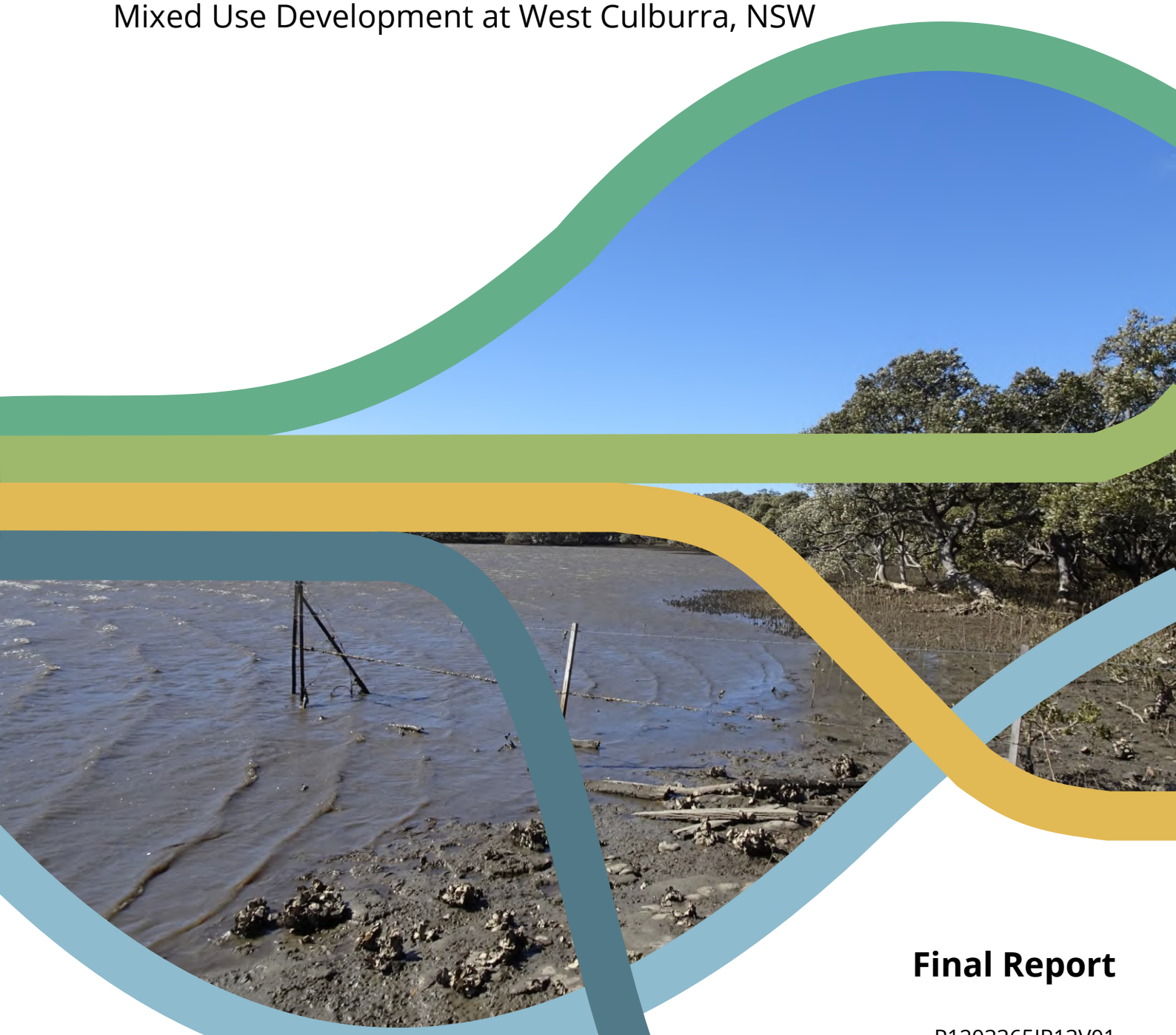
Baseline Water Quality Monitoring – 12 Month Progress Report

Mixed Use Development at West Culburra, NSW



Final Report

P1203365JR13V01
February 2024
Prepared For Sealark Pty Ltd

environmental science & engineering

Project Details

Report Title	Baseline Water Quality Monitoring – 12 Month Progress Report: Mixed Use Development at West Culburra, NSW
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Document History

Issue	Issue Date	Status	Description / Comment	Author	Reviewer	Approved
1	02/02/2024	Draft	Initial release for client review and IE approval	BTM	DM	AN
2	06/02/2024	Final	Final release	BTM	DM	AN

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Executive Summary

Development consent for State Significant Development (**SSD**) (application SSD 3846) (the **Consent**) located on Lot 2 in DP 1279350, Culburra Road Culburra Beach NSW (the **Site**), was granted on 1 December 2021. The Consent approves a mixed use residential and commercial development located on the northern side of Culburra Road between the Crookhaven River Estuary and Lake Wollumboola.

This report documents the progress of the initial twelve months of undertaking baseline water quality monitoring as required by condition C16 (f) and C18 (f) of the Consent. Sites monitored include:

1. Crookhaven River water quality, including oyster lease areas and control sites (17 sites).

2. Surface water quality monitoring within the northern Lake Wollumboola catchment (8 sites).

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Definitions

Al	Aluminium
As	Arsenic
BOD5	Biochemical Oxygen Demand (5-day)
BOM	Bureau of Meteorology
Cr	Chromium
Cu	Copper
DO	Dissolved Oxygen
E. coli	Escherichia coli (bacteria)
EC	Electrical conductivity
FC	Faecal coliforms
Fe	Iron
GW	Groundwater
Hg	Mercury
MA	Martens & Associates Pty Ltd
MPN	Most probable number
NATA	National Association of Testing Authorities
OCP	Organochlorine Pesticides
PAH	Polycyclic Aromatic Hydrocarbons
Pb	Lead
PCB	Polychlorinated Biphenyls
pH	Acidity or alkalinity of a solution
PW	Photo Point
SAT	Saturation
Se	Selenium
SSD	State Significant Development
SW	Surface water
T1	General surface water
T2	Surface water probe
Temp	Temperature
TN	Total nitrogen

TP	Total phosphorus
TRH	Total recoverable hydrocarbons
TSS	Total suspended solids
WQ	Water Quality
WWE	Wet weather events (sampling)

1 Introduction

1.1 Overview

Development consent for State Significant Development (**SSD**) (application SSD 3846) (the **Consent**) located on Lot 2 in DP 1279350, Culburra Road Culburra Beach NSW (the **Site**), was granted on 1 December 2021. The Consent approves a mixed use residential and commercial development located on the northern side of Culburra Road between the Crookhaven River Estuary and Lake Wollumboola (Figure 1).

Figure 1: Study area location and nearby waterbodies.

This report documents the initial twelve months baseline water quality monitoring undertaken at the site. The monitoring has been guided by the Baseline Water Quality Monitoring - Methodology Plan prepared and approved by the independent expert in accordance with condition C16 and C18. Monitoring includes (Figure 2):

1. Surface water within the Site.
2. Groundwater within the Site.

3. Crookhaven River sampling including control sites and oyster lease areas within Curleys Bay and Billys Bay.

4. Crookhaven River nearshore environment condition photo monitoring.

5. Surface water within the northern Lake Wollumboola catchment.

Figure 2: Study area locality

1.2 Scope

The scope of this report includes:

1. Review of monitoring undertaken required.

2. Assessment of compliance of monitoring against the plan established in the Methodology Plan, including discussion of any non-compliances.

3. Summary of results of monitoring and documentation of results.

4. Recommendations for any changes to the Methodology Plan on the basis of completed monitoring.

1.3 Concept Plan Overview

The Consent approves a **Concept Plan** consisting of a staged, mixed-use development situated near the southern side of the Crookhaven River to the west of the existing township of Culburra Beach on the NSW South Coast (Figure 3). In addition to ancillary roads and infrastructure, key development precincts are summarised as follows:

1. **Town Centre Precinct** – including mixed use residential and commercial development located near to the existing Culburra Beach township, sports fields, parks and open space.

2. **Industrial Precinct** – including development adjacent and near to existing industrial areas.

3. **New Residential Precinct** – including residential lots parks and open space.

In terms of development occurring within water catchments, the Concept Plan can be alternatively summarised as follows:

1. **Draining to Crookhaven River** – Approximately 46 ha of urban development comprising of some 40-ha residential / commercial development, 6 ha industrial land and some open space and parkland.

2. **Draining to Lake Wollumboola** – Approximately 0.5 ha of urban development comprising of a link road to the western residential land area of the proposed development from Culburra Road, and a new roundabout at the intersection between the proposed link road and Culburra Road

To manage water quality, the Concept Plan included the following stormwater management infrastructure (refer also to Figure 3):

1. Stormwater retention ponds (x 3).

2. Bioretention basins (x 9).

3. Stormwater re-use areas (x 4).

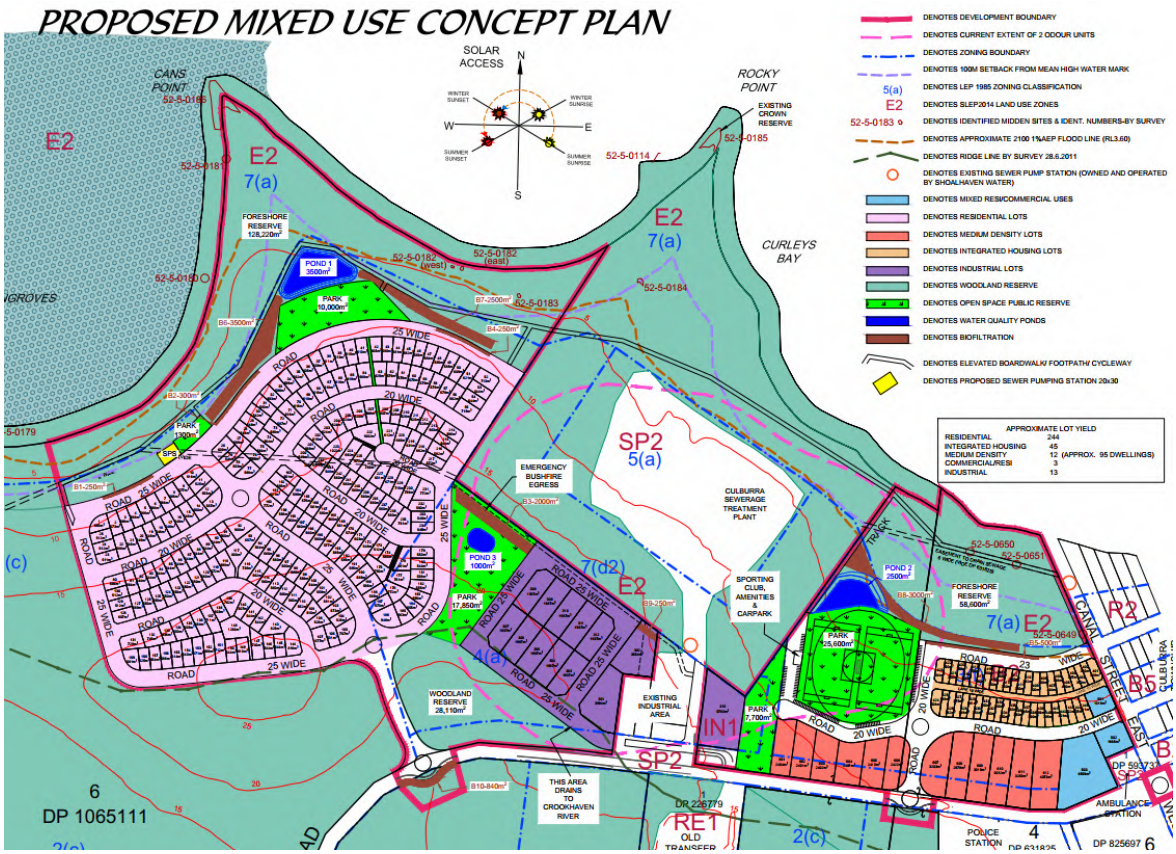


Figure 3: Approved mixed use Concept Plan.

1.4 Report Reviewer

This report has been reviewed by Dr Daniel Martens. Dr Martens maintains over 30 years of experience in both civil engineering and environmental science, which has included authoring, undertaking and supervising numerous surface water and groundwater quality monitoring programs. Dr Martens has been endorsed as the independent expert by Shoalhaven City Council with respect to Conditions C16(a), C17(a) and C18(a) of the Consent Conditions (Appendix D).

2 Monitoring Plan

2.1 Requirements

Water quality monitoring requirements arising out of the Consent are summarised in Table 7. The following is noted:

1. Conditions C1 and C2 require monthly monitoring with 2 wet weather events (**WWE**) during the baseline monitoring period of 18 months.

2. Conditions C16 and C18 require bimonthly monitoring with 3 WWEs during the baseline monitoring period of 18 months. 2 replicate samples are required for each monitoring event at each testing site. Progress reporting is required at 6-monthly intervals until the end of the baseline period.

2.2 Analytes

Water quality monitoring analytes arising out of the Consent are summarised in Table 8 and reflect:

1. All surface water sampling includes testing regimes T1 and T2.

2. All groundwater sampling includes testing regimes T3 – T5.

2.3 Monitoring Sites

On the basis of the outcomes summarised in Table 7, the following sampling locations have been determined:

1. Crookhaven Estuary sampling sites as shown in Map 1

2. Lake Wollumboola sampling sites as shown in Map 2

3. Site sampling sites as shown in Map 3

Monitoring sites, sampling requirements and frequency, are summarised in Table 10. The following is noted:

1. In respect of sampling sites within the Crookhaven Estuary, these have been determined on the basis of the Consent and advice provided by the project ecologist. Where possible, sites have been selected to serve more than one monitoring purpose.

2. In respect of sampling sites within the catchment of Lake Wollumboola:

    a. Three creeks have been selected with at least two locations in each creek. Sampling includes two locations where these creeks discharge into the lake.

b. Where monitoring sites are dry, data shall be recorded as for other monitoring locations and it shall be noted that no water was available. If surface water is found nearby, sampling of that location for the event may be undertaken and the location of the water sampling recorded by GPS position.

3. In respect of sampling sites within the Site, these have been selected based on Map 41 of the IWCMS.

4. Monitoring site locations were selected by the approved independent expert and author of this report.

2.4 Monitoring Frequency

Frequency of monitoring at selected monitoring sites shall be undertaken as summarised in Table 7 and following sections:

2.4.1 Monthly Monitoring

Monthly monitoring, for a minimum 18 months, is to be undertaken at:

1. Surface water sampling sites SW 101 – SW 103.

2. Groundwater sampling sites GW 101 – GW 107.

3. Crookhaven estuary surface water sampling sites SW 205, SW 207 and SW 210.

4. Crookhaven estuary shellfish / oyster sampling site SW 211.

5. Visual survey sampling sites PW 101 – PW 107.

Monitoring shall include a minimum of two WWE over the 18 month baseline period of 18 months for each monitoring site.

2.4.2 Bimonthly Monitoring

Bimonthly (every second month) monitoring for 18 months, is to be undertaken at:

1. Crookhaven estuary surface water monitoring control sites SW 201, SW 202, SW 216 and SW 217.

2. Crookhaven estuary surface water monitoring sites SW 204, SW 209, SW 213 and SW 214.

3. Crookhaven estuary shellfish / oyster sampling site SW 203, SW 206, SW 208, SW 212 and SW 215.

4. All Lake Wollumboola surface water monitoring sites SW 301 – SW 308.

Monitoring shall include a minimum of three WWE over the 18 month baseline period for each monitoring site.

2.4.3 Wet Weather Event (WWE) Monitoring

WWE (included in the schedules described in Sections 2.4.1 and 2.4.2) monitoring is defined as sampling completed (within 48 hours) after a rainfall event of 30 mm (or greater) in a 48 hour period, based on the Curleys Bay Oyster Harvest Area Management Plan (NSW DPI, December 2021). Site specific rainfall monitoring is not required as part of the baseline monitoring. The Bureau of Meteorology (BOM) maintains rainfall monitoring stations (Culburra Treatment Works BOM State 068083 and Greenwell Point Bowling Club BOM Station 068080) which are considered to be representative of site rainfall.

2.5 Sampling Protocol

2.5.1 Sample Collection and Monitoring

Collection protocols for different sample / data types are summarised in Table 9. Sample volume and numbers of samples collected are to be sufficient to allow for required physical and chemical analyses (Table 8) to be undertaken in accordance with laboratory analysis procedures.

2.5.2 Field Measurements

Measurements of physical and chemical parameters shall be completed in the field for surface and groundwater monitoring sites as detailed in Table 8.

Field measurements shall be taken using fully calibrated water quality meters. Calibration shall be against known standards and at frequencies in accordance with manufacturer's recommendations.

2.5.3 Recording of Results

Results of field sampling are to be recorded on field data sampling forms for all surface water, groundwater and photo sites. Records are to include unique sampling identification including monitoring site location, time and date and sampler details.

2.5.4 Sampling Equipment Decontamination

All sampling equipment (bailers, probes, *etc.*) shall be either single use or be decontaminated between sampling locations. Where a sampling site either shows evidence of contamination or has previously been contaminated (e.g. visual confirmation of surface water conditions such as algal bloom or contaminant spill, sample colour, odour, *etc.*), all sampling equipment shall be cleaned thoroughly prior to continuation of sampling. The following methodology is to be used to clean equipment:

1. Rinsed in potable water.
2. Cleaned using solution of Decon 90 or other commercially available phosphate free detergent and manual cleaning with disposable single use cloths to remove any visible contaminants.

3. Rinsed with potable water.
4. Equipment to be rinsed three times with deionised water.
5. Equipment to be allowed to dry prior to reuse.

2.5.5 Quality Assurance and Control

All samples (including grab samples and field measurements) shall be subject to quality assurance protocols.

During each sampling event duplicates are to be collected at a minimum rate of 1 duplicate rate per 10 primary samples. Duplicates are to be laboratory analysed for: heavy metals for surface water samples; and pH and EC for groundwater samples. Results of primary and duplicate samples are to be compared to assess the data quality.

Quality assurance and control protocols during sampling and recording of field measurements will be undertaken for all monitoring and sampling in accordance with ANZECC/ARMCANZ (2000b) guidelines to ensure data integrity.

All grab samples for analysis are to be collected, stored and transported to a NATA accredited laboratory with appropriate sample containers and preservation as relevant to the analyte under chain of custody conditions.

Field measurements shall be checked for accuracy, reproducibility and discrepancies, with resampling as required, prior to leaving each sampling / monitoring site.

Initial field review of data from groundwater loggers shall be undertaken prior to resetting loggers and replacing in piezometers. Dip level shall be taken and compared to logger data to confirm data validity.

2.5.6 Occupational Health and Safety

Sampling shall be undertaken in accordance with relevant occupational health and safety guidelines and any approved risk management plan. Sampling shall only be undertaken at monitoring sites where the site is able to be accessed safely, following an onsite review of weather and water conditions, relevant transportation means and method (e.g. relevant safety and operational checks of vessel, *etc.* to be used to confirm if it is safe to access monitoring sites), safety equipment (e.g. life preserver vests) and other relevant protocols prior to sampling being undertaken.

2.6 Compliance Assessment

2.6.1 Roles, Responsibilities and Training

Roles, responsibilities and training related to baseline water quality monitoring are summarised in Table 11. All persons involved in the baseline water quality monitoring program will require a general site induction and specific risk management training relating to the baseline monitoring program (e.g. review of site conditions, requirements

for safety equipment and clothing, sample management, contamination and spill control, *etc.*).

2.6.2 Data Management

Baseline water quality data management shall include the following:

1. All surface water and groundwater quality testing, sampling and visual survey monitoring sites to be established and identified by GPS coordinates. GPS shall be used during subsequent testing and sampling events to ensure correct monitoring locations are assessed.

2. Each sample shall be identified by the unique sampling location name and dated.

3. All samples collected for laboratory analyses are to be collected, stored and transported in accordance with the laboratory requirements for sample storage and preservation for the analytes specified.

4. Data obtained in field including all field results sheets, downloaded data from groundwater loggers and visual survey photos to be transferred into data storage system for baseline monitoring (data entry to results spreadsheet, scanned copies of field results sheets, uploading into data management system of georeferenced photos *etc.*) as soon as is feasible following each site monitoring event. This shall include appropriate comments and description where necessary to allow for subsequent interpretation and reporting.

2.6.3 Auditing

Audits shall be undertaken to assess compliance of the baseline water quality monitoring program with the Consent Conditions as follows:

1. **Field procedures**. Auditing of sampling process documentation to ensure that all necessary field procedures are being followed and water quality monitoring is being undertaken correctly.

2. **Data management**. Review of collated data to be undertaken after each monitoring event to assess short term trends and to identify any data outliers. Where data outliers are unexplained, additional samples may be collected between specified monitoring events to clarify unexplained data.

3. **Routine checks**. Auditing of baseline water quality monitoring program is to include general internal routine checks of maintenance of required water quality measuring and safety equipment, training of field and data management staff, review of samples management with respect to laboratory samples, *etc*.

2.6.4 Continuous Improvement

Ongoing review of the baseline monitoring program shall be undertaken following site monitoring events and data reviews. Where review identified opportunities for improvement in the process of data acquisition or data management adjustments to the

program shall be made to respond. If implementation of this ongoing improvement of the monitoring program requires, the consent authority may be consulted prior to the implementation of the improvement measures for approval. Review shall include:

1. Identification of any issues with water quality sampling and testing (e.g. access to monitoring sites) and results of sampling and testing.
2. Improvement in sampling techniques and management as necessary (e.g. improved technology / sampling probes, *etc.*).
3. Documentation of changes required to any procedures, sample and data management.
4. Liaison with consent authorities as required.

2.7 Reporting

A summary of reporting requirements is provided in Table 12.

3 Monitoring Undertaken

3.1 Monitoring Events Completed

12 monitoring events have been undertaken which includes 7 bimonthly (including 1 WWE) and 5 monthly sampling events as summarised in Table 1 below. A summary of the monitoring obligations regarding the progress report is provided in Table 2.

Table 1: Monitoring events information.

Event	Monthly / Bimonthly	Date undertaken	WWE (N/Y)
1	Monthly & Bimonthly	05/12/22 to the 09/12/22	N
2	Monthly	09/01/23	N
3	Monthly & Bimonthly	20/02/23 to the 23/02/23	N
4	Monthly	20/03/23	N
5	Monthly & Bimonthly	17/04/23 to the 20/04/23	N
6	Monthly & Bimonthly	01/05/23 to the 03/05/23	Y
7	Monthly & Bimonthly	19/06/23 to the 21/06/23	N
8	Monthly	10/07/23 to the 12/07/23	N
9	Monthly	29/08/23 to the 31/08/23	N
10	Monthly & Bimonthly	18/09/23 to the 20/09/23	N
11	Monthly	16/10/23 to the 18/10/23	N
12	Monthly & Bimonthly	13/11/23 to the 15/11/23	N

Table 2: Summary of monitoring obligations regarding progress report arising out of Consent.

	Surface Water Sites	Estuary Surface Water Sites	
Locations	Lake Wollumboola	Crookhaven	Crookhaven oyster area
Monthly		3	1
Bimonthly	8	12	5

* Refer to Section 2.4.1 and 2.4.2 and Table 10 for more details

3.2 Monitoring Program Compliance Summary

A summary of compliance with required monitoring is provided in Table 3. Whilst there were a number of instances where some of the designated data were not able to be collected, each sampling event was considered to be acceptable. A summary of compliance with the monitoring protocols is provided in Table 4.

Table 3: Summary of compliance of surface water samples collected over monitoring events.

Monitoring Event	Sampling sites[1]	Lab Testing	Water Quality	Compliance Review	Acceptable (Y/N)[2]
1	8	6	6	Testing not completed due to dry conditions, otherwise event is compliant.	Y
2	0[3]	0	0	Event is compliant.	Y
3	8	8	7	Testing not completed due to dry conditions, otherwise event is compliant.	Y
4	0[3]	0	0	Event is compliant.	Y
5	8	8	6	Testing not completed due to dry conditions, otherwise event is compliant.	Y
6	8	8	8	Turbidity testing not undertaken due to probe, otherwise event compliant.	Y
7	8	7	7	Testing not completed due to dry conditions, otherwise event is compliant.	Y
8	0[3]	0	0	Event is compliant.	Y
9	0[3]	0	0	Event is compliant.	Y
10	8	6	6	Testing not completed due to dry conditions, otherwise event is compliant.	Y
11	0[3]	0	0	Event is compliant.	Y
12	8	6	6	Testing not completed due to dry conditions and turbidity testing not undertaken due to probe, otherwise event compliant.	Y

[1] Surface water sampling sites (SW301 to SW308) required sampling.
[2] Compliance reviewed in Section 3.4 and acceptability of event is assessed.
[3] Monthly monitoring events do not include the 8 surface water monitoring locations.

Table 4: Summary of compliance of estuary surface water samples collected over monitoring events.

