□	
1.11	Are the trees free from any sign of distress, such as dieback, leaf loss, or general decline in tree health or appearance or tree damage with symptoms of construction injury?			√ □	Раде



1.10	A .1 . C C				I I
1.12	Are the trees free from wire or nail			_	
	and prohibited to be used as anchor			\checkmark	
	for any site activities?				
1.13	Are cutting, trenching, excavating or				
	raising of soil level within the TPZ			\checkmark	
	prohibited?				
1.14	Is improper pruning of the tree				
	branches/roots prohibited?			\checkmark	
1.15	Are the trees free from any tree root				
1.13	damage?			\checkmark	
1.16	Are construction works or operation				
1.10				/ —	
	of machines within the TPZ			\checkmark	
	prohibited?				
1.17	Is the TPZ free from pollution from				
	effluent water, machine petroleum			\checkmark	
	or chemical spillage?				
1.18	Is the excavated topsoil stored and				The site has
	protected on site for reuse for				previously been
	restoration of screen planting				reclaimed from
	works?				ponds. Most of the
					excavated topsoil is
					not desirable for
					reuse due to its
					inferior quality.
				\checkmark	
					Contractor's
					submitted
					referencing
					documents are
					attached in the
					checklist dated 4
					May, 2018 for
					information.
1.19	Is the progress of the above				
	activities reported in the monthly	\checkmark			
	EM&A report?	• -			
2	Operational Phase (12 months period	d from	commissi	oning of	f the expanded and
	upgraded works)	u II oili	COMMISSI	oming of	the expanded and
2.1	Is a planting reserve, where locates				
	around the site perimeter of				
	approximately 5m wide, provided to	√ □			
	allow a continuous belt of trees to be	▼ □			
2.2	planted as a visual screen?				
2.2	Is the planting reserve				
	complemented the boundary	√ □			
	planting to the existing San Wai	• -			
	STW?				
2.3	Is all new planting maintained for 12				Establishment
	months to ensure proper			\checkmark	period for the trees
	establishment?				not yet started
2.4	Are the trees free from sign of				•
	deterioration of tree health and/or	√ □			
	structure?	• 🗆			
L	DI GOLGIO.				



2.5	Are the trees free from insect pests and disease pathogens?	√ □		
2.6	Are the irrigation systems functioning properly and well maintained?	√ □		
2.7	Are the tree root systems adequately protected from soil compaction due to storage of materials or operation of machinery?	√ □		



Summary/Remarks:

Follow up actions taken by Contractor for previous comments:

1. Keep on horticultural maintenance for the trees, shrubs and groundcovers.

The contractor was reminded to rectify the following:

- 1. Generally, contractor was reminded to keep on carrying out the outstanding planting works.
- 2. Weeding of planting area is required to keep.
- 3. Replacement of the dead plants are required.

New Observation:

- 1. Planting works are about to be completed.
- 2. Weeding and other maintenance works are found to be carried out.

Reminders:

- 1. Contractor is required to carry out the remaining soft landscape works.
- 2. Contractor was reminded to carry out proper maintenance to plantings.

Photo Record:



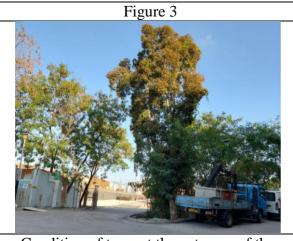


Figure 4



Condition of trees at the entrance of the existing treatment plant

Green roof at the Administration Building

Figure 5 Figure 6





Existing trees at the site entrance near the hoarding fence

Tree planting works near site boundary

Figure 7	Figure 8
Planting works at SDB	Planting condition at roof garden (UV)
Figure 9	Figure 10
Planting condition at the entrance of the plant	Planting works - groundcovers and potted plants in front of the structure

Signature:

		Signature	Date
Inspected & Recorded by	Registered Landscape Architect	Xylem"	14 th December 2021

APPENDIX K ACTION AND LIMIT LEVELS

Appendix K - Action and Limit Levels

Action and Limit Levels for Operational Phase Odour Monitoring

Location of Monitoring	Parameters	Action Level	Limit Level
SB1	H ₂ S concentration, ppm	0.0109	0.0109
ASR1		0.0100	0.0100
ASR2		0.0157	0.0157
OD1	H ₂ S concentration in ppb/ppm, flow rate of	$AL = LL/2 = 139$ $\mu g/s \text{ of } H_2S$	$LL = 277 \mu g/s \text{ of } H_2S$
OD2	exhaust in m ³ /s and temperature of exhaust (°C)	μg/s 01 11 <u>2</u> 5	1125

APPENDIX L EVENT AND ACTION PLAN

Appendix L - Event and Action Plan

Event / Action Plant for the Operational Phase Odour Monitoring

Event	Action Action				
	ET	IEC	ER	Contractor	
Exceedance of Action Level for one sample at site houndary, ASRs or exhaust of deodourisation unit	Identify source/ reason of exceedance; Inform IEC and ER; Repeat measurement to confirm finding.	Check with Contractor on the operating activities and implementation of odour mitigation measures; Discuss with ET and Contractor on the possible remedial actions; Advise the ER on the effectiveness of the proposed remedial measures; Supervise implementation of remedial measures.	Confirm receipt of notification of exceedance in writing; Notify Contractor; Ensure remedial actions properly implemented.	Carry out investigation to identify the source/reason of exceedance or complaints. Investigation shall be completed within 1 week; Rectify any unacceptable practice; Amend working methods as required; Inform ET and EPD if the cause of exceedance is considered to be caused by the project; Implement amended working methods	
Exceedance of Limit Level for one or more samples at site boundary, ASRs or exhaust of deodourisation unit	Notify IEC, ER, Contractor and EPD; Identify source of odour; Increase monitoring frequency; Carry out analysis of the operating activities and implementation of odour mitigation measures to determine possible mitigation to be implemented Arrange meeting with IEC and ER to discuss the remedial actions to be taken; Assess effectiveness of the remedial actions and keep IEC, EPD and ER informed of the results; Carry out odour measurement using dynamic olfactometry after implementation of remedial measures to confirm their effectiveness.	Discuss amongst ET, ER and the Contractor on the potential remedial actions; Review the proposed remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly; Supervise implementation of remedial measures.	Confirm receipt of notification of exceedance in writing; Notify Contractor; In consultation with the ET, agree with the Contractor on the remedial measures to be implemented; Ensure remedial measures properly implemented; If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated.	Carry out investigation to identify the source/reason of exceedance. Investigation shall be completed within 1 week; Rectify any unacceptable practice; Amend working methods as required; Inform ET and EPD; Formulate remedial actions; Ensure amended working methods and remedial actions properly implemented. If exceedance continues, consider what portion of the work is responsible and stop that portion of work until the exceedance is abated.	