Monitoring Event	Sampling sites[1]	Lab Testing	Water Quality	Compliance Review	Acceptable (Y/N)[2]
1	17	17	17	Event is compliant.	Y
2	4	4	4	Turbidity testing not undertaken due to probe, otherwise event compliant.	Y
3	17	17	17	Event is compliant.	Y
4	4	4	4	Event is compliant.	Y
5	17	17	16	SW217 missing in situ water quality results due to human error, otherwise event is compliant.	Y
6	17	17	17	Turbidity testing not undertaken due to probe, otherwise event compliant.	Y
7	17	16	16	Testing not completed due to dry conditions, otherwise event is compliant.	Y
8	4	4	4	Event is compliant.	Y

Monitoring Event	Sampling sites[1]	Lab Testing	Water Quality	Compliance Review	Acceptable (Y/N)[2]
9	4	4	4	Event is compliant.	Y
10	17	17	17	Event is compliant.	Y
11	4	4	4	Event is compliant.	Y
12	17	17	17	Turbidity testing not undertaken due to probe, otherwise event compliant.	Y

[1] Estuary surface water sampling sites (SW201 to SW217) required sampling.
[2] Compliance reviewed in Section 3.4 and acceptability of event is assessed.

Table 5: Compliance to monitoring protocols.

Element	Comment	Acceptable (Y/N)[2]
Sampling Protocol	Sample collection protocol (Table 9) has been followed for each monitoring event during sample collection regarding surface water grab samples and water quality probe use.	Y
Field data Management	Results of field sampling were recorded on monitoring sheets, estuary surface water sampling form and surface water sampling form (provided in Appendix), as required during each monitoring period.	Y
Equipment	All sampling equipment (bailers, probes, *etc.*) used during each monitoring events were either single use or decontaminated between sampling locations. All sampling equipment were cleaned thoroughly following the procedure outlined in Section 2.5.4 above prior to sampling when site shows evidence of contamination or has previously been contaminated.	Y
QA/QC	Quality assurance and controls, specified in Section 2.5.5, were undertaken during each monitoring event as required. Comparison of duplicates to primary samples is detailed below to assess data quality (Table 73). Due to the natural heterogeneous nature of waters sampled, observed slight differences in chemical composition are expected and do not impact the validity of the data collected. Field measurements are checked for accuracy, reproductivity, and discrepancies, with re sampling undertaken when required, prior to leaving each sample / monitoring location.	Y
OH&S	Sampling was undertaken in accordance with relevant OH&S guidelines and approved risk management plans during each monitoring event. Sampling was undertaken following a site assessment for safe access to sampling site, onsite review of weather conditions and water conditions, relevant transportation means and method (safety and operational checks), safety equipment and other relevant protocols.	Y
Roles and Responsibilities	All consultants were required to understand their responsibilities and satisfactorily complete required training as specified in Table 11. This includes undergoing a general site induction and specific risk management training in relation to the monitoring site.	Y
Sample Management	All water quality data management requirements as specified in Section 2.6.2 were fulfilled including GPS coordinates	Y

Element	Comment	Acceptable (Y/N)[2]
	(Appendix A – Maps), unique identifiers and dates of recorded data completed for all sites as well as the correct collection, stored and transport of all samples in accordance with lab requirements.	

3.3 Event Commentary

3.3.1 Event 1 – 05 to 09/12/2022

Event 1 was undertaken on December 5 to 9, 2022 and included both monthly and bimonthly monitoring locations as described in Sections 2.4.1 and 2.4.2 along with five duplicate samples (Dup01 to Dup04, GW Dup01) and replicate sampling of surface water and estuary surface water as required (Table 7).

Laboratory testing (T1) and in-situ water quality measurements (T2) have been completed as required (Table 8) with exceptions noted in section 3.4. All data (Laboratory results and water quality field forms) is provided in Appendix C – Event 1 Data and all documentation (water quality meter calibration certificate, laboratory documentations and laboratory report) is provided in Appendix D – Event 1 Documents.

3.3.2 Event 2 – 09 to 12/01/2023

Event 2 was undertaken on January 9 to 12, 2023 and included monthly monitoring locations only, as described in Sections 2.4.1 along with three duplicate samples (Dup02, Dup03 and Dup01 (GW Dup01)).

Laboratory testing (T1) and in-situ water quality measurements (T2) have been completed as required (Table 8) with exceptions noted in section 3.4. All data (Laboratory results and water quality field forms) are provided in Appendix E – Event 2 Data and all documentation (water quality meter calibration certificate, laboratory documentations and laboratory report) is provided in Appendix F – Event 2 Documents.

3.3.3 Event 3 – 20 to 24/02/2023

Event 3 was undertaken on February 20 to 24, 2023 and included both monthly and bimonthly monitoring locations as described in Sections 2.4.1 and 2.4.2 along with five duplicate samples were taken (Dup01 to Dup04, GW Dup01) and replicate sampling of surface water and estuary surface water as required (Table 7).

Laboratory testing (T1) and in-situ water quality measurements (T2) have been completed as required (Table 8) with exceptions noted in section 3.4. All data (Laboratory results and water quality field forms) are provided in Appendix G – Event 3 Data and all documentation (water quality meter calibration certificate, laboratory documentations and laboratory report) is provided in Appendix H – Event 3 Documents.

3.3.4 Event 4 – 20 to 23/03/2023

Event 4 was undertaken on March 20 to 23, 2023 and included monthly monitoring locations only, as described in Sections 2.4.1 along with three duplicate samples (Dup01, Dup02, GW Dup01).

Laboratory testing (T1) and in-situ water quality measurements (T2) have been completed as required (Table 8) with exceptions noted in section 3.4. All data (Laboratory results and water quality field forms) are provided in Appendix I – Event 4 Data and all documentation (water quality meter calibration certificate, laboratory documentations and laboratory report) is provided in Appendix J – Event 4 Documents.

3.3.5 Event 5 – 17 to 20/04/2023

Event 5 was undertaken on April 17 to 20, 2023 and included both monthly and bimonthly monitoring locations as described in Sections 2.4.1 and 2.4.2 along with five duplicate samples (Dup01 to Dup04, GW Dup01) and replicate sampling of surface water and estuary surface water as required (Table 7).

Laboratory testing (T1) and in-situ water quality measurements (T2) have been completed as required (Table 8) with exceptions noted in section 3.4. All data (Laboratory results and water quality field forms) are provided in Appendix K – Event 5 Data and all documentation (water quality meter calibration certificate, laboratory documentations and laboratory report) is provided in Appendix L – Event 5 Documents.

3.3.6 Event 6 – 01 to 03/05/2023

Event 6 was undertaken on May 1 to 3, 2023 and included both monthly and bimonthly monitoring locations as described in Sections 2.4.1 and 2.4.2 along with five duplicate samples (Dup01 to Dup04, GW Dup01) and replicate sampling of surface water and estuary surface water as required (Table 7).

Laboratory testing (T1) and in-situ water quality measurements (T2) have been completed as required (Table 8) with exceptions noted in section 3.4. All data (Laboratory results and water quality field forms) are provided in Appendix M – Event 6 Data and all documentation (water quality meter calibration certificate, laboratory documentations and laboratory report) is provided in Appendix N – Event 6 Documents.

Event 6 is classified as a wet weather event as samples were collected within a 48-hour period following a rainfall event of 30 mm or greater (full description provided in Section 2.4.3). Rainfall of 61.4 mm was recorded at the Culburra Treatment Works (station number 068083) on the 30/04/23 and samples were collected on the 01/05/23 to the 02/05/23 with the exception of SW210 to SW214 which were collected on the 03/05/23 due to time constraints. Rainfall data is provided in Table 43.

3.3.7 Event 7 – 19 to 21/06/2023

Event 7 was undertaken on June 19 to 21, 2023 and included both monthly and bimonthly monitoring locations as described in Sections 2.4.1 and 2.4.2 along with five duplicate

samples (Dup01 to Dup04, GW Dup01) and replicate sampling of surface water and estuary surface water as required (Table 7).

Laboratory testing (T1) and in-situ water quality measurements (T2) have been completed as required (Table 8) with exceptions noted in section 3.4. All data (Laboratory results and water quality field forms) are provided in Appendix O – Event 7 Data and all documentation (water quality meter calibration certificate, laboratory documentations and laboratory report) is provided in Appendix P – Event 7 Documents.

3.3.8 Event 8 – 10 to 12/07/2023

Event 8 was undertaken on July 10 to 12, 2023 and included monthly monitoring locations only, as described in Sections 2.4.1 along with three duplicate samples (Dup01, Dup02, GW Dup01).

Laboratory testing (T1) and in-situ water quality measurements (T2) have been completed as required (Table 8). All data (Laboratory results and water quality field forms) are provided in Appendix Q – Event 8 Data and all documentation (water quality meter calibration certificate, laboratory documentations and laboratory report) is provided in Appendix R – Event 8 Documents.

3.3.9 Event 9 – 29 to 31/08/2023

Event 9 was undertaken on August 29 to 31, 2023 and included monthly monitoring locations only, as described in Sections 2.4.1 along with three duplicate samples (Dup01, Dup02, GW Dup01).

Laboratory testing (T1) and in-situ water quality measurements (T2) have been completed as required (Table 8). All data (Laboratory results and water quality field forms) are provided in Appendix S – Event 9 Data and all documentation (water quality meter calibration certificate, laboratory documentations and laboratory report) is provided in Appendix T – Event 9 Documents.

3.3.10 Event 10 – 18 to 20/09/2023

Event 10 was undertaken on September 10 to 18, 2023 and included both monthly and bimonthly monitoring locations as described in Sections 2.4.1 and 2.4.2 along with five duplicate samples (Dup01 to Dup04, GW Dup01) and replicate sampling of surface water and estuary surface water as required (Table 7).

Laboratory testing (T1) and in-situ water quality measurements (T2) have been completed as required (Table 8). All data (Laboratory results and water quality field forms) are provided in Appendix U – Event 10 Data and all documentation (water quality meter calibration certificate, laboratory documentations and laboratory report) is provided in Appendix V – Event 10 Documents.

3.3.11 Event 11 – 16 to 18/10/2023

Event 11 was undertaken on October 16 to 18, 2023 and included monthly monitoring locations only, as described in Sections 2.4.1 along with three duplicate samples (Dup01, Dup02, GW Dup01).

Laboratory testing (T1) and in-situ water quality measurements (T2) have been completed as required (Table 8). All data (Laboratory results and water quality field forms) are provided in Appendix W – Event 11 Data and all documentation (water quality meter calibration certificate, laboratory documentations and laboratory report) is provided in Appendix X – Event 11 Documents.

3.3.12 Event 12 – 13 to 15/11/2023

Event 12 was undertaken on November 13 to 15, 2023 and included both monthly and bimonthly monitoring locations as described in Sections 2.4.1 and 2.4.2 along with five duplicate samples (Dup01 to Dup04, GW Dup01) and replicate sampling of surface water and estuary surface water as required (Table 7).

Laboratory testing (T1) and in-situ water quality measurements (T2) have been completed as required (Table 8) with exceptions noted in section 3.4. All data (Laboratory results and water quality field forms) are provided in Appendix Y – Event 12 Data and all documentation (water quality meter calibration certificate, laboratory documentations and laboratory report) is provided in Appendix Z – Event 12 Documents.

3.3.13 Summary of All Events Data

A summary of all events data is provided in Appendix AA – Summary All Event Data, including laboratory data, water quality data and overall statistics.

3.4 Non-conformance Commentary

Generally, all monitoring events complied with the Methodology Plan. Minor noncompliance's which arose are detailed in Table 6.

Table 6: Summary and review of non-compliance across all monitoring events.

Monitoring Events	Non-Compliance	Comment
1	No sample collect at SW301 and SW302	Sampling and water quality at SW301 and SW302 were not undertaken due to dry conditions causing inadequate water, within a 100m of sampling locations, for sampling. Event considered acceptable.
2	Water quality: No turbidity results for any samples	Water quality probe unable to record turbidity.[1] Event considered acceptable.
3	Water quality: No results for SW302	Water quality at SW302 was not undertaken due to dry conditions causing inadequate water, within a 100m of location, for sampling.

Monitoring Events	Non-Compliance	Comment
		Event considered acceptable.
5	Water quality: No results for SW301, SW304, SW307	Sampling and water quality at SW301, SW304 and SW307 were not undertaken due to dry conditions causing inadequate water, within a 100m of sampling location, for sampling. Event considered acceptable.
6	Water quality: No turbidity results for any samples	Water quality probe unable to record turbidity.[1] Event considered acceptable.
7	No sample collect at SW204 and SW301	Sampling and water quality at SW204 and SW301 were not undertaken due to dry conditions causing inadequate water, within a 100m of sampling location, for sampling. Event considered acceptable.
10	No sample collect at SW301 and SW308	Sampling and water quality at SW301 and SW308 were not undertaken due to dry conditions causing inadequate water, within a 100m of sampling location, for sampling. Event considered acceptable.
12	No sample collect at SW301 and SW308 Water quality: No turbidity results for any samples	Sampling and water quality at SW301 and SW308 were not undertaken due to dry conditions causing inadequate water, within a 100m of sampling location, for sampling. Water quality probe unable to record turbidity.[1] Event considered acceptable.

[1] Hire of a water quality meter able to test for turbidity was unavailable at time of sampling.

3.5 Event Monitoring Data

Laboratory data and water quality data for both estuary surface water and surface water, with brief statistics are provided in the Appendix C to Z.

Laboratory data includes FC, E. coli, TSS, TN, orthophosphate, TP, PAH, TRH, PCB, Chlorophyll a, metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn) and OCP as specified in Table 8. Water quality data includes pH, temperature, EC / salinity, DO and turbidity as specified in Table 8.

All data and documentation (water quality meter calibration certificate, laboratory documentations and laboratory report, estuary surface water sampling form and surface water sampling form) are provided in the appendixes of their related events.

3.6 Plan Improvements

Based on the outcomes of the monitoring undertaken to date, the following amendments will be implemented:

1. Review laboratory reports immediately on receipt to check that all requested testing has been completed by lab.

2. Book water quality probes 1 month in advance to ensure probes are available for field work.

No further actions to mitigate issues arising from no available water at selected surface water monitoring location (SW30#) is proposed at this time. The process of searching the channel 100 m up and downslope of the identified location shall be continued to maximise the opportunity to collect relevant local data from each location for each monitoring event.

4 Recommended Changes to Monitoring Plan

No changes to the approved monitoring plan are proposed at this stage.

Appendix A – Maps

0 200 400 600 800 1,000 m

1:20000 @ A4

Viewport 1

Notes:
- Aerial image from Nearmap (2019).

martens
Environment | Water | Geotechnics | Civil | Projects

Project No: P1203365 Map Set: MS11-R01 EPSG: 28356

Map Title / Figure:

Crookhaven Estuary Sampling Sites

Map 01	Map
West Culburra, NSW	Site
Proposed Mixed Use Subdivision	Project
Sealark Pty Ltd	Client
13/10/2022	Date

0 200 400 600 800 1,000 m

1:20000 @ A4

Viewport 2

Notes:
- Aerial image from Nearmap (2019).

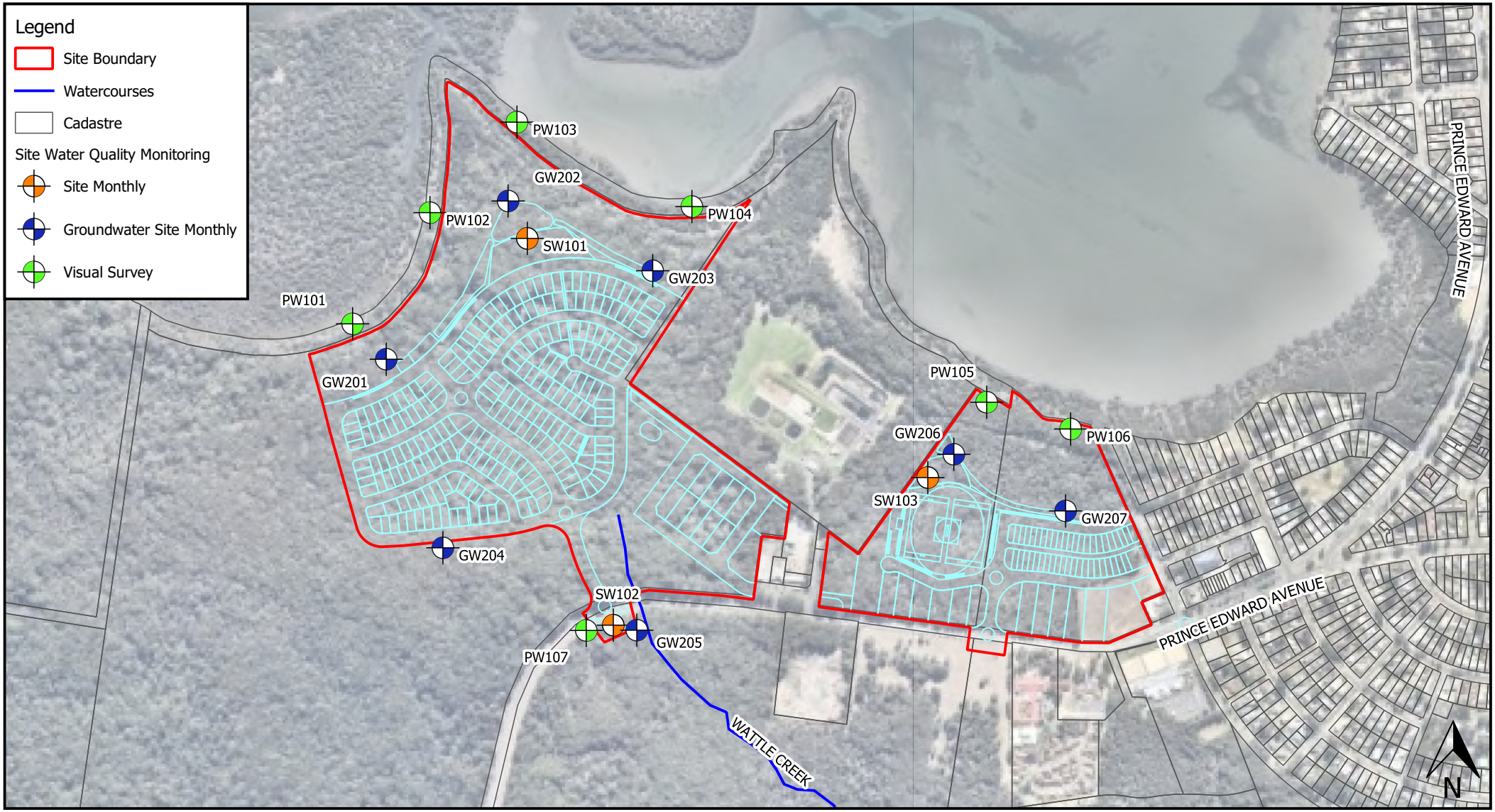
martens
Environment | Water | Geotechnics | Civil | Projects

Project No: P1203365 Map Set: MS11-R01 EPSG: 28356

Map Title / Figure:

Lake Wollumboola Sampling Sites

Map 02	Map
West Culburra, NSW	Site
Proposed Mixed Use Subdivision	Project
Sealark Pty Ltd	Client
13/10/2022	Date



0 100 200 300 400 500 m

1:10000 @ A4

Viewport 3

Notes:
- Aerial image from Nearmap (2019).

martens
Environment | Water | Geotechnics | Civil | Projects

Project No: P1203365 Map Set: MS11-R01 EPSG: 28356

Map Title / Figure:

Site Sampling Locations

Map 03	Map
West Culburra, NSW	Site
Proposed Mixed Use Subdivision	Project
Sealark Pty Ltd	Client
13/10/2022	Date

Appendix B – Monitoring Tables

Table 7: Summary of monitoring obligations arising out of Consent.

Condition	Component	Site Surface Water	Crookhaven Estuary Surface Water	Lake Wollumboola Catchment	Site Groundwater	Crookhaven Oyster Area Surface Water	Visual Survey
C1 and C2	No. of Sites	3	3	-	7	1	7
	Analytes	T1, T2	T1, T2	-	T3, T4, T5	T1, T2	T6
	Replicates	-	-	-	-	-	-
	Frequency - Routine	Monthly for 18 months	-	-	Monthly for 18 months	Monthly for 18 months	Monthly for 18 months
	Frequency - Wet Weather[1]	2 WWE in 18 months	-	-	2 WWE in 18 months	2 WWE in 18 months	2 WWE in 18 months
C16 and C18	No. of Sites		12[1, 2]	8[3]	-	6[4]	-
	Analytes	-	T1, T2	T1, T2	-	T1, T2	-
	Replicates	-	2	2	-	2	-
	Frequency - Routine	-	Bimonthly for 18 months	Bimonthly for 18 months	-	Bimonthly for 18 months	-
	Frequency - Wet Weather[3]	-	3 WWE in 18 months	3 WWE in 18 months	-	3 WWE in 18 months	-

Notes

1. C16(c)-(d): Includes 8 sites within Curleys Bay/Billys Bay, including 2 sites each within Billys Bay, between Crow Island and the northern boundary of the Concept Proposal site, within the south eastern portion of Curleys Bay and within the northern part of Curleys Bay (near the existing Culburra township).
2. C16(c): Includes 2 upstream and 2 downstream control sites.
3. C16(e): Includes Wattle Creek and two other creeks within Lake Wollumboola catchment between Culburra Road and the Lake, with 2 samples on each creek.
4. C18(c)-(d) and advice from project ecologist.

[1] Minimum 30 mm in 48 hours based on the Curleys Bay Oyster Harvest Area Management Plan (NSW DPI, December 2021).

Table 8: Water quality analytes / parameters to be assessed.

Analyte Test Regime	Methodology	Water Quality Analytes to be Assessed
T1 General surface water	Grab sample from upper 100 mm of water column to NATA accredited laboratory	FC, E. coli, TSS, TN, orthophosphate, TP, PAH, TRH, PCB, Chlorophyll a, metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn) and OCP
T2 Surface water probe	In-situ water quality probe at top (upper 100 mm) and bottom of profile.	pH, temperature, EC / salinity, DO and turbidity
T3 Groundwater quality	Grab sample of water to NATA accredited laboratory	FC, TN, orthophosphate and TP
T4 Groundwater probe	In-situ groundwater quality probe	pH, temp, and EC / salinity
T5 Groundwater level	In-situ groundwater diver	Groundwater level (m), air pressure (kPa)
T6 Visual survey	In-situ photography of visual survey site	Minimum 3 photos at each inspection at each monitoring location. Coastal wetlands, mangroves and riparian vegetation assessment: excessive sediment accumulation, significant vegetation dieback or change in species composition, major gross pollution deposition

Table 9: Sampling collection methodology by monitoring sample type.

Sample Type	Sample Collection and Handling
Surface water grab samples	Sample to be collected by hand in approved container (sample bottle provided by NATA accredited laboratory or decontaminated sampling equipment) and stored at appropriate temperature in a suitable container for transportation to laboratory under chain of custody controls.
Groundwater grab sample	Sample to be collected from groundwater piezometer by decontaminated or single use groundwater bailer and placed in approved container (sample bottle provided by NATA accredited laboratory) and stored at appropriate temperature in a suitable container for transportation to laboratory under chain of custody controls.
Surface water probe	Probe to be placed into water column at appropriate depth and measurements taken in accordance with probe instructions (re: minimum sampling time and stabilisation of readings, relevant probe angle, *etc.*). Probe to be decontaminated between sites.
Groundwater probe	Probe to be placed directly in groundwater within piezometer at appropriate depth or to be in water recovered by low flow pumps and measurements taken in accordance with probe instructions. Probe to be decontaminated between uses at different piezometers.
Air and groundwater pressure data	Pressure transducer / data logger unit to be recovered and data downloaded for relevant monitoring period. Unit to be replaced in piezometer once data is collected.
Visual survey	Photographs to be taken at same position and in same direction at each sampling site to ensure consistency of survey.

Table 10: Monitoring sites.

Site ID	Testing	Former ID	Condition	Purpose	Frequency
Site Surface Water					
SW101	T1, T2	SW1 IWCMS Map 41	Satisfies C1, C2	Site baseline	Monthly incl. 2 WWE
SW102	T1, T2	SW2 IWCMS Map 41	Satisfies C1, C2	Site baseline	Monthly incl. 2 WWE
SW103	T1, T2	SW3 IWCMS Map 41	Satisfies C1, C2	Site baseline	Monthly incl. 2 WWE
Site Groundwater					
GW201	T3, T4, T5	GW1 IWCMS Map 41	Satisfies C1, C2	Site baseline	Monthly incl. 2 WWE
GW202	T3, T4, T5	GW2 IWCMS Map 41	Satisfies C1, C2	Site baseline	Monthly incl. 2 WWE
GW203	T3, T4, T5	GW3 IWCMS Map 41	Satisfies C1, C2	Site baseline	Monthly incl. 2 WWE
GW204	T3, T4, T5	GW4 IWCMS Map 41	Satisfies C1, C2	Site baseline	Monthly incl. 2 WWE
GW205	T3, T4, T5	GW5 IWCMS Map 41	Satisfies C1, C2	Site baseline	Monthly incl. 2 WWE
GW206	T3, T4, T5	GW6 IWCMS Map 41	Satisfies C1, C2	Site baseline	Monthly incl. 2 WWE
GW207	T3, T4, T5	GW7 IWCMS Map 41	Satisfies C1, C2	Site baseline	Monthly incl. 2 WWE
Site Visual Survey					
PW101	T6	PW1 IWCMS Map 41	Satisfies C1, C2	Site baseline	Monthly incl. 2 WWE
PW102	T6	PW2 IWCMS Map 41	Satisfies C1, C2	Site baseline	Monthly incl. 2 WWE
PW103	T6	PW3 IWCMS Map 41	Satisfies C1, C2	Site baseline	Monthly incl. 2 WWE
PW104	T6	PW4 IWCMS Map 41	Satisfies C1, C2	Site baseline	Monthly incl. 2 WWE
PW105	T6	PW5 IWCMS Map 41	Satisfies C1, C2	Site baseline	Monthly incl. 2 WWE
PW106	T6	PW6 IWCMS Map 41	Satisfies C1, C2	Site baseline	Monthly incl. 2 WWE
PW107	T6	PW7 IWCMS Map 41	Satisfies C1, C2	Site baseline	Monthly incl. 2 WWE
Crookhaven Estuary / Oyster Area Surface Water					
SW201	T1, T2	-	Satisfies C16 baseline	Control site	Bi-monthly incl. 3 WWE
SW202	T1, T2	-	Satisfies C16 baseline	Control site	Bi-monthly incl. 3 WWE
SW203	T1, T2	-	Satisfies C18 baseline	Oyster/bay site	Bi-monthly incl. 3 WWE
SW204	T1, T2	-	Satisfies C16 baseline	Bay site	Bi-monthly incl. 3 WWE
SW205	T1, T2	WQ1 IWCMS Map 41	Satisfies C1, C2, C16 baseline	Bay site	Monthly incl. 2 WWE
SW206	T1, T2	-	Satisfies C18 baseline	Oyster/bay site	Bi-monthly incl. 3 WWE
SW207	T1, T2	WQ2 IWCMS Map 41	Satisfies C1, C2, C16 baseline	Bay site	Monthly incl. 2 WWE
SW208	T1, T2	-	Satisfies C18 baseline	Oyster/bay site	Bi-monthly incl. 3 WWE
SW209	T1, T2	-	Satisfies C16 baseline	Bay site	Bi-monthly incl. 3 WWE
SW210	T1, T2	WQ3 IWCMS Map 41	Satisfies C1, C2, C16 baseline	Bay site	Monthly incl. 2 WWE
SW211	T1, T2	SF1 IWCMS Map 41	Satisfies C1, C2, C16, C18 baseline	Oyster/bay site	Monthly incl. 2 WWE
SW212	T1, T2	-	Satisfies C18 baseline	Oyster/bay site	Bi-monthly incl. 3 WWE
SW213	T1, T2	-	Satisfies C16 baseline	Bay site	Bi-monthly incl. 3 WWE
SW214	T1, T2	-	Satisfies C16 baseline	Bay site	Bi-monthly incl. 3 WWE
SW215	T1, T2	-	Satisfies C18 baseline	Oyster/bay site	Bi-monthly incl. 3 WWE
SW216	T1, T2	-	Satisfies C16 baseline	Control site	Bi-monthly incl. 3 WWE
SW217	T1, T2	-	Satisfies C16 baseline	Control site	Bi-monthly incl. 3 WWE
Lake Wollumboola Surface Water					
SW301	T1, T2	-	Satisfies C16 baseline	Lake baseline	Bi-monthly incl. 3 WWE
SW302	T1, T2	-	Satisfies C16 baseline	Lake baseline	Bi-monthly incl. 3 WWE
SW303	T1, T2	-	Satisfies C16 baseline	Lake baseline	Bi-monthly incl. 3 WWE
SW304	T1, T2	-	Satisfies C16 baseline	Lake baseline	Bi-monthly incl. 3 WWE
SW305	T1, T2	-	Satisfies C16 baseline	Lake baseline	Bi-monthly incl. 3 WWE
SW306	T1, T2	-	Satisfies C16 baseline	Lake baseline	Bi-monthly incl. 3 WWE
SW307	T1, T2	-	Satisfies C16 baseline	Lake baseline	Bi-monthly incl. 3 WWE
SW308	T1, T2	-	Satisfies C16 baseline	Lake baseline	Bi-monthly incl. 3 WWE

Table 11: Summary of roles, responsibilities and training related to baseline water quality monitoring.

Role	Responsibilities	Required Training
Site owner / developer.	• Organisation of site access and transportation measures where necessary.	• No specific training requirements.
Transportation operator.	• Maintenance and operation of transportation required to access monitoring sites (e.g. boat, 4WD, *etc.*).	• General site induction. • Risk assessment and occupational health and safety requirements. • Appropriate NSW vehicle operating licences.
Water quality sampling officer / engineer.	• Organisation of site monitoring events (including remote wet weather monitoring for determining when wet weather monitoring may be undertaken). This may include liaison with site owner / developer and relevant consent authorities to discuss monitoring requirements as necessary. • Collection of water quality grab samples. • Field testing of water quality parameters by probe. • Collection and download of groundwater data from all divers. Replacement of divers as necessary. • Visual survey photography. • Decontamination and onsite management of water quality sampling and testing equipment. • Organisation of laboratory analyses of grab samples including full chain of custody. • Review of site monitoring and debrief following each site monitoring event.	• General site induction. • Field sampling training including sample collection, storage and transport, field measurement using water quality probe(s) and familiarisation with field results sheets. • Equipment maintenance and decontamination in field. • Quality assurance training.
Water quality data storage and collation (may be same person as water quality sampling officer / engineer).	• Management / collation of water quality data including all laboratory results and field measurements (water quality and physical measurements). • Collation and review of local climate conditions (rainfall, evaporation, temperature, pressure, *etc.*) for establishment of relationships between water quality results and site climate conditions (where applicable).	• Water quality data analyses and management. • Laboratory samples handling (where necessary).
Civil engineer (may be same person as water quality sampler / engineer).	• Write up of progress and final baseline water quality reports. • Review and amendment of monitoring requirements including liaison with relevant consent authorities to discuss baseline water quality monitoring results and program.	• Water quality data interpretation and reporting.

Table 12: Summary of reporting requirements.

Report	Due	Submission Authority
Interim baseline water quality monitoring report	After 6 months of baseline monitoring plan.	Shoalhaven City Council
Interim baseline water quality monitoring report	After 12 months of baseline monitoring plan.	Shoalhaven City Council
Annual water quality monitoring report	Within 2 months of data collection contained in Annual Report	Shoalhaven City Council
Final baseline water quality monitoring report	After minimum 18 months of baseline monitoring.	Shoalhaven City Council Results of baseline monitoring to be presented to NSW DPI, NSW DPI Fisheries, NSW EPA and NSW oyster industry. Results to be made available on website.

Appendix C – Event 1 Data

Table 13: Surface water - laboratory data event 1

		TRH					Biological			Halogenated Benzenes	Inorganics				Metals								
		C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)	Aluminium	Arsenic	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
		µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL		10	50	100	100	50	1	1	0.001	0.2	0.1	0.05	0.005	5	0.01	0.001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Date**																						
SW303	**09 Dec 2022**	<10	<50	<100	<100	<50	1,000 NBO	1,000 NBO	0.01	<0.2	0.8	0.2	<0.005	360	1.5	0.004	0.003	0.002	5.7	0.003	<0.00005	<0.001	0.005
SW303	**09 Dec 2022**	<10	<50	<100	<100	<50	<1,000.0	<1,000.0	0.02	<0.2	0.7	0.2	<0.005	90	2	0.005	0.004	0.004	7.9	0.004	<0.00005	<0.001	0.01
SW304	**09 Dec 2022**	<10	300	460	<100	760	18 mpn	18 mpn	0.02	<0.2	2.2	0.2	<0.005	30	1.9	0.005	0.003	0.002	10	0.005	<0.00005	<0.001	0.009
SW304	**09 Dec 2022**	<10	130	170	<100	300	18 mpn	18 mpn	0.03	<0.2	2.0	0.1	<0.005	54	1.7	0.004	0.004	0.003	9.6	0.003	<0.00005	<0.001	0.007
SW305	**09 Dec 2022**	<10	60	<100	<100	60	<100	<100	0.01	<0.2	1.0	<0.1	<0.005	22	0.13	0.001	0.001	0.008	0.32	<0.001	<0.00005	<0.001	0.031
SW305	**09 Dec 2022**	<10	<50	<100	<100	<50	<100	<100	0.02	<0.2	0.8	<0.1	<0.005	84	0.53	0.001	0.001	0.002	1.5	0.001	<0.00005	<0.001	0.011
SW306	**09 Dec 2022**	<10	<50	<100	<100	<50	<100	<100	0.01	<0.2	0.8	<0.1	<0.005	210	0.62	0.002	0.002	<0.001	1.9	0.001	<0.00005	<0.001	0.003
SW306	**09 Dec 2022**	<10	<50	<100	<100	<50	<100	<100	0.003	<0.2	0.9	<0.1	<0.005	62	0.53	0.002	0.001	<0.001	1.4	<0.001	<0.00005	<0.001	0.003
SW307	**09 Dec 2022**	<10	130	300	<100	430	18 mpn	18 mpn	0.007	<0.2	1.5	0.1	0.008	370	3.3	0.003	0.005	0.002	16	0.006	<0.00005	<0.001	0.008
SW307	**09 Dec 2022**	<10	200	440	<100	640	18 mpn	18 mpn	0.006	<0.2	1.5	0.2	0.01	360	3.7	0.003	0.006	0.003	16	0.006	<0.00005	<0.001	0.091
SW308	**09 Dec 2022**	<10	87	270	<100	360	700 mpn	700 mpn	0.097	<0.2	1.7	0.8	<0.005	1,900	13	0.019	0.02	0.015	80	0.033	0.00005	0.002	0.032
SW308	**09 Dec 2022**	<10	85	370	<100	460	130 mpn	13 mpn	0.076	<0.2	1.7	0.09	<0.005	920	1.1	0.004	0.002	0.003	4.9	0.002	<0.00005	<0.001	0.006
Statistics																							
Number of Results		**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**
Number of Detects		**0**	**7**	**6**	**0**	**7**	**0**	**0**	**12**	**0**	**12**	**8**	**2**	**12**	**12**	**12**	**12**	**10**	**12**	**12**	**1**	**1**	**12**
Minimum Concentration		**<10**	**<50**	**<100**	**<100**	**<50**	**<100**	**<100**	**0.003**	**<0.2**	**0.7**	**0.09**	**<0.005**	**22**	**0.13**	**0.001**	**0.001**	**<0.001**	**0.32**	**0.001**	**0.00005**	**<0.001**	**0.003**
Maximum Concentration		**<10**	**300**	**460**	**<100**	**760**	**<1,000**	**<1,000**	**0.097**	**<0.2**	**2.2**	**0.8**	**0.01**	**1,900**	**13**	**0.019**	**0.02**	**0.015**	**80**	**0.033**	**0.00005**	**0.002**	**0.091**
Average Concentration *		**10**	**104**	**218**	**100**	**272**	**280**	**280**	**0.026**	**0.2**	**1.3**	**0.19**	**0.0057**	**372**	**2.5**	**0.0044**	**0.0043**	**0.0038**	**13**	**0.0055**	**0.00005**	**0.0011**	**0.018**
Median Concentration *		**10**	**72.5**	**135**	**100**	**180**	**100**	**100**	**0.015**	**0.2**	**1.25**	**0.1**	**0.005**	**150**	**1.6**	**0.0035**	**0.003**	**0.0025**	**6.8**	**0.003**	**0.00005**	**0.001**	**0.0085**

* A Non Detect Multiplier of 1 has been applied.

		Organochlorine Pesticides																	
		4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Date**																			
SW303	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW303	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW304	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW304	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW307	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW307	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW308	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW308	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Statistics																				
Number of Results		**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Maximum Concentration		**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Average Concentration *		**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**
Median Concentration *		**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

* A Non Detect Multiplier of 1 has been applied.

		PAH																
		Benzo(b+j+k)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
		mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL		0.002	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.005	0.001
Location Code	**Date**																	
SW303	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW303	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW304	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW304	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW305	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW305	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW306	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW306	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW307	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW307	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW308	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW308	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
Statistics																		
Number of Results		**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**12**
Minimum Concentration		**<0.002**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<0.005**	**0**
Maximum Concentration		**<0.002**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<0.005**	**0**
Average Concentration *		**0.002**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**0.005**	**0**
Median Concentration *		**0.002**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**0.005**	**0**

* A Non Detect Multiplier of 1 has been applied.

		PCBs							TPH				
		Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Date**												
SW303	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW303	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW304	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	90	640	100	840
SW304	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	250	<100	250
SW305	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW305	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW306	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW306	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW307	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	64	290	130	480
SW307	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	86	420	170	680
SW308	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	230	110	340
SW308	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	290	150	440
Statistics													
Number of Results		**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**6**	**5**	**6**
Minimum Concentration		**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**100**	**<50**
Maximum Concentration		**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**90**	**640**	**170**	**840**
Average Concentration *		**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**58**	**227**	**113**	**278**
Median Concentration *		**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**165**	**100**	**150**

* A Non Detect Multiplier of 1 has been applied.

Table 14: Estuary surface water - laboratory data event 1

		TRH					Biological			Halogenated Benzenes	Inorganics				Metals								
		C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)	Aluminium	Arsenic	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
		µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL		10	50	100	100	50	1	1	0.001	0.2	0.1	0.05	0.005	5	0.01	0.001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Date**																						
SW201	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.2	<0.05	0.02	<5	0.06	0.002	0.001	<0.001	0.12	<0.001	<0.00005	<0.001	<0.001
SW201	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.1	<0.05	0.01	<5	0.06	0.002	0.002	<0.001	0.12	<0.001	<0.00005	<0.001	0.001
SW202	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	<5	0.08	0.002	0.002	<0.001	0.15	<0.001	<0.00005	<0.001	<0.001
SW202	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.1	<0.05	0.01	<5	0.07	0.002	0.001	<0.001	0.14	<0.001	<0.00005	<0.001	<0.001
SW203	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	10	0.13	0.002	0.002	<0.001	0.21	<0.001	<0.00005	<0.001	0.019
SW203	**09 Dec 2022**	<10	<50	<100	<100	<50	10^A	10^A	0.002	<0.2	0.1	<0.05	0.01	9	0.13	0.002	0.002	<0.001	0.25	<0.001	<0.00005	<0.001	<0.001
SW204	**09 Dec 2022**	<10	<50	<100	<100	<50	<100	<100	<0.001	<0.2	0.4	0.1	0.006	44	0.58	0.002	0.002	0.001	1.8	<0.001	<0.00005	<0.001	0.009
SW204	**09 Dec 2022**	<10	<50	<100	<100	<50	100 & >10	100 & >10	0.004	<0.2	0.3	0.06	0.007	32	0.37	0.002	0.002	0.001	0.84	<0.001	<0.00005	<0.001	0.01
SW205	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.009	8	0.08	0.002	0.002	<0.001	0.12	<0.001	<0.00005	<0.001	<0.001
SW205	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.1	<0.05	0.009	7	0.08	0.002	0.001	<0.001	0.13	<0.001	<0.00005	<0.001	<0.001
SW206	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	8	0.05	0.002	0.002	<0.001	0.098	<0.001	<0.00005	<0.001	0.01
SW206	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	<0.1	<0.05	0.01	6	0.07	0.002	0.001	<0.001	0.094	<0.001	<0.00005	<0.001	<0.001
SW207	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.006	12	0.11	0.002	0.001	0.001	0.14	<0.001	<0.00005	<0.001	0.005
SW207	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.008	14	0.09	0.001	<0.001	0.002	0.16	<0.001	<0.00005	<0.001	0.002
SW208	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.009	18	0.06	0.001	<0.001	<0.001	0.1	<0.001	<0.00005	<0.001	<0.001
SW208	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.009	8	0.08	0.002	0.001	<0.001	0.12	<0.001	<0.00005	<0.001	<0.001
SW209	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	6	0.13	0.001	0.001	<0.001	0.19	<0.001	<0.00005	<0.001	<0.001
SW209	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.1	<0.05	0.009	6	0.12	0.002	0.001	<0.001	0.19	<0.001	<0.00005	<0.001	0.002
SW210	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.009	9	0.1	0.001	0.002	<0.001	0.2	<0.001	<0.00005	<0.001	0.001
SW210	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.009	9	0.12	0.002	0.001	<0.001	0.19	<0.001	<0.00005	<0.001	<0.001
SW211	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	15	0.18	0.002	0.001	<0.001	0.26	<0.001	<0.00005	<0.001	0.001
SW211	**09 Dec 2022**	<10	<50	<100	<100	<50	10^A	10^A	0.002	<0.2	0.1	<0.1	0.01	72	0.19	0.002	0.001	<0.001	0.32	<0.001	<0.00005	<0.001	<0.001
SW212	**09 Dec 2022**	<10	<50	<100	<100	<50	10^A	10^A	<0.001	<0.2	0.1	<0.05	0.01	46	0.16	0.002	0.001	<0.001	0.21	<0.001	<0.00005	<0.001	<0.001
SW212	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.2	<0.05	0.01	54	0.12	0.001	<0.001	<0.001	0.2	<0.001	<0.00005	<0.001	<0.001
SW213	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.1	<0.05	0.01	<5	0.1	0.002	0.001	<0.001	0.19	<0.001	<0.00005	<0.001	<0.001
SW213	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.1	<0.05	0.01	10	0.1	0.001	0.001	<0.001	0.18	<0.001	<0.00005	<0.001	0.005
SW214	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.1	<0.05	0.008	20	0.32	0.002	0.001	<0.001	0.48	<0.001	<0.00005	<0.001	<0.001
SW214	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.1	<0.05	0.006	20	0.3	0.002	0.001	<0.001	0.53	<0.001	<0.00005	<0.001	0.002
SW215	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.2	<0.05	0.009	10	0.12	0.002	0.001	0.001	0.19	<0.001	<0.00005	<0.001	0.003
SW215	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.05	0.01	7	0.1	0.002	0.001	<0.001	0.15	<0.001	<0.00005	<0.001	0.005
SW216	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	0.01	6	0.01	0.002	0.001	<0.001	0.02	<0.001	<0.00005	<0.001	<0.001
SW216	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	<0.1	<0.1	0.01	<5	0.01	0.002	0.001	<0.001	0.023	<0.001	<0.00005	<0.001	<0.001
SW217	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	<0.1	<0.1	0.009	<5	0.02	0.002	<0.001	<0.001	0.036	<0.001	<0.00005	<0.001	<0.001
SW217	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	<0.1	<0.1	0.008	14	0.02	0.002	<0.001	<0.001	0.034	<0.001	<0.00005	<0.001	<0.001

Statistics

Number of Results		**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**15**	**0**	**28**	**2**	**34**	**27**	**34**	**34**	**29**	**5**	**34**	**0**	**0**	**0**	**14**
Minimum Concentration		**<10**	**<50**	**<100**	**<100**	**<50**	**<10**	**<10**	**0.001**	**<0.2**	**0.1**	**<0.05**	**0.006**	**<5**	**0.01**	**0.001**	**0.001**	**0.001**	**0.02**	**<0.001**	**<0.00005**	**<0.001**	**0.001**
Maximum Concentration		**<10**	**<50**	**<100**	**<100**	**<50**	**<100**	**<100**	**0.004**	**<0.2**	**0.4**	**0.1**	**0.02**	**72**	**0.58**	**0.002**	**0.002**	**0.002**	**1.8**	**<0.001**	**<0.00005**	**<0.001**	**0.019**
Average Concentration *		**10**	**50**	**100**	**100**	**50**	**13**	**13**	**0.0012**	**0.2**	**0.12**	**0.064**	**0.0094**	**15**	**0.13**	**0.0018**	**0.0013**	**0.001**	**0.24**	**0.001**	**0.00005**	**0.001**	**0.0028**
Median Concentration *		**10**	**50**	**100**	**100**	**50**	**10**	**10**	**0.001**	**0.2**	**0.1**	**0.05**	**0.01**	**9**	**0.1**	**0.002**	**0.001**	**0.001**	**0.17**	**0.001**	**0.00005**	**0.001**	**0.001**

* A Non Detect Multiplier of 1 has been applied.

	Organochlorine Pesticides																		
	4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Date**																		
SW201	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW201	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW204	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW204	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW212	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW212	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW215	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW215	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Statistics

Number of Results	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Maximum Concentration	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Average Concentration *	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**
Median Concentration *	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

* A Non Detect Multiplier of 1 has been applied.

		PAH																
		Benzo(b+j+k)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
		mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL		0.002	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.005	0.001
Location Code	**Date**																	
SW201	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW201	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW202	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW202	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW203	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW203	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW204	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW204	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW205	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW205	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW206	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW206	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW207	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW207	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW208	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW208	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW209	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW209	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW210	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW210	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW211	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW211	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW211	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW212	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW212	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW213	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW213	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW214	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW214	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW215	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW215	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW216	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW216	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW217	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0
SW217	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0

Statistics

Number of Results	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**34**
Minimum Concentration	**<0.002**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<0.005**	**0**
Maximum Concentration	**<0.002**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<0.005**	**0**
Average Concentration *	**0.002**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**0.005**	**0**
Median Concentration *	**0.002**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**0.005**	**0**

* A Non Detect Multiplier of 1 has been applied.

		PCBs							TPH				
		Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Date**												
SW201	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW201	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW203	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW203	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW204	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW204	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW212	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW212	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW215	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW215	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	**09 Dec 2022**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50

Statistics

Number of Results	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Maximum Concentration	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Average Concentration *	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**100**	**100**	**50**
Median Concentration *	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**100**	**100**	**50**

* A Non Detect Multiplier of 1 has been applied.

Table 15: Surface water - water quality data event 1

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	EC (uS/cm)	Turbidity (ntu)
301	32.7	7.74	165.4	2.08	62804	253.13
302						
303						
304	18.8	6.75	153.0	3.01	2071	79.00
305	23.8	6.89	1640.0	2.49	52126	56.35
306	29.6	8.11	148.0	2.19	63478	319.70
307	23.1	5.61	122.8	2.82	1963	80.80
308	27.9	5.36	163.1	2.58	1538	327.90

Table 16: Surface water - water quality data event 1 statistical summary

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	EC (uS/cm)	Turbidity (ntu)
min	18.8	5.36	122.8	2.08	1538	56.35
max	32.7	8.11	1640.0	3.01	63478	327.90
mean	26.0	6.74	398.7	2.53	30663	186.15
median	25.9	6.82	158.1	2.54	27099	166.97
range	13.9	2.75	1517.2	0.93	61940	271.55

Table 17: Estuary surface water – water quality data event 1

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	EC (uS/cm)	Turbidity (ntu)
201	20.4	7.81	191.2	2.40	25610	14.92
202	20.2	7.85	185.8	2.48	36671	16.14
203	20.0	7.73	169.8	2.44	25788	19.34
204	19.6	7.86	192.5	2.55	25684	47.83
205	19.6	7.89	189.9	2.48	27390	16.16
206	19.0	7.96	190.4	2.48	29174	14.96
207	19.6	7.94	186.9	2.55	37549	17.86
208	18.7	8.00	188.9	2.54	30314	15.55
209	16.8	7.34	249.8	3.18	366.1	218.89
210	19.7	7.76	186.7	2.49	25771	27.25
211	19.7	7.77	128.1	2.63	26430	27.83
212	19.1	7.87	180.3	2.58	24420	25.30
213	19.6	7.94	73.2	2.54	27000	18.98
214	18.6	7.81	7.9	2.58	28320	32.10
215	18.7	7.97	167.6	2.52	1600	16.90
216	18.2	8.09	203.6	2.47	31630	11.50
217	18.5	8.11	202.3	2.41	42540	12.46

Table 18: Estuary surface water – water quality data event 1 statistical summary

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	EC (uS/cm)	Turbidity (ntu)
min	16.8	7.34	7.9	2.40	366.1	11.50
max	20.4	8.11	249.8	3.18	42540	218.89
mean	19.2	7.86	170.3	2.55	26250	32.59
median	19.6	7.87	186.9	2.52	27000	17.86
range	3.6	0.77	241.9	0.78	42174	207.39

Appendix D – Event 1 Documents

Lab Report Event 1

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

CERTIFICATE OF ANALYSIS 312763

Client Details

Client	Martens & Associates Pty Ltd
Attention	Andrew Norris, William Xu
Address	Suite 201, 20 George St, Hornsby, NSW, 2077

Sample Details

Your Reference	**P1203365 - Estuarine Sampling West Culburra NSW**
Number of Samples	59 Water
Date samples received	09/12/2022
Date completed instructions received	09/12/2022

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	19/12/2022
Date of Issue	19/12/2022

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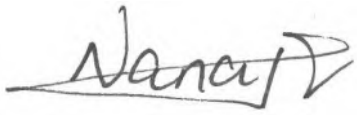
Results Approved By
Diego Bigolin, Inorganics Supervisor
Giovanni Agosti, Group Technical Manager
Greta Petzold, Assistant Operation Manager
Hannah Nguyen, Metals Supervisor
Josh Williams, Organics and LC Supervisor
Kyle Gavrily, Senior Chemist
Liam Timmins, Organic Instruments Team Leader

Authorised By



Nancy Zhang, Laboratory Manager

vTRH in Water (C6-C9) NEPM						
Our Reference		312763-1	312763-9	312763-10	312763-11	312763-12
Your Reference	UNITS	3365/SW201W/1	3365/SW101	3365/SW201	3365/SW202 W1	3365/SW202 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	14/12/2022	16/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	16/12/2022	14/12/2022	14/12/2022	14/12/2022
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	112	111	104	103	104
Surrogate toluene-d8	%	103	105	103	101	102
Surrogate 4-BFB	%	107	104	103	103	99

vTRH in Water (C6-C9) NEPM						
Our Reference		312763-13	312763-14	312763-15	312763-16	312763-17
Your Reference	UNITS	3365/SW203 W1	3365/SW203 W2	3365/SW204 W1	3365/SW204 W2	3365/SW205 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	102	103	105	101	99
Surrogate toluene-d8	%	100	99	100	98	101
Surrogate 4-BFB	%	99	100	100	100	99

vTRH in Water (C6-C9) NEPM						
Our Reference		312763-18	312763-19	312763-20	312763-21	312763-22
Your Reference	UNITS	3365/SW205 W2	3365/SW206 W1	3365/SW206 W2	3365/SW207 W1	3365/SW208 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	100	108	101	101	103
Surrogate toluene-d8	%	100	102	101	100	102
Surrogate 4-BFB	%	100	103	101	97	101

vTRH in Water (C6-C9) NEPM						
Our Reference		312763-23	312763-24	312763-25	312763-26	312763-27
Your Reference	UNITS	3365/SW209 W1	3365/SW209 W2	3365/SW210 W1	3365/SW210 W2	3365/SW211 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	101	101	106	104	97
Surrogate toluene-d8	%	101	100	101	101	98
Surrogate 4-BFB	%	102	101	102	103	99

vTRH in Water (C6-C9) NEPM						
Our Reference		312763-28	312763-29	312763-30	312763-31	312763-32
Your Reference	UNITS	3365/SW211 W2	3365/SW212 W1	3365/SW212 W2	3365/SW213 W1	3365/SW213 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	111	99	101	102	98
Surrogate toluene-d8	%	106	100	101	100	100
Surrogate 4-BFB	%	104	98	99	102	100

vTRH in Water (C6-C9) NEPM						
Our Reference		312763-33	312763-34	312763-35	312763-36	312763-37
Your Reference	UNITS	3365/SW214 W1	3365/SW214 W2	3365/SW215 W1	3365/SW215 W2	3365/SW216 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	101	100	96	100	101
Surrogate toluene-d8	%	100	100	96	100	100
Surrogate 4-BFB	%	100	97	100	101	101

vTRH in Water (C6-C9) NEPM						
Our Reference		312763-38	312763-39	312763-40	312763-41	312763-42
Your Reference	UNITS	3365/SW216 W2	3365/SW217 W1	3365/SW217 W2	3365/SW303 W1	3365/SW303 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	14/12/2022	14/12/2022	14/12/2022	16/12/2022	16/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	16/12/2022	16/12/2022
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	99	96	103	101	109
Surrogate toluene-d8	%	103	97	101	98	105
Surrogate 4-BFB	%	100	99	100	96	102

vTRH in Water (C6-C9) NEPM						
Our Reference		312763-43	312763-44	312763-45	312763-46	312763-47
Your Reference	UNITS	3365/SW304 W1	3365/SW304 W2	3365/SW305 W1	3365/SW305 W2	3365/SW306 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	16/12/2022	16/12/2022	16/12/2022	16/12/2022	16/12/2022
Date analysed	-	16/12/2022	16/12/2022	16/12/2022	16/12/2022	16/12/2022
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	97	102	105	111	103
Surrogate toluene-d8	%	98	103	101	107	101
Surrogate 4-BFB	%	94	101	99	102	96

vTRH in Water (C6-C9) NEPM						
Our Reference		312763-48	312763-49	312763-50	312763-51	312763-52
Your Reference	UNITS	3365/SW306 W2	3365/SW307 W1	3365/SW307 W2	3365/SW308 W1	3365/SW308 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	16/12/2022	16/12/2022	16/12/2022	16/12/2022	16/12/2022
Date analysed	-	16/12/2022	16/12/2022	16/12/2022	16/12/2022	16/12/2022
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	105	103	101	99	102
Surrogate toluene-d8	%	102	101	103	102	101
Surrogate 4-BFB	%	98	96	97	97	97

vTRH in Water (C6-C9) NEPM			
Our Reference		312763-58	312763-59
Your Reference	UNITS	3365/SW207 W2	3365/SW208 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water
Date extracted	-	16/12/2022	16/12/2022
Date analysed	-	16/12/2022	16/12/2022
TRH C_6 - C_9	µg/L	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10
Surrogate Dibromofluoromethane	%	100	102
Surrogate toluene-d8	%	103	101
Surrogate 4-BFB	%	98	97

svTRH (C10-C40) in Water						
Our Reference		312763-1	312763-9	312763-10	312763-11	312763-12
Your Reference	UNITS	3365/SW201W/1	3365/SW101	3365/SW201	3365/SW202 W1	3365/SW202 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	13/12/2022	13/12/2022	13/12/2022	13/12/2022	13/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	13/12/2022
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	120	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	120	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	62	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	160	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	220	<50	<50	<50
Surrogate o-Terphenyl	%	85	77	70	93	72

svTRH (C10-C40) in Water						
Our Reference		312763-13	312763-14	312763-15	312763-16	312763-17
Your Reference	UNITS	3365/SW203 W1	3365/SW203 W2	3365/SW204 W1	3365/SW204 W2	3365/SW205 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	13/12/2022	13/12/2022	13/12/2022	13/12/2022	13/12/2022
Date analysed	-	13/12/2022	13/12/2022	14/12/2022	14/12/2022	13/12/2022
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	72	77	76	76	66

svTRH (C10-C40) in Water						
Our Reference		312763-18	312763-19	312763-20	312763-21	312763-22
Your Reference	UNITS	3365/SW205 W2	3365/SW206 W1	3365/SW206 W2	3365/SW207 W1	3365/SW208 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	13/12/2022	13/12/2022	13/12/2022	13/12/2022	13/12/2022
Date analysed	-	13/12/2022	13/12/2022	13/12/2022	13/12/2022	13/12/2022
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	60	71	75	80	78

svTRH (C10-C40) in Water						
Our Reference		312763-23	312763-24	312763-25	312763-26	312763-27
Your Reference	UNITS	3365/SW209 W1	3365/SW209 W2	3365/SW210 W1	3365/SW210 W2	3365/SW211 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	13/12/2022	13/12/2022	13/12/2022	13/12/2022	13/12/2022
Date analysed	-	13/12/2022	13/12/2022	13/12/2022	14/12/2022	14/12/2022
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	77	76	75	93	76

svTRH (C10-C40) in Water						
Our Reference		312763-28	312763-29	312763-30	312763-31	312763-32
Your Reference	UNITS	3365/SW211 W2	3365/SW212 W1	3365/SW212 W2	3365/SW213 W1	3365/SW213 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	13/12/2022	13/12/2022	13/12/2022	13/12/2022	13/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	73	80	84	71	67

svTRH (C10-C40) in Water						
Our Reference		312763-33	312763-34	312763-35	312763-36	312763-37
Your Reference	UNITS	3365/SW214 W1	3365/SW214 W2	3365/SW215 W1	3365/SW215 W2	3365/SW216 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	13/12/2022	13/12/2022	13/12/2022	13/12/2022	13/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	71	65	97	70	79

svTRH (C10-C40) in Water						
Our Reference		312763-38	312763-39	312763-40	312763-41	312763-42
Your Reference	UNITS	3365/SW216 W2	3365/SW217 W1	3365/SW217 W2	3365/SW303 W1	3365/SW303 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	13/12/2022	13/12/2022	13/12/2022	13/12/2022	13/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	15/12/2022
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	79	84	71	81	80

svTRH (C10-C40) in Water						
Our Reference		312763-43	312763-44	312763-45	312763-46	312763-47
Your Reference	UNITS	3365/SW304 W1	3365/SW304 W2	3365/SW305 W1	3365/SW305 W2	3365/SW306 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	13/12/2022	13/12/2022	13/12/2022	13/12/2022	13/12/2022
Date analysed	-	15/12/2022	15/12/2022	15/12/2022	15/12/2022	15/12/2022
TRH C_{10} - C_{14}	µg/L	90	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	640	250	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	840	250	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	300	130	60	<50	<50
TRH >C_{16} - C_{34}	µg/L	460	170	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	760	300	60	<50	<50
Surrogate o-Terphenyl	%	79	61	75	66	63

svTRH (C10-C40) in Water						
Our Reference		312763-48	312763-49	312763-50	312763-51	312763-52
Your Reference	UNITS	3365/SW306 W2	3365/SW307 W1	3365/SW307 W2	3365/SW308 W1	3365/SW308 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	13/12/2022	13/12/2022	13/12/2022	13/12/2022	13/12/2022
Date analysed	-	15/12/2022	15/12/2022	15/12/2022	15/12/2022	15/12/2022
TRH C_{10} - C_{14}	µg/L	<50	64	86	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	290	420	230	290
TRH C_{29} - C_{36}	µg/L	<100	130	170	110	150
Total +ve TRH (C10-C36)	µg/L	<50	480	680	340	440
TRH >C_{10} - C_{16}	µg/L	<50	130	200	87	85
TRH >C_{16} - C_{34}	µg/L	<100	300	440	270	370
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	430	640	360	460
Surrogate o-Terphenyl	%	69	73	92	71	95

svTRH (C10-C40) in Water			
Our Reference		312763-58	312763-59
Your Reference	UNITS	3365/SW207 W2	3365/SW208 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water
Date extracted	-	13/12/2022	13/12/2022
Date analysed	-	15/12/2022	15/12/2022
TRH C_{10} - C_{14}	µg/L	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50
Surrogate o-Terphenyl	%	92	73

PAHs in Water						
Our Reference		312763-1	312763-9	312763-10	312763-11	312763-12
Your Reference	UNITS	3365/SW201W/1	3365/SW101	3365/SW201	3365/SW202 W1	3365/SW202 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	13/12/2022	13/12/2022	13/12/2022	13/12/2022	13/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Naphthalene	µg/L	<1	<1	<1	<1	<1
Acenaphthylene	µg/L	<1	<1	<1	<1	<1
Acenaphthene	µg/L	<1	<1	<1	<1	<1
Fluorene	µg/L	<1	<1	<1	<1	<1
Phenanthrene	µg/L	<1	<1	<1	<1	<1
Anthracene	µg/L	<1	<1	<1	<1	<1
Fluoranthene	µg/L	<1	<1	<1	<1	<1
Pyrene	µg/L	<1	<1	<1	<1	<1
Benzo(a)anthracene	µg/L	<1	<1	<1	<1	<1
Chrysene	µg/L	<1	<1	<1	<1	<1
Benzo(b,j+k)fluoranthene	µg/L	<2	<2	<2	<2	<2
Benzo(a)pyrene	µg/L	<1	<1	<1	<1	<1
Indeno(1,2,3-c,d)pyrene	µg/L	<1	<1	<1	<1	<1
Dibenzo(a,h)anthracene	µg/L	<1	<1	<1	<1	<1
Benzo(g,h,i)perylene	µg/L	<1	<1	<1	<1	<1
Benzo(a)pyrene TEQ	µg/L	<5	<5	<5	<5	<5
Total +ve PAH's	µg/L	NIL (+)VE	NIL (+)VE	NIL (+)VE	NIL (+)VE	NIL (+)VE
Surrogate p-Terphenyl-d14	%	83	63	72	83	75

PAHs in Water						
Our Reference		312763-13	312763-14	312763-15	312763-16	312763-17
Your Reference	UNITS	3365/SW203 W1	3365/SW203 W2	3365/SW204 W1	3365/SW204 W2	3365/SW205 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	13/12/2022	13/12/2022	13/12/2022	13/12/2022	13/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Naphthalene	µg/L	<1	<1	<1	<1	<1
Acenaphthylene	µg/L	<1	<1	<1	<1	<1
Acenaphthene	µg/L	<1	<1	<1	<1	<1
Fluorene	µg/L	<1	<1	<1	<1	<1
Phenanthrene	µg/L	<1	<1	<1	<1	<1
Anthracene	µg/L	<1	<1	<1	<1	<1
Fluoranthene	µg/L	<1	<1	<1	<1	<1
Pyrene	µg/L	<1	<1	<1	<1	<1
Benzo(a)anthracene	µg/L	<1	<1	<1	<1	<1
Chrysene	µg/L	<1	<1	<1	<1	<1
Benzo(b,j+k)fluoranthene	µg/L	<2	<2	<2	<2	<2
Benzo(a)pyrene	µg/L	<1	<1	<1	<1	<1
Indeno(1,2,3-c,d)pyrene	µg/L	<1	<1	<1	<1	<1
Dibenzo(a,h)anthracene	µg/L	<1	<1	<1	<1	<1
Benzo(g,h,i)perylene	µg/L	<1	<1	<1	<1	<1
Benzo(a)pyrene TEQ	µg/L	<5	<5	<5	<5	<5
Total +ve PAH's	µg/L	NIL (+)VE	NIL (+)VE	NIL (+)VE	NIL (+)VE	NIL (+)VE
Surrogate p-Terphenyl-d14	%	73	79	74	74	70

PAHs in Water						
Our Reference		312763-18	312763-19	312763-20	312763-21	312763-22
Your Reference	UNITS	3365/SW205 W2	3365/SW206 W1	3365/SW206 W2	3365/SW207 W1	3365/SW208 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	13/12/2022	13/12/2022	13/12/2022	13/12/2022	13/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Naphthalene	µg/L	<1	<1	<1	<1	<1
Acenaphthylene	µg/L	<1	<1	<1	<1	<1
Acenaphthene	µg/L	<1	<1	<1	<1	<1
Fluorene	µg/L	<1	<1	<1	<1	<1
Phenanthrene	µg/L	<1	<1	<1	<1	<1
Anthracene	µg/L	<1	<1	<1	<1	<1
Fluoranthene	µg/L	<1	<1	<1	<1	<1
Pyrene	µg/L	<1	<1	<1	<1	<1
Benzo(a)anthracene	µg/L	<1	<1	<1	<1	<1
Chrysene	µg/L	<1	<1	<1	<1	<1
Benzo(b,j+k)fluoranthene	µg/L	<2	<2	<2	<2	<2
Benzo(a)pyrene	µg/L	<1	<1	<1	<1	<1
Indeno(1,2,3-c,d)pyrene	µg/L	<1	<1	<1	<1	<1
Dibenzo(a,h)anthracene	µg/L	<1	<1	<1	<1	<1
Benzo(g,h,i)perylene	µg/L	<1	<1	<1	<1	<1
Benzo(a)pyrene TEQ	µg/L	<5	<5	<5	<5	<5
Total +ve PAH's	µg/L	NIL (+)VE	NIL (+)VE	NIL (+)VE	NIL (+)VE	NIL (+)VE
Surrogate p-Terphenyl-d14	%	60	79	68	71	76

PAHs in Water						
Our Reference		312763-23	312763-24	312763-25	312763-26	312763-27
Your Reference	UNITS	3365/SW209 W1	3365/SW209 W2	3365/SW210 W1	3365/SW210 W2	3365/SW211 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	13/12/2022	13/12/2022	13/12/2022	13/12/2022	13/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Naphthalene	µg/L	<1	<1	<1	<1	<1
Acenaphthylene	µg/L	<1	<1	<1	<1	<1
Acenaphthene	µg/L	<1	<1	<1	<1	<1
Fluorene	µg/L	<1	<1	<1	<1	<1
Phenanthrene	µg/L	<1	<1	<1	<1	<1
Anthracene	µg/L	<1	<1	<1	<1	<1
Fluoranthene	µg/L	<1	<1	<1	<1	<1
Pyrene	µg/L	<1	<1	<1	<1	<1
Benzo(a)anthracene	µg/L	<1	<1	<1	<1	<1
Chrysene	µg/L	<1	<1	<1	<1	<1
Benzo(b,j+k)fluoranthene	µg/L	<2	<2	<2	<2	<2
Benzo(a)pyrene	µg/L	<1	<1	<1	<1	<1
Indeno(1,2,3-c,d)pyrene	µg/L	<1	<1	<1	<1	<1
Dibenzo(a,h)anthracene	µg/L	<1	<1	<1	<1	<1
Benzo(g,h,i)perylene	µg/L	<1	<1	<1	<1	<1
Benzo(a)pyrene TEQ	µg/L	<5	<5	<5	<5	<5
Total +ve PAH's	µg/L	NIL (+)VE	NIL (+)VE	NIL (+)VE	NIL (+)VE	NIL (+)VE
Surrogate p-Terphenyl-d14	%	79	82	81	86	87

PAHs in Water						
Our Reference		312763-28	312763-29	312763-30	312763-31	312763-32
Your Reference	UNITS	3365/SW211 W2	3365/SW212 W1	3365/SW212 W2	3365/SW213 W1	3365/SW213 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	13/12/2022	13/12/2022	13/12/2022	13/12/2022	13/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Naphthalene	µg/L	<1	<1	<1	<1	<1
Acenaphthylene	µg/L	<1	<1	<1	<1	<1
Acenaphthene	µg/L	<1	<1	<1	<1	<1
Fluorene	µg/L	<1	<1	<1	<1	<1
Phenanthrene	µg/L	<1	<1	<1	<1	<1
Anthracene	µg/L	<1	<1	<1	<1	<1
Fluoranthene	µg/L	<1	<1	<1	<1	<1
Pyrene	µg/L	<1	<1	<1	<1	<1
Benzo(a)anthracene	µg/L	<1	<1	<1	<1	<1
Chrysene	µg/L	<1	<1	<1	<1	<1
Benzo(b,j+k)fluoranthene	µg/L	<2	<2	<2	<2	<2
Benzo(a)pyrene	µg/L	<1	<1	<1	<1	<1
Indeno(1,2,3-c,d)pyrene	µg/L	<1	<1	<1	<1	<1
Dibenzo(a,h)anthracene	µg/L	<1	<1	<1	<1	<1
Benzo(g,h,i)perylene	µg/L	<1	<1	<1	<1	<1
Benzo(a)pyrene TEQ	µg/L	<5	<5	<5	<5	<5
Total +ve PAH's	µg/L	NIL (+)VE	NIL (+)VE	NIL (+)VE	NIL (+)VE	NIL (+)VE
Surrogate p-Terphenyl-d14	%	80	87	85	77	75

PAHs in Water						
Our Reference		312763-33	312763-34	312763-35	312763-36	312763-37
Your Reference	UNITS	3365/SW214 W1	3365/SW214 W2	3365/SW215 W1	3365/SW215 W2	3365/SW216 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	15/12/2022
Naphthalene	µg/L	<1	<1	<1	<1	<1
Acenaphthylene	µg/L	<1	<1	<1	<1	<1
Acenaphthene	µg/L	<1	<1	<1	<1	<1
Fluorene	µg/L	<1	<1	<1	<1	<1
Phenanthrene	µg/L	<1	<1	<1	<1	<1
Anthracene	µg/L	<1	<1	<1	<1	<1
Fluoranthene	µg/L	<1	<1	<1	<1	<1
Pyrene	µg/L	<1	<1	<1	<1	<1
Benzo(a)anthracene	µg/L	<1	<1	<1	<1	<1
Chrysene	µg/L	<1	<1	<1	<1	<1
Benzo(b,j+k)fluoranthene	µg/L	<2	<2	<2	<2	<2
Benzo(a)pyrene	µg/L	<1	<1	<1	<1	<1
Indeno(1,2,3-c,d)pyrene	µg/L	<1	<1	<1	<1	<1
Dibenzo(a,h)anthracene	µg/L	<1	<1	<1	<1	<1
Benzo(g,h,i)perylene	µg/L	<1	<1	<1	<1	<1
Benzo(a)pyrene TEQ	µg/L	<5	<5	<5	<5	<5
Total +ve PAH's	µg/L	NIL (+)VE	NIL (+)VE	NIL (+)VE	NIL (+)VE	NIL (+)VE
Surrogate p-Terphenyl-d14	%	66	73	63	73	89

PAHs in Water						
Our Reference		312763-38	312763-39	312763-40	312763-41	312763-42
Your Reference	UNITS	3365/SW216 W2	3365/SW217 W1	3365/SW217 W2	3365/SW303 W1	3365/SW303 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	15/12/2022	15/12/2022	15/12/2022	15/12/2022	15/12/2022
Naphthalene	µg/L	<1	<1	<1	<1	<1
Acenaphthylene	µg/L	<1	<1	<1	<1	<1
Acenaphthene	µg/L	<1	<1	<1	<1	<1
Fluorene	µg/L	<1	<1	<1	<1	<1
Phenanthrene	µg/L	<1	<1	<1	<1	<1
Anthracene	µg/L	<1	<1	<1	<1	<1
Fluoranthene	µg/L	<1	<1	<1	<1	<1
Pyrene	µg/L	<1	<1	<1	<1	<1
Benzo(a)anthracene	µg/L	<1	<1	<1	<1	<1
Chrysene	µg/L	<1	<1	<1	<1	<1
Benzo(b,j+k)fluoranthene	µg/L	<2	<2	<2	<2	<2
Benzo(a)pyrene	µg/L	<1	<1	<1	<1	<1
Indeno(1,2,3-c,d)pyrene	µg/L	<1	<1	<1	<1	<1
Dibenzo(a,h)anthracene	µg/L	<1	<1	<1	<1	<1
Benzo(g,h,i)perylene	µg/L	<1	<1	<1	<1	<1
Benzo(a)pyrene TEQ	µg/L	<5	<5	<5	<5	<5
Total +ve PAH's	µg/L	NIL (+)VE	NIL (+)VE	NIL (+)VE	NIL (+)VE	NIL (+)VE
Surrogate p-Terphenyl-d14	%	94	90	81	92	86

PAHs in Water						
Our Reference		312763-43	312763-44	312763-45	312763-46	312763-47
Your Reference	UNITS	3365/SW304 W1	3365/SW304 W2	3365/SW305 W1	3365/SW305 W2	3365/SW306 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	15/12/2022	15/12/2022	15/12/2022	14/12/2022
Naphthalene	µg/L	<1	<1	<1	<1	<1
Acenaphthylene	µg/L	<1	<1	<1	<1	<1
Acenaphthene	µg/L	<1	<1	<1	<1	<1
Fluorene	µg/L	<1	<1	<1	<1	<1
Phenanthrene	µg/L	<1	<1	<1	<1	<1
Anthracene	µg/L	<1	<1	<1	<1	<1
Fluoranthene	µg/L	<1	<1	<1	<1	<1
Pyrene	µg/L	<1	<1	<1	<1	<1
Benzo(a)anthracene	µg/L	<1	<1	<1	<1	<1
Chrysene	µg/L	<1	<1	<1	<1	<1
Benzo(b,j+k)fluoranthene	µg/L	<2	<2	<2	<2	<2
Benzo(a)pyrene	µg/L	<1	<1	<1	<1	<1
Indeno(1,2,3-c,d)pyrene	µg/L	<1	<1	<1	<1	<1
Dibenzo(a,h)anthracene	µg/L	<1	<1	<1	<1	<1
Benzo(g,h,i)perylene	µg/L	<1	<1	<1	<1	<1
Benzo(a)pyrene TEQ	µg/L	<5	<5	<5	<5	<5
Total +ve PAH's	µg/L	NIL (+)VE	NIL (+)VE	NIL (+)VE	NIL (+)VE	NIL (+)VE
Surrogate p-Terphenyl-d14	%	72	65	77	77	78

PAHs in Water						
Our Reference		312763-48	312763-49	312763-50	312763-51	312763-52
Your Reference	UNITS	3365/SW306 W2	3365/SW307 W1	3365/SW307 W2	3365/SW308 W1	3365/SW308 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Naphthalene	µg/L	<1	<1	<1	<1	<1
Acenaphthylene	µg/L	<1	<1	<1	<1	<1
Acenaphthene	µg/L	<1	<1	<1	<1	<1
Fluorene	µg/L	<1	<1	<1	<1	<1
Phenanthrene	µg/L	<1	<1	<1	<1	<1
Anthracene	µg/L	<1	<1	<1	<1	<1
Fluoranthene	µg/L	<1	<1	<1	<1	<1
Pyrene	µg/L	<1	<1	<1	<1	<1
Benzo(a)anthracene	µg/L	<1	<1	<1	<1	<1
Chrysene	µg/L	<1	<1	<1	<1	<1
Benzo(b,j+k)fluoranthene	µg/L	<2	<2	<2	<2	<2
Benzo(a)pyrene	µg/L	<1	<1	<1	<1	<1
Indeno(1,2,3-c,d)pyrene	µg/L	<1	<1	<1	<1	<1
Dibenzo(a,h)anthracene	µg/L	<1	<1	<1	<1	<1
Benzo(g,h,i)perylene	µg/L	<1	<1	<1	<1	<1
Benzo(a)pyrene TEQ	µg/L	<5	<5	<5	<5	<5
Total +ve PAH's	µg/L	NIL (+)VE	NIL (+)VE	NIL (+)VE	NIL (+)VE	NIL (+)VE
Surrogate p-Terphenyl-d14	%	78	74	90	80	96

PAHs in Water			
Our Reference		312763-58	312763-59
Your Reference	UNITS	3365/SW207 W2	3365/SW208 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water
Date extracted	-	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022
Naphthalene	µg/L	<1	<1
Acenaphthylene	µg/L	<1	<1
Acenaphthene	µg/L	<1	<1
Fluorene	µg/L	<1	<1
Phenanthrene	µg/L	<1	<1
Anthracene	µg/L	<1	<1
Fluoranthene	µg/L	<1	<1
Pyrene	µg/L	<1	<1
Benzo(a)anthracene	µg/L	<1	<1
Chrysene	µg/L	<1	<1
Benzo(b,j+k)fluoranthene	µg/L	<2	<2
Benzo(a)pyrene	µg/L	<1	<1
Indeno(1,2,3-c,d)pyrene	µg/L	<1	<1
Dibenzo(a,h)anthracene	µg/L	<1	<1
Benzo(g,h,i)perylene	µg/L	<1	<1
Benzo(a)pyrene TEQ	µg/L	<5	<5
Total +ve PAH's	µg/L	NIL (+)VE	NIL (+)VE
Surrogate p-Terphenyl-d14	%	101	90

Organochlorine Pesticides in Water						
Our Reference		312763-1	312763-9	312763-10	312763-11	312763-12
Your Reference	UNITS	3365/SW201W/1	3365/SW101	3365/SW201	3365/SW202 W1	3365/SW202 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	13/12/2022	13/12/2022	13/12/2022	13/12/2022	13/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	86	67	71	86	77

Organochlorine Pesticides in Water						
Our Reference		312763-13	312763-14	312763-15	312763-16	312763-17
Your Reference	UNITS	3365/SW203 W1	3365/SW203 W2	3365/SW204 W1	3365/SW204 W2	3365/SW205 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	13/12/2022	13/12/2022	13/12/2022	13/12/2022	13/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	76	82	75	78	73

Organochlorine Pesticides in Water						
Our Reference		312763-18	312763-19	312763-20	312763-21	312763-22
Your Reference	UNITS	3365/SW205 W2	3365/SW206 W1	3365/SW206 W2	3365/SW207 W1	3365/SW208 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	13/12/2022	13/12/2022	13/12/2022	13/12/2022	13/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	61	78	72	76	78

Organochlorine Pesticides in Water						
Our Reference		312763-23	312763-24	312763-25	312763-26	312763-27
Your Reference	UNITS	3365/SW209 W1	3365/SW209 W2	3365/SW210 W1	3365/SW210 W2	3365/SW211 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	13/12/2022	13/12/2022	13/12/2022	13/12/2022	13/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	80	80	81	89	85

Organochlorine Pesticides in Water						
Our Reference		312763-28	312763-29	312763-30	312763-31	312763-32
Your Reference	UNITS	3365/SW211 W2	3365/SW212 W1	3365/SW212 W2	3365/SW213 W1	3365/SW213 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	13/12/2022	13/12/2022	13/12/2022	13/12/2022	13/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	79	87	83	77	73

Organochlorine Pesticides in Water						
Our Reference		312763-33	312763-34	312763-35	312763-36	312763-37
Your Reference	UNITS	3365/SW214 W1	3365/SW214 W2	3365/SW215 W1	3365/SW215 W2	3365/SW216 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	15/12/2022
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	70	72	66	74	85

Organochlorine Pesticides in Water						
Our Reference		312763-38	312763-39	312763-40	312763-41	312763-42
Your Reference	UNITS	3365/SW216 W2	3365/SW217 W1	3365/SW217 W2	3365/SW303 W1	3365/SW303 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	15/12/2022	15/12/2022	15/12/2022	15/12/2022	15/12/2022
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	89	85	80	89	86

Organochlorine Pesticides in Water						
Our Reference		312763-43	312763-44	312763-45	312763-46	312763-47
Your Reference	UNITS	3365/SW304 W1	3365/SW304 W2	3365/SW305 W1	3365/SW305 W2	3365/SW306 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	71	66	73	79	77

Organochlorine Pesticides in Water						
Our Reference		312763-48	312763-49	312763-50	312763-51	312763-52
Your Reference	UNITS	3365/SW306 W2	3365/SW307 W1	3365/SW307 W2	3365/SW308 W1	3365/SW308 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	73	69	87	80	91

Organochlorine Pesticides in Water			
Our Reference		312763-58	312763-59
Your Reference	UNITS	3365/SW207 W2	3365/SW208 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water
Date extracted	-	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022
alpha-BHC	µg/L	<0.2	<0.2
HCB	µg/L	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2
Surrogate TCMX	%	97	87

PCBs in Water						
Our Reference		312763-1	312763-9	312763-10	312763-11	312763-12
Your Reference	UNITS	3365/SW201W/1	3365/SW101	3365/SW201	3365/SW202 W1	3365/SW202 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	13/12/2022	13/12/2022	13/12/2022	13/12/2022	13/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	86	67	71	86	77

PCBs in Water						
Our Reference		312763-13	312763-14	312763-15	312763-16	312763-17
Your Reference	UNITS	3365/SW203 W1	3365/SW203 W2	3365/SW204 W1	3365/SW204 W2	3365/SW205 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	13/12/2022	13/12/2022	13/12/2022	13/12/2022	13/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	76	82	75	78	73

PCBs in Water						
Our Reference		312763-18	312763-19	312763-20	312763-21	312763-22
Your Reference	UNITS	3365/SW205 W2	3365/SW206 W1	3365/SW206 W2	3365/SW207 W1	3365/SW208 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	13/12/2022	13/12/2022	13/12/2022	13/12/2022	13/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	61	78	72	76	78

PCBs in Water						
Our Reference		312763-23	312763-24	312763-25	312763-26	312763-27
Your Reference	UNITS	3365/SW209 W1	3365/SW209 W2	3365/SW210 W1	3365/SW210 W2	3365/SW211 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	13/12/2022	13/12/2022	13/12/2022	13/12/2022	13/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	80	80	81	89	85

PCBs in Water						
Our Reference		312763-28	312763-29	312763-30	312763-31	312763-32
Your Reference	UNITS	3365/SW211 W2	3365/SW212 W1	3365/SW212 W2	3365/SW213 W1	3365/SW213 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	13/12/2022	13/12/2022	13/12/2022	13/12/2022	13/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	79	87	83	77	73

PCBs in Water						
Our Reference		312763-33	312763-34	312763-35	312763-36	312763-37
Your Reference	UNITS	3365/SW214 W1	3365/SW214 W2	3365/SW215 W1	3365/SW215 W2	3365/SW216 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	15/12/2022
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	70	72	66	74	85

PCBs in Water						
Our Reference		312763-38	312763-39	312763-40	312763-41	312763-42
Your Reference	UNITS	3365/SW216 W2	3365/SW217 W1	3365/SW217 W2	3365/SW303 W1	3365/SW303 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	15/12/2022	15/12/2022	15/12/2022	15/12/2022	15/12/2022
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	89	85	80	89	86

PCBs in Water						
Our Reference		312763-43	312763-44	312763-45	312763-46	312763-47
Your Reference	UNITS	3365/SW304 W1	3365/SW304 W2	3365/SW305 W1	3365/SW305 W2	3365/SW306 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	14/12/2022	15/12/2022	15/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	15/12/2022	15/12/2022	14/12/2022	14/12/2022
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	71	66	73	79	77

PCBs in Water						
Our Reference		312763-48	312763-49	312763-50	312763-51	312763-52
Your Reference	UNITS	3365/SW306 W2	3365/SW307 W1	3365/SW307 W2	3365/SW308 W1	3365/SW308 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	73	69	87	80	91

PCBs in Water			
Our Reference		312763-58	312763-59
Your Reference	UNITS	3365/SW207 W2	3365/SW208 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water
Date extracted	-	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022
Aroclor 1016	µg/L	<2	<2
Aroclor 1221	µg/L	<2	<2
Aroclor 1232	µg/L	<2	<2
Aroclor 1242	µg/L	<2	<2
Aroclor 1248	µg/L	<2	<2
Aroclor 1254	µg/L	<2	<2
Aroclor 1260	µg/L	<2	<2
Surrogate TCMX	%	97	87

All metals in water - total						
Our Reference		312763-1	312763-9	312763-10	312763-11	312763-12
Your Reference	UNITS	3365/SW201W/1	3365/SW101	3365/SW201	3365/SW202 W1	3365/SW202 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	13/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	13/12/2022	14/12/2022	14/12/2022
Aluminium-Total	µg/L	60	1,600	60	80	70
Arsenic-Total	µg/L	2	5	2	2	2
Chromium-Total	µg/L	2	5	1	2	1
Copper-Total	µg/L	<1	8	<1	<1	<1
Iron-Total	µg/L	120	14,000	120	150	140
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	4	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	1	9	<1	<1	<1

All metals in water - total						
Our Reference		312763-13	312763-14	312763-15	312763-16	312763-17
Your Reference	UNITS	3365/SW203 W1	3365/SW203 W2	3365/SW204 W1	3365/SW204 W2	3365/SW205 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Aluminium-Total	µg/L	130	130	580	370	80
Arsenic-Total	µg/L	2	2	2	2	2
Chromium-Total	µg/L	2	2	2	2	2
Copper-Total	µg/L	<1	<1	1	1	<1
Iron-Total	µg/L	210	250	1,800	840	120
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	19	<1	9	10	<1

All metals in water - total						
Our Reference		312763-18	312763-19	312763-20	312763-21	312763-22
Your Reference	UNITS	3365/SW205 W2	3365/SW206 W1	3365/SW206 W2	3365/SW207 W1	3365/SW208 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Aluminium-Total	µg/L	80	50	70	110	80
Arsenic-Total	µg/L	2	2	2	2	2
Chromium-Total	µg/L	1	2	1	1	1
Copper-Total	µg/L	<1	<1	<1	1	<1
Iron-Total	µg/L	130	98	94	140	120
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	<1	10	<1	5	<1

All metals in water - total						
Our Reference		312763-23	312763-24	312763-25	312763-26	312763-27
Your Reference	UNITS	3365/SW209 W1	3365/SW209 W2	3365/SW210 W1	3365/SW210 W2	3365/SW211 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Aluminium-Total	µg/L	130	120	100	120	180
Arsenic-Total	µg/L	1	2	1	2	2
Chromium-Total	µg/L	1	1	2	1	1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	190	190	200	190	260
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	<1	2	1	<1	1

All metals in water - total						
Our Reference		312763-28	312763-29	312763-30	312763-31	312763-32
Your Reference	UNITS	3365/SW211 W2	3365/SW212 W1	3365/SW212 W2	3365/SW213 W1	3365/SW213 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Aluminium-Total	µg/L	190	160	120	100	100
Arsenic-Total	µg/L	2	2	1	2	1
Chromium-Total	µg/L	1	1	<1	1	1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	320	210	200	190	180
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	<1	<1	<1	<1	5

All metals in water - total						
Our Reference		312763-33	312763-34	312763-35	312763-36	312763-37
Your Reference	UNITS	3365/SW214 W1	3365/SW214 W2	3365/SW215 W1	3365/SW215 W2	3365/SW216 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Aluminium-Total	µg/L	320	300	120	100	10
Arsenic-Total	µg/L	2	2	2	2	2
Chromium-Total	µg/L	1	1	1	1	1
Copper-Total	µg/L	<1	<1	1	<1	<1
Iron-Total	µg/L	480	530	190	150	20
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	<1	2	3	5	<1

All metals in water - total						
Our Reference		312763-38	312763-39	312763-40	312763-41	312763-42
Your Reference	UNITS	3365/SW216 W2	3365/SW217 W1	3365/SW217 W2	3365/SW303 W1	3365/SW303 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Aluminium-Total	µg/L	10	20	20	1,500	2,000
Arsenic-Total	µg/L	2	2	2	4	5
Chromium-Total	µg/L	1	<1	<1	3	4
Copper-Total	µg/L	<1	<1	<1	2	4
Iron-Total	µg/L	23	36	34	5,700	7,900
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	3	4
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	<1	<1	<1	5	10

All metals in water - total						
Our Reference		312763-43	312763-44	312763-45	312763-46	312763-47
Your Reference	UNITS	3365/SW304 W1	3365/SW304 W2	3365/SW305 W1	3365/SW305 W2	3365/SW306 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Aluminium-Total	µg/L	1,900	1,700	130	530	620
Arsenic-Total	µg/L	5	4	1	1	2
Chromium-Total	µg/L	3	4	1	1	2
Copper-Total	µg/L	2	3	8	2	<1
Iron-Total	µg/L	10,000	9,600	320	1,500	1,900
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	5	3	<1	1	1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	9	7	31	11	3

All metals in water - total						
Our Reference		312763-48	312763-49	312763-50	312763-51	312763-52
Your Reference	UNITS	3365/SW306 W2	3365/SW307 W1	3365/SW307 W2	3365/SW308 W1	3365/SW308 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Aluminium-Total	µg/L	530	3,300	3,700	13,000	1,100
Arsenic-Total	µg/L	2	3	3	19	4
Chromium-Total	µg/L	1	5	6	20	2
Copper-Total	µg/L	<1	2	3	15	3
Iron-Total	µg/L	1,400	16,000	16,000	80,000	4,900
Mercury-Total	µg/L	<0.05	<0.05	<0.05	0.05	<0.05
Lead-Total	µg/L	<1	6	6	33	2
Selenium-Total	µg/L	<1	<1	<1	2	<1
Zinc-Total	µg/L	3	8	91	32	6

All metals in water - total						
Our Reference		312763-53	312763-54	312763-55	312763-56	312763-57
Your Reference	UNITS	3365/DUP01	3365/DUP02	3365/DUP03	3365/DUP04	3365/GW DUP01
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Aluminium-Total	µg/L	1,400	840	60	560	84,000
Arsenic-Total	µg/L	3	4	2	4	7
Chromium-Total	µg/L	4	2	<1	2	100
Copper-Total	µg/L	4	4	2	3	380
Iron-Total	µg/L	14,000	5,400	130	3,700	140,000
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	0.07
Lead-Total	µg/L	3	1	<1	<1	14
Selenium-Total	µg/L	<1	<1	<1	<1	1
Zinc-Total	µg/L	5	6	4	8	120

All metals in water - total			
Our Reference		312763-58	312763-59
Your Reference	UNITS	3365/SW207 W2	3365/SW208 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water
Date prepared	-	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022
Aluminium-Total	µg/L	90	60
Arsenic-Total	µg/L	1	1
Chromium-Total	µg/L	<1	<1
Copper-Total	µg/L	2	<1
Iron-Total	µg/L	160	100
Mercury-Total	µg/L	<0.05	<0.05
Lead-Total	µg/L	<1	<1
Selenium-Total	µg/L	<1	<1
Zinc-Total	µg/L	2	<1

Metals in Waters - Acid extractable						
Our Reference		312763-1	312763-2	312763-3	312763-4	312763-5
Your Reference	UNITS	3365/SW201W/1	3365/GW01	3365/GW02	3365/GW03	3365/GW04
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Phosphorus - Total	mg/L	<0.05	0.5	1.0	3.0	37

Metals in Waters - Acid extractable						
Our Reference		312763-6	312763-7	312763-8	312763-9	312763-10
Your Reference	UNITS	3365/GW05	3365/GW06	3365/GW07	3365/SW101	3365/SW201
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Phosphorus - Total	mg/L	0.3	0.5	<0.05	1.7	<0.05

Metals in Waters - Acid extractable						
Our Reference		312763-11	312763-12	312763-13	312763-14	312763-15
Your Reference	UNITS	3365/SW202 W1	3365/SW202 W2	3365/SW203 W1	3365/SW203 W2	3365/SW204 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	<0.05	0.1

Metals in Waters - Acid extractable						
Our Reference		312763-16	312763-17	312763-18	312763-19	312763-20
Your Reference	UNITS	3365/SW204 W2	3365/SW205 W1	3365/SW205 W2	3365/SW206 W1	3365/SW206 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Phosphorus - Total	mg/L	0.06	<0.1	<0.05	<0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		312763-21	312763-22	312763-23	312763-24	312763-25
Your Reference	UNITS	3365/SW207 W1	3365/SW208 W2	3365/SW209 W1	3365/SW209 W2	3365/SW210 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Phosphorus - Total	mg/L	<0.1	<0.1	<0.05	<0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		312763-26	312763-27	312763-28	312763-29	312763-30
Your Reference	UNITS	3365/SW210 W2	3365/SW211 W1	3365/SW211 W2	3365/SW212 W1	3365/SW212 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Phosphorus - Total	mg/L	<0.05	<0.05	<0.1	<0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		312763-31	312763-32	312763-33	312763-34	312763-35
Your Reference	UNITS	3365/SW213 W1	3365/SW213 W2	3365/SW214 W1	3365/SW214 W2	3365/SW215 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		312763-36	312763-37	312763-38	312763-39	312763-40
Your Reference	UNITS	3365/SW215 W2	3365/SW216 W1	3365/SW216 W2	3365/SW217 W1	3365/SW217 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Phosphorus - Total	mg/L	<0.05	<0.1	<0.1	<0.1	<0.1

Metals in Waters - Acid extractable						
Our Reference		312763-41	312763-42	312763-43	312763-44	312763-45
Your Reference	UNITS	3365/SW303 W1	3365/SW303 W2	3365/SW304 W1	3365/SW304 W2	3365/SW305 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Phosphorus - Total	mg/L	0.2	0.2	0.2	0.1	<0.1

Metals in Waters - Acid extractable						
Our Reference		312763-46	312763-47	312763-48	312763-49	312763-50
Your Reference	UNITS	3365/SW305 W2	3365/SW306 W1	3365/SW306 W2	3365/SW307 W1	3365/SW307 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Phosphorus - Total	mg/L	<0.1	<0.1	<0.1	0.1	0.2

Metals in Waters - Acid extractable					
Our Reference		312763-51	312763-52	312763-58	312763-59
Your Reference	UNITS	3365/SW308 W1	3365/SW308 W2	3365/SW207 W2	3365/SW208 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Phosphorus - Total	mg/L	0.8	0.09	<0.05	<0.05

Miscellaneous Inorganics						
Our Reference		312763-1	312763-2	312763-3	312763-4	312763-5
Your Reference	UNITS	3365/SW201W/1	3365/GW01	3365/GW02	3365/GW03	3365/GW04
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Total Suspended Solids	mg/L	<5	[NA]	[NA]	[NA]	[NA]
Chlorophyll a	mg/m^3	1	[NA]	[NA]	[NA]	[NA]
Total Nitrogen in water	mg/L	0.1	0.2	<0.1	0.2	<0.1
Phosphate as P in water	mg/L	0.01	<0.005	0.03	<0.005	<0.005

Miscellaneous Inorganics						
Our Reference		312763-6	312763-7	312763-8	312763-9	312763-10
Your Reference	UNITS	3365/GW05	3365/GW06	3365/GW07	3365/SW101	3365/SW201
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Total Suspended Solids	mg/L	[NA]	[NA]	[NA]	21	<5
Chlorophyll a	mg/m^3	[NA]	[NA]	[NA]	<1	<1
Total Nitrogen in water	mg/L	1.9	<0.1	4.8	20	0.2
Phosphate as P in water	mg/L	<0.005	0.02	<0.005	1.2	0.02

Miscellaneous Inorganics						
Our Reference		312763-11	312763-12	312763-13	312763-14	312763-15
Your Reference	UNITS	3365/SW202 W1	3365/SW202 W2	3365/SW203 W1	3365/SW203 W2	3365/SW204 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Total Suspended Solids	mg/L	<5	<5	10	9	44
Chlorophyll a	mg/m^3	<1	1	<1	2	<1
Total Nitrogen in water	mg/L	0.1	0.1	0.1	0.1	0.4
Phosphate as P in water	mg/L	0.01	0.01	0.01	0.01	0.006

Miscellaneous Inorganics						
Our Reference		312763-16	312763-17	312763-18	312763-19	312763-20
Your Reference	UNITS	3365/SW204 W2	3365/SW205 W1	3365/SW205 W2	3365/SW206 W1	3365/SW206 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Total Suspended Solids	mg/L	32	8	7	8	6
Chlorophyll a	mg/m^3	4	<1	1	<1	1
Total Nitrogen in water	mg/L	0.3	0.1	0.1	0.1	<0.1
Phosphate as P in water	mg/L	0.007	0.009	0.009	0.01	0.01

Miscellaneous Inorganics						
Our Reference		312763-21	312763-22	312763-23	312763-24	312763-25
Your Reference	UNITS	3365/SW207 W1	3365/SW208 W2	3365/SW209 W1	3365/SW209 W2	3365/SW210 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Total Suspended Solids	mg/L	12	8	6	6	9
Chlorophyll a	mg/m^3	<1	<1	<1	2	<1
Total Nitrogen in water	mg/L	0.1	0.1	0.1	0.1	0.1
Phosphate as P in water	mg/L	0.006	0.009	0.01	0.009	0.009

Miscellaneous Inorganics						
Our Reference		312763-26	312763-27	312763-28	312763-29	312763-30
Your Reference	UNITS	3365/SW210 W2	3365/SW211 W1	3365/SW211 W2	3365/SW212 W1	3365/SW212 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Total Suspended Solids	mg/L	9	15	72	46	54
Chlorophyll a	mg/m^3	<1	<1	2	<1	<1
Total Nitrogen in water	mg/L	0.1	0.1	0.1	0.1	0.2
Phosphate as P in water	mg/L	0.009	0.01	0.01	0.01	0.01

Miscellaneous Inorganics						
Our Reference		312763-31	312763-32	312763-33	312763-34	312763-35
Your Reference	UNITS	3365/SW213 W1	3365/SW213 W2	3365/SW214 W1	3365/SW214 W2	3365/SW215 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Total Suspended Solids	mg/L	<5	10	20	20	10
Chlorophyll a	mg/m^3	1	1	1	2	<1
Total Nitrogen in water	mg/L	0.1	0.1	0.1	0.1	0.2
Phosphate as P in water	mg/L	0.01	0.01	0.008	0.006	0.009

Miscellaneous Inorganics						
Our Reference		312763-36	312763-37	312763-38	312763-39	312763-40
Your Reference	UNITS	3365/SW215 W2	3365/SW216 W1	3365/SW216 W2	3365/SW217 W1	3365/SW217 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Total Suspended Solids	mg/L	7	6	<5	<5	14
Chlorophyll a	mg/m^3	<1	<1	1	2	1
Total Nitrogen in water	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phosphate as P in water	mg/L	0.01	0.01	0.01	0.009	0.008

Miscellaneous Inorganics						
Our Reference		312763-41	312763-42	312763-43	312763-44	312763-45
Your Reference	UNITS	3365/SW303 W1	3365/SW303 W2	3365/SW304 W1	3365/SW304 W2	3365/SW305 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Total Suspended Solids	mg/L	360	90	30	54	22
Chlorophyll a	mg/m^3	10	20	20	30	10
Total Nitrogen in water	mg/L	0.8	0.7	2.2	2.0	1.0
Phosphate as P in water	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005

Miscellaneous Inorganics						
Our Reference		312763-46	312763-47	312763-48	312763-49	312763-50
Your Reference	UNITS	3365/SW305 W2	3365/SW306 W1	3365/SW306 W2	3365/SW307 W1	3365/SW307 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Total Suspended Solids	mg/L	84	210	62	370	360
Chlorophyll a	mg/m^3	20	10	3	7	6
Total Nitrogen in water	mg/L	0.8	0.8	0.9	1.5	1.5
Phosphate as P in water	mg/L	<0.005	<0.005	<0.005	0.008	0.01

Miscellaneous Inorganics						
Our Reference		312763-51	312763-52	312763-57	312763-58	312763-59
Your Reference	UNITS	3365/SW308 W1	3365/SW308 W2	3365/GW DUP01	3365/SW207 W2	3365/SW208 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
Date analysed	-	14/12/2022	14/12/2022	14/12/2022	14/12/2022	14/12/2022
pH	pH Units	[NA]	[NA]	7.0	[NA]	[NA]
Electrical Conductivity	µS/cm	[NA]	[NA]	2,100	[NA]	[NA]
Total Suspended Solids	mg/L	1,900	920	[NA]	14	18
Chlorophyll a	mg/m^3	97	76	[NA]	<1	<1
Total Nitrogen in water	mg/L	1.7	1.7	[NA]	0.1	0.1
Phosphate as P in water	mg/L	<0.005	<0.005	[NA]	0.008	0.009

Microbiologocal Testing						
Our Reference		312763-1	312763-2	312763-3	312763-4	312763-5
Your Reference	UNITS	3365/SW201W/1	3365/GW01	3365/GW02	3365/GW03	3365/GW04
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	10/12/2022	10/12/2022	10/12/2022	10/12/2022	10/12/2022
E. coli	cfu/100mL	<10	[NA]	[NA]	[NA]	[NA]
Faecal Coliforms	cfu/100mL	<10	<18 mpn/100mL	<18 mpn/100mL	<18 mpn/100mL	<18 mpn/100mL

Microbiologocal Testing						
Our Reference		312763-6	312763-7	312763-8	312763-9	312763-10
Your Reference	UNITS	3365/GW05	3365/GW06	3365/GW07	3365/SW101	3365/SW201
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	10/12/2022	10/12/2022	10/12/2022	10/12/2022	10/12/2022
E. coli	cfu/100mL	[NA]	[NA]	[NA]	20 mpn/100mL	<10
Faecal Coliforms	cfu/100mL	1,400 mpn/100mL	20 mpn/100mL	210 mpn/100mL	20 mpn/100mL	<10

Microbiologocal Testing						
Our Reference		312763-11	312763-12	312763-13	312763-14	312763-15
Your Reference	UNITS	3365/SW202 W1	3365/SW202 W2	3365/SW203 W1	3365/SW203 W2	3365/SW204 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	10/12/2022	10/12/2022	10/12/2022	10/12/2022	10/12/2022
E. coli	cfu/100mL	<10	<10	<10	10^A	<100
Faecal Coliforms	cfu/100mL	<10	<10	<10	10^A	<100

Microbiologocal Testing						
Our Reference		312763-16	312763-17	312763-18	312763-19	312763-20
Your Reference	UNITS	3365/SW204 W2	3365/SW205 W1	3365/SW205 W2	3365/SW206 W1	3365/SW206 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	10/12/2022	10/12/2022	10/12/2022	10/12/2022	10/12/2022
E. coli	cfu/100mL	<100 & >10	<10	<10	<10	<10
Faecal Coliforms	cfu/100mL	<100 & >10	<10	<10	<10	<10

Microbiologocal Testing						
Our Reference		312763-21	312763-22	312763-23	312763-24	312763-25
Your Reference	UNITS	3365/SW207 W1	3365/SW208 W2	3365/SW209 W1	3365/SW209 W2	3365/SW210 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	10/12/2022	10/12/2022	10/12/2022	10/12/2022	10/12/2022
E. coli	cfu/100mL	<10	<10	<10	<10	<10
Faecal Coliforms	cfu/100mL	<10	<10	<10	<10	<10

Microbiologocal Testing						
Our Reference		312763-26	312763-27	312763-28	312763-29	312763-30
Your Reference	UNITS	3365/SW210 W2	3365/SW211 W1	3365/SW211 W2	3365/SW212 W1	3365/SW212 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	10/12/2022	10/12/2022	10/12/2022	10/12/2022	10/12/2022
E. coli	cfu/100mL	<10	<10	10^A	10^A	<10
Faecal Coliforms	cfu/100mL	<10	<10	10^A	10^A	<10

Microbiologocal Testing						
Our Reference		312763-31	312763-32	312763-33	312763-34	312763-35
Your Reference	UNITS	3365/SW213 W1	3365/SW213 W2	3365/SW214 W1	3365/SW214 W2	3365/SW215 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	10/12/2022	10/12/2022	10/12/2022	10/12/2022	10/12/2022
E. coli	cfu/100mL	<10	<10	<10	<10	<10
Faecal Coliforms	cfu/100mL	<10	<10	<10	<10	<10

Microbiologocal Testing						
Our Reference		312763-36	312763-37	312763-38	312763-39	312763-40
Your Reference	UNITS	3365/SW215 W2	3365/SW216 W1	3365/SW216 W2	3365/SW217 W1	3365/SW217 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	10/12/2022	10/12/2022	10/12/2022	10/12/2022	10/12/2022
E. coli	cfu/100mL	<10	<10	<10	<10	<10
Faecal Coliforms	cfu/100mL	<10	<10	<10	<10	<10

Microbiologocal Testing						
Our Reference		312763-41	312763-42	312763-43	312763-44	312763-45
Your Reference	UNITS	3365/SW303 W1	3365/SW303 W2	3365/SW304 W1	3365/SW304 W2	3365/SW305 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	10/12/2022	10/12/2022	10/12/2022	10/12/2022	10/12/2022
E. coli	cfu/100mL	<1,000 NBO	<1,000	<18 mpn/100mL	<18 mpn/100m	<100
Faecal Coliforms	cfu/100mL	<1,000 NBO	<1,000	<18 mpn/100m	<18 mpn/100m	<100

Microbiologocal Testing						
Our Reference		312763-46	312763-47	312763-48	312763-49	312763-50
Your Reference	UNITS	3365/SW305 W2	3365/SW306 W1	3365/SW306 W2	3365/SW307 W1	3365/SW307 W2
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	10/12/2022	10/12/2022	10/12/2022	10/12/2022	10/12/2022
E. coli	cfu/100mL	<100	<100	<100	<18 mpn/100m	<18 mpn/100m
Faecal Coliforms	cfu/100mL	<100	<100	<100	<18 mpn/100m	<18 mpn/100m

Microbiologocal Testing					
Our Reference		312763-51	312763-52	312763-58	312763-59
Your Reference	UNITS	3365/SW308 W1	3365/SW308 W2	3365/SW207 W2	3365/SW208 W1
Date Sampled		05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22	05/12/22-09/12/22
Type of sample		Water	Water	Water	Water
Date of testing	-	10/12/2022	10/12/2022	10/12/2022	10/12/2022
E. coli	cfu/100mL	700 mpn/100mL	130 mpn/100mL	<10	<10
Faecal Coliforms	cfu/100mL	700 mpn/100mL	13 mpn/100mL	<10	<10

Method ID	Methodology Summary
Ext-008	Subcontracted to Sonic Food & Water Testing. NATA Accreditation No. 4034.
Inorg-001	pH - Measured using pH meter and electrode in accordance with APHA latest edition, 4500-H+. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.
Inorg-002	Conductivity and Salinity - measured using a conductivity cell at 25°C in accordance with APHA latest edition 2510 and Rayment & Lyons.
Inorg-019	Suspended Solids - determined gravimetricially by filtration of the sample. The samples are dried at 104+/-5°C.
Inorg-055/062/127	Total Nitrogen - Calculation sum of TKN and oxidised Nitrogen. Alternatively analysed by combustion and chemiluminescence.
Inorg-060	Phosphate determined colourimetrically based on EPA365.1 and APHA latest edition 4500 P E. Waters samples are filtered on receipt prior to analysis. Soils are analysed following a water extraction.
INORG-119	Chlorophyll A based on APHA 10200 H latest edition.
Metals-020	Determination of various metals by ICP-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Metals-022	Determination of various metals by ICP-MS.
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-021	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			16/12/2022	1	14/12/2022	16/12/2022		14/12/2022	[NT]
Date analysed	-			16/12/2022	1	14/12/2022	16/12/2022		14/12/2022	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	<10	1	<10	<10	0	109	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	<10	1	<10	<10	0	109	[NT]
Surrogate Dibromofluoromethane	%		Org-023	102	1	112	99	12	103	[NT]
Surrogate toluene-d8	%		Org-023	102	1	103	101	2	102	[NT]
Surrogate 4-BFB	%		Org-023	97	1	107	99	8	100	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	[NT]
Date extracted	-			[NT]	9	16/12/2022	16/12/2022		14/12/2022	[NT]
Date analysed	-			[NT]	9	16/12/2022	16/12/2022		14/12/2022	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	9	<10	<10	0	107	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	9	<10	<10	0	107	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	9	111	109	2	105	[NT]
Surrogate toluene-d8	%		Org-023	[NT]	9	105	104	1	106	[NT]
Surrogate 4-BFB	%		Org-023	[NT]	9	104	103	1	101	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	[NT]
Date extracted	-			[NT]	17	14/12/2022	16/12/2022		16/12/2022	[NT]
Date analysed	-			[NT]	17	14/12/2022	16/12/2022		16/12/2022	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	17	<10	<10	0	84	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	17	<10	<10	0	84	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	17	99	99	0	99	[NT]
Surrogate toluene-d8	%		Org-023	[NT]	17	101	101	0	99	[NT]
Surrogate 4-BFB	%		Org-023	[NT]	17	99	97	2	102	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W4	[NT]
Date extracted	-			[NT]	27	14/12/2022	16/12/2022		16/12/2022	[NT]
Date analysed	-			[NT]	27	14/12/2022	16/12/2022		16/12/2022	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	27	<10	<10	0	88	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	27	<10	<10	0	88	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	27	97	98	1	96	[NT]
Surrogate toluene-d8	%		Org-023	[NT]	27	98	100	2	97	[NT]
Surrogate 4-BFB	%		Org-023	[NT]	27	99	101	2	99	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	37	14/12/2022	16/12/2022		[NT]	[NT]
Date analysed	-			[NT]	37	14/12/2022	16/12/2022		[NT]	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	37	<10	<10	0	[NT]	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	37	<10	<10	0	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	37	101	100	1	[NT]	[NT]
Surrogate toluene-d8	%		Org-023	[NT]	37	100	100	0	[NT]	[NT]
Surrogate 4-BFB	%		Org-023	[NT]	37	101	97	4	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	312763-10
Date extracted	-			13/12/2022	9	13/12/2022	13/12/2022		13/12/2022	13/12/2022
Date analysed	-			13/12/2022	9	14/12/2022	14/12/2022		13/12/2022	14/12/2022
TRH C_{10} - C_{14}	µg/L	50	Org-020	<50	9	<50	<50	0	83	84
TRH C_{15} - C_{28}	µg/L	100	Org-020	<100	9	120	<100	18	95	96
TRH C_{29} - C_{36}	µg/L	100	Org-020	<100	9	<100	<100	0	100	97
TRH >C_{10} - C_{16}	µg/L	50	Org-020	<50	9	62	50	21	83	84
TRH >C_{16} - C_{34}	µg/L	100	Org-020	<100	9	160	110	37	95	96
TRH >C_{34} - C_{40}	µg/L	100	Org-020	<100	9	<100	<100	0	100	97
Surrogate o-Terphenyl	%		Org-020	93	9	77	70	10	85	70

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	312763-28
Date extracted	-			[NT]	17	13/12/2022	13/12/2022		13/12/2022	13/12/2022
Date analysed	-			[NT]	17	13/12/2022	13/12/2022		14/12/2022	14/12/2022
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	17	<50	<50	0	82	76
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	17	<100	<100	0	96	84
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	17	<100	<100	0	114	83
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	17	<50	<50	0	82	76
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	17	<100	<100	0	96	84
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	17	<100	<100	0	114	83
Surrogate o-Terphenyl	%		Org-020	[NT]	17	66	68	3	85	93

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	27	13/12/2022	13/12/2022		[NT]	[NT]
Date analysed	-			[NT]	27	14/12/2022	14/12/2022		[NT]	[NT]
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	27	<50	<50	0	[NT]	[NT]
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	27	<100	<100	0	[NT]	[NT]
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	27	<100	<100	0	[NT]	[NT]
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	27	<50	<50	0	[NT]	[NT]
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	27	<100	<100	0	[NT]	[NT]
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	27	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-020	[NT]	27	76	81	6	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	47	13/12/2022	13/12/2022		[NT]	[NT]
Date analysed	-			[NT]	47	15/12/2022	15/12/2022		[NT]	[NT]
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	47	<50	<50	0	[NT]	[NT]
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	47	<100	<100	0	[NT]	[NT]
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	47	<100	<100	0	[NT]	[NT]
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	47	<50	<50	0	[NT]	[NT]
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	47	<100	<100	0	[NT]	[NT]
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	47	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-020	[NT]	47	63	83	27	[NT]	[NT]

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	312763-11
Date extracted	-			13/12/2022	9	13/12/2022	13/12/2022		13/12/2022	13/12/2022
Date analysed	-			14/12/2022	9	14/12/2022	14/12/2022		14/12/2022	14/12/2022
Naphthalene	µg/L	1	Org-022/025	<1	9	<1	<1	0	76	71
Acenaphthylene	µg/L	1	Org-022/025	<1	9	<1	<1	0	[NT]	[NT]
Acenaphthene	µg/L	1	Org-022/025	<1	9	<1	<1	0	77	73
Fluorene	µg/L	1	Org-022/025	<1	9	<1	<1	0	78	72
Phenanthrene	µg/L	1	Org-022/025	<1	9	<1	<1	0	82	77
Anthracene	µg/L	1	Org-022/025	<1	9	<1	<1	0	[NT]	[NT]
Fluoranthene	µg/L	1	Org-022/025	<1	9	<1	<1	0	80	78
Pyrene	µg/L	1	Org-022/025	<1	9	<1	<1	0	85	81
Benzo(a)anthracene	µg/L	1	Org-022/025	<1	9	<1	<1	0	[NT]	[NT]
Chrysene	µg/L	1	Org-022/025	<1	9	<1	<1	0	97	97
Benzo(b,j+k)fluoranthene	µg/L	2	Org-022/025	<2	9	<2	<2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	1	Org-022/025	<1	9	<1	<1	0	82	82
Indeno(1,2,3-c,d)pyrene	µg/L	1	Org-022/025	<1	9	<1	<1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	1	Org-022/025	<1	9	<1	<1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	1	Org-022/025	<1	9	<1	<1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	98	9	63	63	0	108	83

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	312763-29
Date extracted	-			[NT]	17	13/12/2022	13/12/2022		13/12/2022	13/12/2022
Date analysed	-			[NT]	17	14/12/2022	14/12/2022		14/12/2022	14/12/2022
Naphthalene	µg/L	1	Org-022/025	[NT]	17	<1	<1	0	79	76
Acenaphthylene	µg/L	1	Org-022/025	[NT]	17	<1	<1	0	[NT]	[NT]
Acenaphthene	µg/L	1	Org-022/025	[NT]	17	<1	<1	0	77	79
Fluorene	µg/L	1	Org-022/025	[NT]	17	<1	<1	0	83	80
Phenanthrene	µg/L	1	Org-022/025	[NT]	17	<1	<1	0	83	80
Anthracene	µg/L	1	Org-022/025	[NT]	17	<1	<1	0	[NT]	[NT]
Fluoranthene	µg/L	1	Org-022/025	[NT]	17	<1	<1	0	82	84
Pyrene	µg/L	1	Org-022/025	[NT]	17	<1	<1	0	85	85
Benzo(a)anthracene	µg/L	1	Org-022/025	[NT]	17	<1	<1	0	[NT]	[NT]
Chrysene	µg/L	1	Org-022/025	[NT]	17	<1	<1	0	97	99
Benzo(b,j+k)fluoranthene	µg/L	2	Org-022/025	[NT]	17	<2	<2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	1	Org-022/025	[NT]	17	<1	<1	0	81	98
Indeno(1,2,3-c,d)pyrene	µg/L	1	Org-022/025	[NT]	17	<1	<1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	1	Org-022/025	[NT]	17	<1	<1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	1	Org-022/025	[NT]	17	<1	<1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	17	70	73	4	108	88

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	312763-49
Date extracted	-			[NT]	27	13/12/2022	13/12/2022		14/12/2022	14/12/2022
Date analysed	-			[NT]	27	14/12/2022	14/12/2022		15/12/2022	14/12/2022
Naphthalene	µg/L	1	Org-022/025	[NT]	27	<1	<1	0	61	72
Acenaphthylene	µg/L	1	Org-022/025	[NT]	27	<1	<1	0	[NT]	[NT]
Acenaphthene	µg/L	1	Org-022/025	[NT]	27	<1	<1	0	65	73
Fluorene	µg/L	1	Org-022/025	[NT]	27	<1	<1	0	67	76
Phenanthrene	µg/L	1	Org-022/025	[NT]	27	<1	<1	0	69	77
Anthracene	µg/L	1	Org-022/025	[NT]	27	<1	<1	0	[NT]	[NT]
Fluoranthene	µg/L	1	Org-022/025	[NT]	27	<1	<1	0	69	76
Pyrene	µg/L	1	Org-022/025	[NT]	27	<1	<1	0	69	81
Benzo(a)anthracene	µg/L	1	Org-022/025	[NT]	27	<1	<1	0	[NT]	[NT]
Chrysene	µg/L	1	Org-022/025	[NT]	27	<1	<1	0	89	93
Benzo(b,j+k)fluoranthene	µg/L	2	Org-022/025	[NT]	27	<2	<2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	1	Org-022/025	[NT]	27	<1	<1	0	74	78
Indeno(1,2,3-c,d)pyrene	µg/L	1	Org-022/025	[NT]	27	<1	<1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	1	Org-022/025	[NT]	27	<1	<1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	1	Org-022/025	[NT]	27	<1	<1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	27	87	80	8	82	78

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	37	14/12/2022	14/12/2022		[NT]	[NT]
Date analysed	-			[NT]	37	15/12/2022	15/12/2022		[NT]	[NT]
Naphthalene	µg/L	1	Org-022/025	[NT]	37	<1	<1	0	[NT]	[NT]
Acenaphthylene	µg/L	1	Org-022/025	[NT]	37	<1	<1	0	[NT]	[NT]
Acenaphthene	µg/L	1	Org-022/025	[NT]	37	<1	<1	0	[NT]	[NT]
Fluorene	µg/L	1	Org-022/025	[NT]	37	<1	<1	0	[NT]	[NT]
Phenanthrene	µg/L	1	Org-022/025	[NT]	37	<1	<1	0	[NT]	[NT]
Anthracene	µg/L	1	Org-022/025	[NT]	37	<1	<1	0	[NT]	[NT]
Fluoranthene	µg/L	1	Org-022/025	[NT]	37	<1	<1	0	[NT]	[NT]
Pyrene	µg/L	1	Org-022/025	[NT]	37	<1	<1	0	[NT]	[NT]
Benzo(a)anthracene	µg/L	1	Org-022/025	[NT]	37	<1	<1	0	[NT]	[NT]
Chrysene	µg/L	1	Org-022/025	[NT]	37	<1	<1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	µg/L	2	Org-022/025	[NT]	37	<2	<2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	1	Org-022/025	[NT]	37	<1	<1	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	µg/L	1	Org-022/025	[NT]	37	<1	<1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	1	Org-022/025	[NT]	37	<1	<1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	1	Org-022/025	[NT]	37	<1	<1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	37	89	92	3	[NT]	[NT]

QUALITY CONTROL: PAHs in Water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	47	14/12/2022	14/12/2022		[NT]	[NT]
Date analysed	-			[NT]	47	14/12/2022	14/12/2022		[NT]	[NT]
Naphthalene	µg/L	1	Org-022/025	[NT]	47	<1	<1	0	[NT]	[NT]
Acenaphthylene	µg/L	1	Org-022/025	[NT]	47	<1	<1	0	[NT]	[NT]
Acenaphthene	µg/L	1	Org-022/025	[NT]	47	<1	<1	0	[NT]	[NT]
Fluorene	µg/L	1	Org-022/025	[NT]	47	<1	<1	0	[NT]	[NT]
Phenanthrene	µg/L	1	Org-022/025	[NT]	47	<1	<1	0	[NT]	[NT]
Anthracene	µg/L	1	Org-022/025	[NT]	47	<1	<1	0	[NT]	[NT]
Fluoranthene	µg/L	1	Org-022/025	[NT]	47	<1	<1	0	[NT]	[NT]
Pyrene	µg/L	1	Org-022/025	[NT]	47	<1	<1	0	[NT]	[NT]
Benzo(a)anthracene	µg/L	1	Org-022/025	[NT]	47	<1	<1	0	[NT]	[NT]
Chrysene	µg/L	1	Org-022/025	[NT]	47	<1	<1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	µg/L	2	Org-022/025	[NT]	47	<2	<2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	1	Org-022/025	[NT]	47	<1	<1	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	µg/L	1	Org-022/025	[NT]	47	<1	<1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	1	Org-022/025	[NT]	47	<1	<1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	1	Org-022/025	[NT]	47	<1	<1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	47	78	87	11	[NT]	[NT]

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	312763-11
Date extracted	-			14/12/2022	9	13/12/2022	13/12/2022		14/12/2022	13/12/2022
Date analysed	-			14/12/2022	9	14/12/2022	14/12/2022		14/12/2022	14/12/2022
alpha-BHC	µg/L	0.2	Org-022/025	<0.2	9	<0.2	<0.2	0	86	78
HCB	µg/L	0.2	Org-022/025	<0.2	9	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	<0.2	9	<0.2	<0.2	0	85	82
gamma-BHC	µg/L	0.2	Org-022/025	<0.2	9	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	<0.2	9	<0.2	<0.2	0	87	83
delta-BHC	µg/L	0.2	Org-022/025	<0.2	9	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	<0.2	9	<0.2	<0.2	0	93	89
Heptachlor Epoxide	µg/L	0.2	Org-022/025	<0.2	9	<0.2	<0.2	0	90	86
gamma-Chlordane	µg/L	0.2	Org-022/025	<0.2	9	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	<0.2	9	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	<0.2	9	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	<0.2	9	<0.2	<0.2	0	90	84
Dieldrin	µg/L	0.2	Org-022/025	<0.2	9	<0.2	<0.2	0	96	92
Endrin	µg/L	0.2	Org-022/025	<0.2	9	<0.2	<0.2	0	84	92
Endosulfan II	µg/L	0.2	Org-022/025	<0.2	9	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	<0.2	9	<0.2	<0.2	0	88	78
Endrin Aldehyde	µg/L	0.2	Org-022/025	<0.2	9	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	<0.2	9	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	<0.2	9	<0.2	<0.2	0	78	70
Methoxychlor	µg/L	0.2	Org-022/025	<0.2	9	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	96	9	67	66	2	102	84

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	312763-29
Date extracted	-			[NT]	17	13/12/2022	13/12/2022		14/12/2022	13/12/2022
Date analysed	-			[NT]	17	14/12/2022	14/12/2022		14/12/2022	14/12/2022
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	86	86
HCB	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	96	89
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	86	91
delta-BHC	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	92	97
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	89	92
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	90	92
Dieldrin	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	98	100
Endrin	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	86	92
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	89	86
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	84	76
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	17	73	74	1	102	89

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	312763-49
Date extracted	-			[NT]	27	13/12/2022	13/12/2022		14/12/2022	14/12/2022
Date analysed	-			[NT]	27	14/12/2022	14/12/2022		15/12/2022	14/12/2022
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	68	82
HCB	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	71	85
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	73	83
delta-BHC	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	77	87
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	76	82
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	72	88
Dieldrin	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	78	94
Endrin	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	76	86
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	68	88
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	60	86
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	27	85	77	10	81	81

QUALITY CONTROL: Organochlorine Pesticides in Water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	37	14/12/2022	14/12/2022		[NT]	[NT]
Date analysed	-			[NT]	37	15/12/2022	15/12/2022		[NT]	[NT]
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	37	<0.2	<0.2	0	[NT]	[NT]
HCB	µg/L	0.2	Org-022/025	[NT]	37	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	37	<0.2	<0.2	0	[NT]	[NT]
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	37	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	37	<0.2	<0.2	0	[NT]	[NT]
delta-BHC	µg/L	0.2	Org-022/025	[NT]	37	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	37	<0.2	<0.2	0	[NT]	[NT]
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	37	<0.2	<0.2	0	[NT]	[NT]
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	37	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	37	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	37	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	37	<0.2	<0.2	0	[NT]	[NT]
Dieldrin	µg/L	0.2	Org-022/025	[NT]	37	<0.2	<0.2	0	[NT]	[NT]
Endrin	µg/L	0.2	Org-022/025	[NT]	37	<0.2	<0.2	0	[NT]	[NT]
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	37	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	37	<0.2	<0.2	0	[NT]	[NT]
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	37	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	37	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	37	<0.2	<0.2	0	[NT]	[NT]
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	37	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	37	85	91	7	[NT]	[NT]

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	47	14/12/2022	14/12/2022		[NT]	[NT]
Date analysed	-			[NT]	47	14/12/2022	14/12/2022		[NT]	[NT]
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	47	<0.2	<0.2	0	[NT]	[NT]
HCB	µg/L	0.2	Org-022/025	[NT]	47	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	47	<0.2	<0.2	0	[NT]	[NT]
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	47	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	47	<0.2	<0.2	0	[NT]	[NT]
delta-BHC	µg/L	0.2	Org-022/025	[NT]	47	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	47	<0.2	<0.2	0	[NT]	[NT]
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	47	<0.2	<0.2	0	[NT]	[NT]
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	47	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	47	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	47	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	47	<0.2	<0.2	0	[NT]	[NT]
Dieldrin	µg/L	0.2	Org-022/025	[NT]	47	<0.2	<0.2	0	[NT]	[NT]
Endrin	µg/L	0.2	Org-022/025	[NT]	47	<0.2	<0.2	0	[NT]	[NT]
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	47	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	47	<0.2	<0.2	0	[NT]	[NT]
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	47	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	47	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	47	<0.2	<0.2	0	[NT]	[NT]
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	47	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	47	77	83	8	[NT]	[NT]

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	312763-11
Date extracted	-			13/12/2022	9	13/12/2022	13/12/2022		13/12/2022	13/12/2022
Date analysed	-			14/12/2022	9	14/12/2022	14/12/2022		14/12/2022	14/12/2022
Aroclor 1016	µg/L	2	Org-021	<2	9	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	<2	9	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	<2	9	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	<2	9	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	<2	9	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	<2	9	<2	<2	0	126	110
Aroclor 1260	µg/L	2	Org-021	<2	9	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	96	9	67	66	2	102	84

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	312763-29
Date extracted	-			[NT]	17	13/12/2022	13/12/2022		13/12/2022	13/12/2022
Date analysed	-			[NT]	17	14/12/2022	14/12/2022		14/12/2022	14/12/2022
Aroclor 1016	µg/L	2	Org-021	[NT]	17	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	[NT]	17	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	[NT]	17	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	[NT]	17	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	[NT]	17	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	[NT]	17	<2	<2	0	110	110
Aroclor 1260	µg/L	2	Org-021	[NT]	17	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	17	73	74	1	102	89

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	312763-49
Date extracted	-			[NT]	27	13/12/2022	13/12/2022		14/12/2022	14/12/2022
Date analysed	-			[NT]	27	14/12/2022	14/12/2022		15/12/2022	14/12/2022
Aroclor 1016	µg/L	2	Org-021	[NT]	27	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	[NT]	27	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	[NT]	27	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	[NT]	27	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	[NT]	27	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	[NT]	27	<2	<2	0	100	120
Aroclor 1260	µg/L	2	Org-021	[NT]	27	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	27	85	77	10	81	81

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	37	14/12/2022	14/12/2022		[NT]	[NT]
Date analysed	-			[NT]	37	15/12/2022	15/12/2022		[NT]	[NT]
Aroclor 1016	µg/L	2	Org-021	[NT]	37	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	[NT]	37	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	[NT]	37	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	[NT]	37	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	[NT]	37	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	[NT]	37	<2	<2	0	[NT]	[NT]
Aroclor 1260	µg/L	2	Org-021	[NT]	37	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	37	85	91	7	[NT]	[NT]

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	47	14/12/2022	14/12/2022		[NT]	[NT]
Date analysed	-			[NT]	47	14/12/2022	14/12/2022		[NT]	[NT]
Aroclor 1016	µg/L	2	Org-021	[NT]	47	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	[NT]	47	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	[NT]	47	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	[NT]	47	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	[NT]	47	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	[NT]	47	<2	<2	0	[NT]	[NT]
Aroclor 1260	µg/L	2	Org-021	[NT]	47	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	47	77	83	8	[NT]	[NT]

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	312763-9
Date prepared	-			14/12/2022	1	14/12/2022	14/12/2022		14/12/2022	14/12/2022
Date analysed	-			14/12/2022	1	14/12/2022	14/12/2022		14/12/2022	14/12/2022
Aluminium-Total	µg/L	10	Metals-022	<10	1	60	60	0	94	[NT]
Arsenic-Total	µg/L	1	Metals-022	<1	1	2	2	0	87	[NT]
Chromium-Total	µg/L	1	Metals-022	<1	1	2	2	0	87	[NT]
Copper-Total	µg/L	1	Metals-022	<1	1	<1	<1	0	87	[NT]
Iron-Total	µg/L	10	Metals-022	<10	1	120	130	8	83	[NT]
Mercury-Total	µg/L	0.05	Metals-021	<0.05	1	<0.05	<0.05	0	93	85
Lead-Total	µg/L	1	Metals-022	<1	1	<1	<1	0	90	[NT]
Selenium-Total	µg/L	1	Metals-022	<1	1	<1	<1	0	93	[NT]
Zinc-Total	µg/L	1	Metals-022	<1	1	1	1	0	83	[NT]

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	312763-10
Date prepared	-			[NT]	18	14/12/2022	14/12/2022		14/12/2022	14/12/2022
Date analysed	-			[NT]	18	14/12/2022	14/12/2022		14/12/2022	14/12/2022
Aluminium-Total	µg/L	10	Metals-022	[NT]	18	80	[NT]		92	92
Arsenic-Total	µg/L	1	Metals-022	[NT]	18	2	[NT]		88	107
Chromium-Total	µg/L	1	Metals-022	[NT]	18	1	[NT]		89	102
Copper-Total	µg/L	1	Metals-022	[NT]	18	<1	[NT]		87	89
Iron-Total	µg/L	10	Metals-022	[NT]	18	130	[NT]		82	116
Mercury-Total	µg/L	0.05	Metals-021	[NT]	18	<0.05	<0.05	0	94	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	18	<1	[NT]		91	90
Selenium-Total	µg/L	1	Metals-022	[NT]	18	<1	[NT]		95	100
Zinc-Total	µg/L	1	Metals-022	[NT]	18	<1	[NT]		84	88

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	312763-29
Date prepared	-			[NT]	19	14/12/2022	14/12/2022		14/12/2022	14/12/2022
Date analysed	-			[NT]	19	14/12/2022	14/12/2022		14/12/2022	14/12/2022
Aluminium-Total	µg/L	10	Metals-022	[NT]	19	50	60	18	99	#
Arsenic-Total	µg/L	1	Metals-022	[NT]	19	2	1	67	87	102
Chromium-Total	µg/L	1	Metals-022	[NT]	19	2	2	0	87	99
Copper-Total	µg/L	1	Metals-022	[NT]	19	<1	<1	0	82	82
Iron-Total	µg/L	10	Metals-022	[NT]	19	98	91	7	83	#
Mercury-Total	µg/L	0.05	Metals-021	[NT]	19	<0.05	[NT]		94	98
Lead-Total	µg/L	1	Metals-022	[NT]	19	<1	<1	0	90	88
Selenium-Total	µg/L	1	Metals-022	[NT]	19	<1	<1	0	92	99
Zinc-Total	µg/L	1	Metals-022	[NT]	19	10	11	10	82	80

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	312763-49
Date prepared	-			[NT]	28	14/12/2022	14/12/2022		[NT]	14/12/2022
Date analysed	-			[NT]	28	14/12/2022	14/12/2022		[NT]	14/12/2022
Aluminium-Total	µg/L	10	Metals-022	[NT]	28	190	220	15	[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	28	2	2	0	[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	28	1	1	0	[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	28	<1	<1	0	[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	28	320	400	22	[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	28	<0.05	<0.05	0	[NT]	85
Lead-Total	µg/L	1	Metals-022	[NT]	28	<1	<1	0	[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	28	<1	<1	0	[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	28	<1	<1	0	[NT]	[NT]

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	312763-52
Date prepared	-			[NT]	35	14/12/2022	14/12/2022		[NT]	14/12/2022
Date analysed	-			[NT]	35	14/12/2022	14/12/2022		[NT]	14/12/2022
Aluminium-Total	µg/L	10	Metals-022	[NT]	35	120	120	0	[NT]	#
Arsenic-Total	µg/L	1	Metals-022	[NT]	35	2	2	0	[NT]	95
Chromium-Total	µg/L	1	Metals-022	[NT]	35	1	1	0	[NT]	92
Copper-Total	µg/L	1	Metals-022	[NT]	35	1	<1	0	[NT]	83
Iron-Total	µg/L	10	Metals-022	[NT]	35	190	170	11	[NT]	#
Mercury-Total	µg/L	0.05	Metals-021	[NT]	35	<0.05	[NT]		[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	35	<1	<1	0	[NT]	94
Selenium-Total	µg/L	1	Metals-022	[NT]	35	<1	<1	0	[NT]	98
Zinc-Total	µg/L	1	Metals-022	[NT]	35	3	2	40	[NT]	85

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	36	14/12/2022	14/12/2022		[NT]	[NT]
Date analysed	-			[NT]	36	14/12/2022	14/12/2022		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	36	100	[NT]		[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	36	2	[NT]		[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	36	1	[NT]		[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	36	<1	[NT]		[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	36	150	[NT]		[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	36	<0.05	<0.05	0	[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	36	<1	[NT]		[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	36	<1	[NT]		[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	36	5	[NT]		[NT]	[NT]

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	48	14/12/2022	14/12/2022		[NT]	[NT]
Date analysed	-			[NT]	48	14/12/2022	14/12/2022		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	48	530	430	21	[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	48	2	2	0	[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	48	1	2	67	[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	48	<1	<1	0	[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	48	1400	1400	0	[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	48	<0.05	<0.05	0	[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	48	<1	<1	0	[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	48	<1	<1	0	[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	48	3	2	40	[NT]	[NT]

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	58	14/12/2022	14/12/2022		[NT]	[NT]
Date analysed	-			[NT]	58	14/12/2022	14/12/2022		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	58	90	100	11	[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	58	1	1	0	[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	58	<1	<1	0	[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	58	2	1	67	[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	58	160	140	13	[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	58	<0.05	<0.05	0	[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	58	<1	<1	0	[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	58	<1	<1	0	[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	58	2	<1	67	[NT]	[NT]

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	312763-10
Date prepared	-			14/12/2022	1	14/12/2022	14/12/2022		14/12/2022	14/12/2022
Date analysed	-			14/12/2022	1	14/12/2022	14/12/2022		14/12/2022	14/12/2022
Phosphorus - Total	mg/L	0.05	Metals-020	<0.05	1	<0.05	<0.05	0	111	105

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	312763-29
Date prepared	-			[NT]	19	14/12/2022	14/12/2022		14/12/2022	14/12/2022
Date analysed	-			[NT]	19	14/12/2022	14/12/2022		14/12/2022	14/12/2022
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	19	<0.05	<0.05	0	100	99

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	312763-52
Date prepared	-			[NT]	28	14/12/2022	14/12/2022		14/12/2022	14/12/2022
Date analysed	-			[NT]	28	14/12/2022	14/12/2022		14/12/2022	14/12/2022
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	28	<0.1	<0.05	67	108	108

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	35	14/12/2022	14/12/2022		[NT]	[NT]
Date analysed	-			[NT]	35	14/12/2022	14/12/2022		[NT]	[NT]
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	35	<0.05	<0.05	0	[NT]	[NT]

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	48	14/12/2022	14/12/2022		[NT]	[NT]
Date analysed	-			[NT]	48	14/12/2022	14/12/2022		[NT]	[NT]
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	48	<0.1	<0.1	0	[NT]	[NT]

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	58	14/12/2022	14/12/2022		[NT]	[NT]
Date analysed	-			[NT]	58	14/12/2022	14/12/2022		[NT]	[NT]
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	58	<0.05	<0.05	0	[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	312763-2
Date prepared	-			14/12/2022	1	14/12/2022	14/12/2022		14/12/2022	14/12/2022
Date analysed	-			14/12/2022	1	14/12/2022	14/12/2022		14/12/2022	14/12/2022
pH	pH Units		Inorg-001	[NT]	[NT]	[NT]	[NT]	[NT]	98	[NT]
Electrical Conductivity	µS/cm	1	Inorg-002	<1	[NT]	[NT]	[NT]	[NT]	97	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	<5	1	<5	6	18	92	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	<1	1	1	[NT]		92	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	<0.1	1	0.1	0.1	0	98	96
Phosphate as P in water	mg/L	0.005	Inorg-060	<0.005	1	0.01	0.01	0	94	106

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	312763-20
Date prepared	-			[NT]	11	14/12/2022	14/12/2022		14/12/2022	14/12/2022
Date analysed	-			[NT]	11	14/12/2022	14/12/2022		14/12/2022	14/12/2022
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	11	<5	[NT]		90	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	11	<1	[NT]		92	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	11	0.1	0.1	0	88	88
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	11	0.01	0.01	0	95	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	312763-22
Date prepared	-			[NT]	19	14/12/2022	14/12/2022		14/12/2022	14/12/2022
Date analysed	-			[NT]	19	14/12/2022	14/12/2022		14/12/2022	14/12/2022
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	19	8	10	22	96	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	19	<1	[NT]		88	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	19	0.1	[NT]		87	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	19	0.01	[NT]		94	116

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	312763-28
Date prepared	-			[NT]	21	14/12/2022	14/12/2022		[NT]	14/12/2022
Date analysed	-			[NT]	21	14/12/2022	14/12/2022		[NT]	14/12/2022
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	21	12	[NT]		[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	21	<1	[NT]		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	21	0.1	0.1	0	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	21	0.006	0.008	29	[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	312763-42
Date prepared	-			[NT]	28	14/12/2022	14/12/2022		[NT]	14/12/2022
Date analysed	-			[NT]	28	14/12/2022	14/12/2022		[NT]	14/12/2022
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	28	72	82	13	[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	28	2	[NT]		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	28	0.1	[NT]		[NT]	75
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	28	0.01	[NT]		[NT]	108

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	31	14/12/2022	14/12/2022		[NT]	[NT]
Date analysed	-			[NT]	31	14/12/2022	14/12/2022		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	31	<5	[NT]		[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	31	1	[NT]		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	31	0.1	0.1	0	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	31	0.01	0.01	0	[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	38	14/12/2022	14/12/2022		[NT]	[NT]
Date analysed	-			[NT]	38	14/12/2022	14/12/2022		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	38	<5	<5	0	[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	38	1	[NT]		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	38	<0.1	[NT]		[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	38	0.01	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	41	14/12/2022	14/12/2022		[NT]	[NT]
Date analysed	-			[NT]	41	14/12/2022	14/12/2022		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	41	360	[NT]		[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	41	10	[NT]		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	41	0.8	0.8	0	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	41	<0.005	<0.005	0	[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	48	14/12/2022	14/12/2022		[NT]	[NT]
Date analysed	-			[NT]	48	14/12/2022	14/12/2022		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	48	62	64	3	[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	48	3	[NT]		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	48	0.9	[NT]		[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	48	<0.005	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	51	14/12/2022	14/12/2022		[NT]	[NT]
Date analysed	-			[NT]	51	14/12/2022	14/12/2022		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	51	1900	[NT]		[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	51	97	[NT]		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	51	1.7	1.5	12	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	51	<0.005	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	58	14/12/2022	14/12/2022		[NT]	[NT]
Date analysed	-			[NT]	58	14/12/2022	14/12/2022		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	58	14	[NT]		[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	58	<1	[NT]		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	58	0.1	[NT]		[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	58	0.008	[NT]		[NT]	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

The recommended maximums for analytes in urine are taken from “2018 TLVs and BEIs”, as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016.

Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Where matrix spike recoveries fall below the lower limit of the acceptance criteria (e.g. for non-labile or standard Organics <60%), positive result(s) in the parent sample will subsequently have a higher than typical estimated uncertainty (MU estimates supplied on request) and in these circumstances the sample result is likely biased significantly low.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Report Comments

Microbiology analysed by Sonic Food & Water Testing. Report No. W2229387, W2229386, W2229388, W2229389, W2229390, W2229391 & W2229392
^ The stated result may be statistically unreliable
A: Approximate
NBO: The presence of competing background organisms in the sample may have reduced the count.
The time between collection and the commencement of testing should not exceed 24 hours. Samples tested outside this time may have their results compromised

All metals in water - total - # Percent recovery is not applicable due to the high concentration of the element/s in the sample/s. However an acceptable recovery was obtained for the LCS.

Total metals: no unfiltered, preserved sample was received for #57, therefore analysis was conducted from the unpreserved sample bottle.
Note: there is a possibility some elements may be underestimated.

8 Metals in Waters - total - The PQL has been raised due to the sample matrix requiring dilution.

Lab Document Event 1

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SAMPLE RECEIPT ADVICE

Client Details

Client	Martens & Associates Pty Ltd
Attention	Andrew Norris, William Xu

Sample Login Details

Your reference	P1203365 - Estuarine Sampling West Culburra NSW
Envirolab Reference	312763
Date Sample Received	09/12/2022
Date Instructions Received	09/12/2022
Date Results Expected to be Reported	19/12/2022

Sample Condition

Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	59 Water
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	9
Cooling Method	Ice
Sampling Date Provided	YES

Comments

Nil

Please direct any queries to:

Aileen Hie	Jacinta Hurst
Phone: 02 9910 6200	**Phone: 02 9910 6200**
Fax: 02 9910 6201	**Fax: 02 9910 6201**
Email: ahie@envirolab.com.au	**Email: jhurst@envirolab.com.au**

Analysis Underway, details on the following page:

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Sample ID	vTRH in Water (C6-C9) NEPM	svTRH (C10-C40) in Water	PAHsin Water	Organochlorine Pesticides in Water	PCBs in Water	All metals in water - total	Metals in Waters -Acid extractable	pH	Electrical Conductivity	Total Suspended Solids	Chlorophyll a	Total Nitrogen in water	Phosphate as P in water	Microbiologocal Testing
3365/SW201W/1	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/GW01							✓					✓	✓	✓
3365/GW02							✓					✓	✓	✓
3365/GW03							✓					✓	✓	✓
3365/GW04							✓					✓	✓	✓
3365/GW05							✓					✓	✓	✓
3365/GW06							✓					✓	✓	✓
3365/GW07							✓					✓	✓	✓
3365/SW101	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW201	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW202 W1	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW202 W2	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW203 W1	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW203 W2	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW204 W1	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW204 W2	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW205 W1	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW205 W2	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW206 W1	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW206 W2	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW207 W1	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW208 W2	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW209 W1	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW209 W2	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW210 W1	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW210 W2	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW211 W1	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW211 W2	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW212 W1	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW212 W2	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW213 W1	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW213 W2	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓

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Sample ID	vTRH in Water (C6-C9) NEPM	svTRH (C10-C40) in Water	PAHsin Water	Organochlorine Pesticides in Water	PCBs in Water	All metals in water - total	Metals in Waters -Acid extractable	pH	Electrical Conductivity	Total Suspended Solids	Chlorophyll a	Total Nitrogen in water	Phosphate as P in water	Microbiologocal Testing
3365/SW214 W1	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW214 W2	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW215 W1	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW215 W2	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW216 W1	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW216 W2	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW217 W1	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW217 W2	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW303 W1	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW303 W2	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW304 W1	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW304 W2	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW305 W1	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW305 W2	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW306 W1	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW306 W2	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW307 W1	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW307 W2	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW308 W1	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW308 W2	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/DUP01						✓								
3365/DUP02						✓								
3365/DUP03						✓								
3365/DUP04						✓								
3365/GW DUP01						✓		✓	✓					
3365/SW207 W2	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW208 W1	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

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Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.
Requests for longer term sample storage must be received in writing.
Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.
TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

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SAMPLE ANALYSIS CHAIN OF CUSTODY FORM

WEST CULBURRA – ENVIROLAB QUOTATION – 22SY375_B0												
Name	P1203365 – Estuarine Sampling, West Culburra, NSW											
Martens Contact Officer	William Xu				**Contact Email**	wxu@martens.com.au						
Sampling and Shipping	**Sample Date**	05 to 09.12.2022	**Dispatch Date**		09.12.2022	**Turnaround Time**			Standard			
	Our Reference	P1203365COC22V01			**Shipping Method (X)**	**Hand**	X	**Post**		**Courier**		
	On Ice (X)	X	**No Ice (X)**		**Other (X)**							
Laboratory												
Name	Envirolab Services P/L											
Sample Delivery Address	12 Ashley St, Chatswood											
Delivery Contact	**Name**	Sample Receipt	**Phone**	02 9910 6200	**Fax**		**Email**	samplereceipt@envirolabservices.com.au				
Please Send Report By (X)	**Post**		**Fax**		**Email**	X	**Reporting Email Address**	wxu@martens.com.au and CC ANorris@martens.com.au				

	Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN. TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
1	3365/SW201 W/1	X	X	X	X			
						Envirolab Services		– –
2	3365/GW01					*12 Ashley St Chatswood NSW 2067 Ph: (02) 9910 6200*	X	
3	3365/GW02						X	
4	3365/GW03				Job No:	312763	X	
5	3365/GW04				Date Received:	9/12	X	
6	3365/GW05				Time Received:	1230	X	
7	3365/GW06				Received By:		X	
8	3365/GW07				Temp: Cool/Ambient Cooling: Ice/Icepack Security: Intact/Broken/None		X	
							X	
9	3365/SW101	X	X	X	X			

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MARTENS & ASSOCIATES P/L
ABN 85 070 240 890 ACN 070 240 890

SOIL ANALYSIS CHAIN OF CUSTODY

	Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN. TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
~~—~~	~~3365/SW201 W/1~~							
10	3365/SW201 W/2	X	X	X	X			
11	3365/SW202 W/1	X	X	X	X			
12	3365/SW202 W/2	X	X	X	X			
13	3365/SW203 W/1	X	X	X	X			
14	3365/SW203 W/2	X	X	X	X			
15	3365/SW204 W/1	X	X	X	X			
16	3365/SW204 W/2	X	X	X	X			
17	3365/SW205 W/1	X	X	X	X			
18	3365/SW205 W/1	X	X	X	X			
19	3365/SW206 W/1	X	X	X	X			
20	3365/SW206 W/2	X	X	X	X			
21	3365/SW207 W/1	X	X	X	X			
58	3365/SW207 W/2	X	X	X	X			
59	3365/SW208 W/1	X	X	X	X			
22	3365/SW208 W/2	X	X	X	X			
23	3365/SW209 W/1	X	X	X	X			
24	3365/SW209 W/2	X	X	X	X			
25	3365/SW210 W/1	X	X	X	X			
26	3365/SW210 W/2	X	X	X	X			
27	3365/SW211 W/1	X	X	X	X			
28	3365/SW211 W/2	X	X	X	X			
29	3365/SW212 W/1	X	X	X	X			
30	3365/SW212 W/2	X	X	X	X			
31	3365/SW213 W/1	X	X	X	X			
32	3365/SW213 W/2	X	X	X	X			
33	3365/SW214 W/1	X	X	X	X			
34	3365/SW214 W/2	X	X	X	X			
35	3365/SW215 W/1	X	X	X	X			
36	3365/SW215 W/2	X	X	X	X			

312703

SOIL ANALYSIS CHAIN OF CUSTODY

Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN. TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
37 3365/SW216 W/1	X	X	X	X			
38 3365/SW216 W/2	X	X	X	X			
39 3365/SW217 W/1	X	X	X	X			
40 3365/SW217 W/2	X	X	X	X			
41 3365/SW303 W/1	X	X	X	X			
42 3365/SW303 W/2	X	X	X	X			
43 3365/SW304 W/1	X	X	X	X			
44 3365/SW304 W/2	X	X	X	X			
45 3365/SW305 W/1	X	X	X	X			
46 3365/SW305 W/2	X	X	X	X			
~~3365/SW306 W/2~~	~~X~~	~~X~~	~~X~~	~~X~~			
47 3365/SW306 W/1	X	X	X	X			
48 3365/SW306 W/2	X	X	X	X			
49 3365/SW307 W/1	X	X	X	X			
50 3365/SW307 W/2	X	X	X	X			
51 3365/SW308 W/1	X	X	X	X			
52 3365/SW308 W/2	X	X	X	X			
53 3365/DUP01	X						
54 3365/DUP02	X						
55 3365/DUP03	X						
56 3365/DUP04	X						
57 3365/GW DUP01					X		

312763

Field Sheet Event 1

WATER SAMPLING FORM - Surface Water

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PROJECT INFORMATION

PROJECT NUMBER: 3365

CLIENT: Sealark Pty Ltd

SITE LOCATION: Culburra

MONTHLY / BIMONTHLY: Bimonthly (Event 1)

WET WEATHER (Y/N): N

DATE: 06 – 08 / 12 / 2022

SAMPLED BY: TR + WX

ROLE: sampler / engineer

SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
101	15:00	E: 293805.1577 N: 6132989.967	WQ Meter	19.1	6.98	-12.6	3.71		325	48.51	Slight turbid, brown, Y sample collected.
102		E: 293965.373 N: 6132268.998	WQ Meter								No sheen, no odor, Y sample collected
103		E: 294551.5727 N: 6132544.192	WQ Meter								No sheen, no odor, Y sample collected
301	10:15	E: 294133.1279 N: 6132132.344	WQ Meter	32.7	7.74	165.4	2.08		62804	253.13	No sheen, no odor, Y sample collected.
302	13:05	E: 294417.7457 N: 6131862.805	WQ Meter								DRY, N sample not collected.
303		E: 294968.1325 N: 6131646.043	WQ Meter								DRY, N sample not collected.
304	11:05	E: 293592.1655 N: 6131495.252	WQ Meter	18.8	6.75	153.0	3.01		2071	79.0	No sheen, no odor, Y sample collected.
305	14:17	E: 293972.9125 N: 6131247.39	WQ Meter	23.8	6.89	1640	2.49		52126	56.35	Translucent, pale brown, no sheen, no odor, Y sample collected.
306	15:50	E: 294344.2352 N: 6130631.032	WQ Meter	29.6	8.11	148.0	2.19		63478	319.70	No sheen, no odor, Y sample collected.
307	13:50	E: 292325.5219 N: 6131083.405	WQ Meter	23.1	5.61	122.8	2.82		1963	80.8	No sheen, no odor, Y sample collected, DUP 01
308	14:45	E: 293716.568 N: 6130800.672	WQ Meter	27.9	5.36	163.1	2.58		1538	327.9	No sheen, no odor, Y sample collected, DUP 02

Sample bottle codes: P-plastic, G - glass, V - vial

Preservation Codes - U - unpreserved, S -sulfuric acid, N - nitric acid, H - hydrochloric acid

WATER SAMPLING FORM - Estuary Surface Water

martens consulting engineers since 1989

PROJECT INFORMATION

PROJECT NUMBER: 3365

CLIENT: Sealark Pty Ltd

SITE LOCATION: Culburra

MONTHLY / BIMONTHLY: Bimonthly (Event 1)

WET WEATHER (Y/N): N

DATE: 09 / 12 / 2022

SAMPLED BY: TR + WX

ROLE: sampler / engineer

SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
201		E: 291599.8406 N: 6132279.365	WQ Meter	20.4	7.81	191.2	2.40		25610	14.92	No sheen, no odor, DUP 03, Y sample collected
202		E: 292093.6809 N: 6132720.429	WQ Meter	20.2	7.85	185.8	2.48		36671	16.14	No sheen, no odor, Y sample collected
203		E: 292802.3981 N: 6133121.909	WQ Meter	20.0	7.73	169.8	2.44		25788	19.34	No sheen, no odor, Y sample collected
204		E: 293266.0802 N: 6132876.874	WQ Meter	19.6	7.86	192.5	2.55		25684	47.83	No sheen, no odor, DUP 04, Y sample collected
205		E: 293605.3597 N: 6133080.442	WQ Meter	19.6	7.89	189.9	2.48		27390	16.16	No sheen, no odor, Y sample collected
206		E: 293650.597 N: 6133344.326	WQ Meter	19.0	7.96	190.4	2.48		29174	14.96	No sheen, no odor, Y sample collected
207		E: 293920.1357 N: 6133182.226	WQ Meter	19.6	7.94	186.9	2.55		37549	17.86	No sheen, no odor, Y sample collected
208		E: 293893.7473 N: 6133355.635	WQ Meter	18.7	8.0	188.9	2.54		30314	15.55	No sheen, no odor, Y sample collected

Sample bottle codes: P-plastic, G - glass, V - vial

Preservation Codes - U - unpreserved, S -sulfuric acid, N - nitric acid, H - hydrochloric acid

WATER SAMPLING FORM - Estuary Surface Water

0

PROJECT INFORMATION

PROJECT NUMBER: 3365

CLIENT: Sealark Pty Ltd

SITE LOCATION: Culburra

MONTHLY / BIMONTHLY: Bimonthly (Event 1)

WET WEATHER (Y/N): N

DATE: 09 / 12 / 2022

SAMPLED BY: TR + WX

ROLE: sampler / engineer

SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
209		E: 294229.2571 N: 6133216.154	WQ Meter	16.8	7.34	249.8	3.18		366.1	218.89	No sheen, no odor, Y sample collected
210		E: 294591.1553 N: 6132850.486	WQ Meter	19.7	7.76	186.7	2.49		25771	27.25	No sheen, no odor, Y sample collected
211		E: 294994.521 N: 6132922.111	WQ Meter	19.7	7.77	128.1	2.63		26430	27.83	No sheen, no odor, Y sample collected
212		E: 294583.6157 N: 6133133.219	WQ Meter	19.1	7.87	180.3	2.58		24420	25.30	No sheen, no odor, Y sample collected
213		E: 294847.4998 N: 6133472.498	WQ Meter	19.6	7.94	73.2	2.54		27000	18.98	No sheen, no odor, Y sample collected
214		E: 294994.521 N: 6133970.108	WQ Meter	18.6	7.81	7.9	2.58		28320	32.1	No sheen, no odor, Y sample collected
215	8:10	E: 293950.2939 N: 6133668.526	WQ Meter	18.7	7.97	167.6	2.52		1600	16.90	No sheen, no odor, Y sample collected
216		E: 293079.4764 N: 6134471.488	WQ Meter	18.2	8.09	203.6	2.47		31630	11.50	No sheen, no odor, Y sample collected
217		E: 293520.5398 N: 6134963.443	WQ Meter	18.5	8.11	202.3	2.41		42540	12.46	No sheen, no odor, Y sample collected

Sample bottle codes: P-plastic, G - glass, V - vial

Preservation Codes - U - unpreserved, S -sulfuric acid, N - nitric acid, H - hydrochloric acid

WQ calibration certificate Event 1

Multi Parameter Water Meter

Instrument YSI Pro DSS
Serial No. 21K101477

Air-Met Scientific Pty Ltd
1300 137 067

Item	Test	Pass	Comments
Battery	Charge Condition	✓	
	Fuses	✓	
	Capacity	✓	
	Recharge OK?	✓	
Switch/keypad	Operation	✓	
Display	Intensity	✓	
	Operation (segments)	✓	
Grill Filter	Condition	✓	
	Seal	✓	
PCB	Condition	✓	
Connectors	Condition	✓	
Sensor	1. pH/ORP	✓	
	2. Turbidity	✓	
	3. Conductivity	✓	
	4. D.O	✓	
	5. Temp	✓	
	6. Depth	✓	
Alarms	Beeper		
	Settings		
Software	Version		
Data logger	Operation		
Download	Operation		
Other tests:			

Certificate of Calibration

This is to certify that the above instrument has been calibrated to the following specifications:

Sensor	Serial no	Standard Solutions	Certified	Solution Bottle Number	Instrument Reading
1. pH 7.00		pH 7.00		386467	pH 6.99
2. pH 4.00		pH 4.00		389384	pH 3.90
3. mV		237.14mV		393734/393728	237.4mV
4. EC		2.76ms		385789	2.760ms
6. D.O		0.0%		12110	-0.2%
7. Temp		21.5^{o}C		Instrument Temp	21.7^{o}C
8.Tubidity		100NTU		395515	100.16NTU

Calibrated by: **Adam Nikolic**

Calibration date: **1/12/2022**

Next calibration due: **3/06/2023**

Appendix E – Event 2 Data

Table 19: Estuary surface water - laboratory data event 2

		TRH					Biological			Halogenated Benzenes	Inorganics				Metals								
		C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)	Aluminium	Arsenic	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
		µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL		10	50	100	100	50	1	1	0.001	0.2	0.1	0.05	0.005	5	0.01	0.001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Date**																						
SW205	**01 Jan 2023**	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.2	<0.05	0.01	14	0.15	0.002	0.002	<0.001	0.2	<0.001	<0.00005	<0.001	0.007
SW207	**01 Jan 2023**	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.2	0.05	0.006	12	0.17	0.001	0.001	<0.001	0.22	<0.001	<0.00005	<0.001	0.01
SW210	**01 Jan 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	1.9	<0.05	0.007	43	0.09	0.001	<0.001	<0.001	0.14	<0.001	<0.00005	<0.001	0.002
SW211	**01 Jan 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	12	0.18	0.002	0.001	<0.001	0.25	<0.001	<0.00005	<0.001	0.002
Statistics																							
Number of Results		**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**4**	**1**	**4**	**4**	**4**	**4**	**3**	**0**	**4**	**0**	**0**	**0**	**4**
Minimum Concentration		**<10**	**<50**	**<100**	**<100**	**<50**	**<10**	**<10**	**<0.001**	**<0.2**	**0.1**	**0.05**	**0.006**	**12**	**0.09**	**0.001**	**0.001**	**<0.001**	**0.14**	**<0.001**	**<0.00005**	**<0.001**	**0.002**
Maximum Concentration		**<10**	**<50**	**<100**	**<100**	**<50**	**<10**	**<10**	**0.002**	**<0.2**	**1.9**	**0.05**	**0.01**	**43**	**0.18**	**0.002**	**0.002**	**<0.001**	**0.25**	**<0.001**	**<0.00005**	**<0.001**	**0.01**
Average Concentration *		**10**	**50**	**100**	**100**	**50**	**10**	**10**	**0.0015**	**0.2**	**0.6**	**0.05**	**0.0082**	**20**	**0.15**	**0.0015**	**0.0012**	**0.001**	**0.2**	**0.001**	**0.00005**	**0.001**	**0.0053**
Median Concentration *		**10**	**50**	**100**	**100**	**50**	**10**	**10**	**0.0015**	**0.2**	**0.2**	**0.05**	**0.0085**	**13**	**0.16**	**0.0015**	**0.001**	**0.001**	**0.21**	**0.001**	**0.00005**	**0.001**	**0.0045**

* A Non Detect Multiplier of 1 has been applied.

		Organochlorine Pesticides																		
		4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Date**																			
SW205	**01 Jan 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**01 Jan 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**01 Jan 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**01 Jan 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Statistics																				
Number of Results		**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Maximum Concentration		**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Average Concentration *		**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**
Median Concentration *		**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

* A Non Detect Multiplier of 1 has been applied.

		PAH																
		Benzo(b+j+k)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
		mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL		0.002	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.005	0.001
Location Code	**Date**																	
SW205	**01 Jan 2023**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.001
SW207	**01 Jan 2023**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.001
SW210	**01 Jan 2023**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.001
SW211	**01 Jan 2023**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.001
Statistics																		
Number of Results		**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4**
Minimum Concentration		**<0.002**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<0.005**	**<0.001**
Maximum Concentration		**<0.002**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<0.005**	**<0.001**
Average Concentration *		**0.002**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**0.005**	**0.001**
Median Concentration *		**0.002**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**0.005**	**0.001**

* A Non Detect Multiplier of 1 has been applied.

		PCBs							TPH				
		Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Date**												
SW205	**01 Jan 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	**01 Jan 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	**01 Jan 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	**01 Jan 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
Statistics													
Number of Results		**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Maximum Concentration		**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Average Concentration *		**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**100**	**100**	**50**
Median Concentration *		**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**100**	**100**	**50**

* A Non Detect Multiplier of 1 has been applied.

Table 20: Estuary surface water – water quality data event 2

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	EC (uS/cm)
205	22.8	8.02	55.8	6.87	42956
207	22.9	7.98	78.2	5.89	33289
210	23.3	7.95	70.9	6.70	31622
211	23.3	7.80	72.6	5.38	42621

Table 21: Estuary surface water – water quality data event 2 statistical summary

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	EC (uS/cm)
min	22.8	7.80	55.8	5.38	31622
max	23.3	8.02	78.2	6.87	42956
mean	23.1	7.94	69.4	6.21	37622
median	23.1	7.97	71.8	6.30	37955
range	0.5	0.22	22.4	1.49	11334

Appendix F – Event 2 Documents

Lab Report Event 2

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

CERTIFICATE OF ANALYSIS 314392

Client Details

Client	Martens & Associates Pty Ltd
Attention	William Xu
Address	Suite 201, 20 George St, Hornsby, NSW, 2077

Sample Details

Your Reference	**P1203365 - Water Sampling, West Culburra, NSW**
Number of Samples	14 Water
Date samples received	13/01/2023
Date completed instructions received	13/01/2023

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	20/01/2023
Date of Issue	30/01/2023

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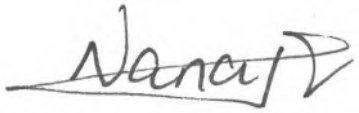
Accredited for compliance with ISO/IEC 17025 - Testing. **Tests not covered by NATA are denoted with ***

Results Approved By
Diego Bigolin, Inorganics Supervisor
Josh Williams, Organics and LC Supervisor
Loren Bardwell, Development Chemist
Nancy Zhang, Laboratory Manager, Sydney

Authorised By



Nancy Zhang, Laboratory Manager

vTRH in Water (C6-C9) NEPM						
Our Reference		314392-7	314392-8	314392-9	314392-10	314392-11
Your Reference	UNITS	3365/SW101	3365/SW205	3365/SW207	3365/SW210	3365/SW211
Date Sampled		09-12/01/2023	09-12/01/2023	09-12/01/2023	09-12/01/2023	09-12/01/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	16/01/2023	16/01/2023	16/01/2023	16/01/2023	16/01/2023
Date analysed	-	17/01/2023	17/01/2023	17/01/2023	17/01/2023	17/01/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	117	119	117	115	119
Surrogate toluene-d8	%	97	96	98	98	97
Surrogate 4-BFB	%	96	93	93	96	93

svTRH (C10-C40) in Water						
Our Reference		314392-7	314392-8	314392-9	314392-10	314392-11
Your Reference	UNITS	3365/SW101	3365/SW205	3365/SW207	3365/SW210	3365/SW211
Date Sampled		09-12/01/2023	09-12/01/2023	09-12/01/2023	09-12/01/2023	09-12/01/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	18/01/2023	18/01/2023	18/01/2023	18/01/2023	18/01/2023
Date analysed	-	18/01/2023	18/01/2023	18/01/2023	18/01/2023	18/01/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	140	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	140	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	200	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	200	<50	<50	<50	<50
Surrogate o-Terphenyl	%	71	66	81	69	62

PAHs in Water						
Our Reference		314392-7	314392-8	314392-9	314392-10	314392-11
Your Reference	UNITS	3365/SW101	3365/SW205	3365/SW207	3365/SW210	3365/SW211
Date Sampled		09-12/01/2023	09-12/01/2023	09-12/01/2023	09-12/01/2023	09-12/01/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	18/01/2023	18/01/2023	18/01/2023	18/01/2023	18/01/2023
Date analysed	-	19/01/2023	19/01/2023	19/01/2023	19/01/2023	19/01/2023
Naphthalene	µg/L	<1	<1	<1	<1	<1
Acenaphthylene	µg/L	<1	<1	<1	<1	<1
Acenaphthene	µg/L	<1	<1	<1	<1	<1
Fluorene	µg/L	<1	<1	<1	<1	<1
Phenanthrene	µg/L	<1	<1	<1	<1	<1
Anthracene	µg/L	<1	<1	<1	<1	<1
Fluoranthene	µg/L	<1	<1	<1	<1	<1
Pyrene	µg/L	<1	<1	<1	<1	<1
Benzo(a)anthracene	µg/L	<1	<1	<1	<1	<1
Chrysene	µg/L	<1	<1	<1	<1	<1
Benzo(b,j+k)fluoranthene	µg/L	<2	<2	<2	<2	<2
Benzo(a)pyrene	µg/L	<1	<1	<1	<1	<1
Indeno(1,2,3-c,d)pyrene	µg/L	<1	<1	<1	<1	<1
Dibenzo(a,h)anthracene	µg/L	<1	<1	<1	<1	<1
Benzo(g,h,i)perylene	µg/L	<1	<1	<1	<1	<1
Benzo(a)pyrene TEQ	µg/L	<5	<5	<5	<5	<5
Total +ve PAH's	µg/L	NIL (+)VE	NIL (+)VE	NIL (+)VE	NIL (+)VE	NIL (+)VE
Surrogate p-Terphenyl-d14	%	71	72	88	86	80

Organochlorine Pesticides in Water						
Our Reference		314392-7	314392-8	314392-9	314392-10	314392-11
Your Reference	UNITS	3365/SW101	3365/SW205	3365/SW207	3365/SW210	3365/SW211
Date Sampled		09-12/01/2023	09-12/01/2023	09-12/01/2023	09-12/01/2023	09-12/01/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	18/01/2023	18/01/2023	18/01/2023	18/01/2023	18/01/2023
Date analysed	-	19/01/2023	19/01/2023	19/01/2023	19/01/2023	19/01/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	76	77	94	87	83

PCBs in Water						
Our Reference		314392-7	314392-8	314392-9	314392-10	314392-11
Your Reference	UNITS	3365/SW101	3365/SW205	3365/SW207	3365/SW210	3365/SW211
Date Sampled		09-12/01/2023	09-12/01/2023	09-12/01/2023	09-12/01/2023	09-12/01/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	18/01/2023	18/01/2023	18/01/2023	18/01/2023	18/01/2023
Date analysed	-	19/01/2023	19/01/2023	19/01/2023	19/01/2023	19/01/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	76	77	94	87	83

All metals in water - total						
Our Reference		314392-7	314392-8	314392-9	314392-10	314392-11
Your Reference	UNITS	3365/SW101	3365/SW205	3365/SW207	3365/SW210	3365/SW211
Date Sampled		09-12/01/2023	09-12/01/2023	09-12/01/2023	09-12/01/2023	09-12/01/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	16/01/2023	16/01/2023	16/01/2023	16/01/2023	16/01/2023
Date analysed	-	16/01/2023	16/01/2023	16/01/2023	16/01/2023	16/01/2023
Aluminium-Total	µg/L	890	150	170	90	180
Arsenic-Total	µg/L	4	2	1	1	2
Chromium-Total	µg/L	3	2	1	<1	1
Copper-Total	µg/L	7	<1	<1	<1	<1
Iron-Total	µg/L	8,200	200	220	140	250
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	2	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	8	7	10	2	2

All metals in water - total			
Our Reference		314392-13	314392-14
Your Reference	UNITS	3365/DUP02	3365/DUP03
Date Sampled		09-12/01/2023	09-12/01/2023
Type of sample		Water	Water
Date prepared	-	16/01/2023	16/01/2023
Date analysed	-	16/01/2023	16/01/2023
Aluminium-Total	µg/L	910	120
Arsenic-Total	µg/L	4	1
Chromium-Total	µg/L	4	<1
Copper-Total	µg/L	6	<1
Iron-Total	µg/L	8,200	170
Mercury-Total	µg/L	<0.05	<0.05
Lead-Total	µg/L	2	<1
Selenium-Total	µg/L	<1	<1
Zinc-Total	µg/L	7	3

Metals in Waters - Acid extractable						
Our Reference		314392-1	314392-2	314392-3	314392-4	314392-5
Your Reference	UNITS	3365/GW201	3365/GW202	3365/GW203	3365/GW204	3365/GW206
Date Sampled		09-12/01/2023	09-12/01/2023	09-12/01/2023	09-12/01/2023	09-12/01/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	16/01/2023	16/01/2023	16/01/2023	16/01/2023	16/01/2023
Date analysed	-	16/01/2023	16/01/2023	16/01/2023	16/01/2023	16/01/2023
Phosphorus - Total	mg/L	0.1	0.5	1.4	4.2	<0.05

Metals in Waters - Acid extractable						
Our Reference		314392-6	314392-7	314392-8	314392-9	314392-10
Your Reference	UNITS	3365/GW207	3365/SW101	3365/SW205	3365/SW207	3365/SW210
Date Sampled		09-12/01/2023	09-12/01/2023	09-12/01/2023	09-12/01/2023	09-12/01/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	16/01/2023	16/01/2023	16/01/2023	16/01/2023	16/01/2023
Date analysed	-	16/01/2023	16/01/2023	16/01/2023	16/01/2023	16/01/2023
Phosphorus - Total	mg/L	<0.05	1.7	<0.05	0.05	<0.05

Metals in Waters - Acid extractable		
Our Reference		314392-11
Your Reference	UNITS	3365/SW211
Date Sampled		09-12/01/2023
Type of sample		Water
Date prepared	-	16/01/2023
Date analysed	-	16/01/2023
Phosphorus - Total	mg/L	<0.05

Miscellaneous Inorganics						
Our Reference		314392-1	314392-2	314392-3	314392-4	314392-5
Your Reference	UNITS	3365/GW201	3365/GW202	3365/GW203	3365/GW204	3365/GW206
Date Sampled		09-12/01/2023	09-12/01/2023	09-12/01/2023	09-12/01/2023	09-12/01/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	13/01/2023	13/01/2023	13/01/2023	13/01/2023	13/01/2023
Date analysed	-	13/01/2023	13/01/2023	13/01/2023	13/01/2023	13/01/2023
Total Nitrogen in water	mg/L	<0.1	6.4	<0.1	<0.1	<0.1
Phosphate as P in water	mg/L	<0.005	0.11	0.007	0.007	0.01

Miscellaneous Inorganics						
Our Reference		314392-6	314392-7	314392-8	314392-9	314392-10
Your Reference	UNITS	3365/GW207	3365/SW101	3365/SW205	3365/SW207	3365/SW210
Date Sampled		09-12/01/2023	09-12/01/2023	09-12/01/2023	09-12/01/2023	09-12/01/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	13/01/2023	13/01/2023	13/01/2023	13/01/2023	13/01/2023
Date analysed	-	13/01/2023	13/01/2023	13/01/2023	13/01/2023	13/01/2023
Total Suspended Solids	mg/L	[NA]	8	14	12	43
Chlorophyll a	mg/m^3	[NA]	2	2	2	<1
Total Nitrogen in water	mg/L	0.4	24	0.2	0.2	1.9
Phosphate as P in water	mg/L	<0.005	1.3	0.01	0.006	0.007

Miscellaneous Inorganics			
Our Reference		314392-11	314392-12
Your Reference	UNITS	3365/SW211	3365/DUP01
Date Sampled		09-12/01/2023	09-12/01/2023
Type of sample		Water	Water
Date prepared	-	13/01/2023	13/01/2023
Date analysed	-	13/01/2023	13/01/2023
pH	pH Units	[NA]	5.5
Electrical Conductivity	µS/cm	[NA]	3,800
Total Suspended Solids	mg/L	12	[NA]
Chlorophyll a	mg/m^3	<1	[NA]
Total Nitrogen in water	mg/L	0.1	[NA]
Phosphate as P in water	mg/L	0.01	[NA]

Microbiologocal Testing						
Our Reference		314392-1	314392-2	314392-3	314392-4	314392-5
Your Reference	UNITS	3365/GW201	3365/GW202	3365/GW203	3365/GW204	3365/GW206
Date Sampled		09-12/01/2023	09-12/01/2023	09-12/01/2023	09-12/01/2023	09-12/01/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	14/01/2023	14/01/2023	14/01/2023	14/01/2023	14/01/2023
Faecal Coliforms	cfu/100mL	<10	<1,000	<1,000	<1,000 NBO	<1,000

Microbiologocal Testing						
Our Reference		314392-6	314392-7	314392-8	314392-9	314392-10
Your Reference	UNITS	3365/GW207	3365/SW101	3365/SW205	3365/SW207	3365/SW210
Date Sampled		09-12/01/2023	09-12/01/2023	09-12/01/2023	09-12/01/2023	09-12/01/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	14/01/2023	14/01/2023	14/01/2023	14/01/2023	14/01/2023
E. coli	cfu/100mL	[NA]	<1,000 NBO	<10	<10	<10
Faecal Coliforms	cfu/100mL	<10	<1,000 NBO	<10	<10	<10

Microbiologocal Testing		
Our Reference		314392-11
Your Reference	UNITS	3365/SW211
Date Sampled		09-12/01/2023
Type of sample		Water
Date of testing	-	14/01/2023
E. coli	cfu/100mL	<10
Faecal Coliforms	cfu/100mL	<10

Method ID	Methodology Summary
Ext-008	Subcontracted to Sonic Food & Water Testing. NATA Accreditation No. 4034.
Inorg-001	pH - Measured using pH meter and electrode in accordance with APHA latest edition, 4500-H+. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.
Inorg-002	Conductivity and Salinity - measured using a conductivity cell at 25°C in accordance with APHA latest edition 2510 and Rayment & Lyons.
Inorg-019	Suspended Solids - determined gravimetricially by filtration of the sample. The samples are dried at 104+/-5°C.
Inorg-055/062/127	Total Nitrogen - Calculation sum of TKN and oxidised Nitrogen. Alternatively analysed by combustion and chemiluminescence.
Inorg-060	Phosphate determined colourimetrically based on EPA365.1 and APHA latest edition 4500 P E. Waters samples are filtered on receipt prior to analysis. Soils are analysed following a water extraction.
INORG-119	Chlorophyll A based on APHA 10200 H latest edition.
Metals-020	Determination of various metals by ICP-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Metals-022	Determination of various metals by ICP-MS.
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-021	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W4	[NT]
Date extracted	-			16/01/2023	8	16/01/2023	18/01/2023		16/01/2023	[NT]
Date analysed	-			17/01/2023	8	17/01/2023	19/01/2023		17/01/2023	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	<10	8	<10	<10	0	108	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	<10	8	<10	<10	0	108	[NT]
Surrogate Dibromofluoromethane	%		Org-023	116	8	119	109	9	108	[NT]
Surrogate toluene-d8	%		Org-023	99	8	96	101	5	97	[NT]
Surrogate 4-BFB	%		Org-023	96	8	93	103	10	108	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	[NT]
Date extracted	-			18/01/2023	[NT]	[NT]	[NT]	[NT]	18/01/2023	[NT]
Date analysed	-			18/01/2023	[NT]	[NT]	[NT]	[NT]	18/01/2023	[NT]
TRH C_{10} - C_{14}	µg/L	50	Org-020	<50	[NT]	[NT]	[NT]	[NT]	93	[NT]
TRH C_{15} - C_{28}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	106	[NT]
TRH C_{29} - C_{36}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	86	[NT]
TRH >C_{10} - C_{16}	µg/L	50	Org-020	<50	[NT]	[NT]	[NT]	[NT]	93	[NT]
TRH >C_{16} - C_{34}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	106	[NT]
TRH >C_{34} - C_{40}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	86	[NT]
Surrogate o-Terphenyl	%		Org-020	79	[NT]	[NT]	[NT]	[NT]	78	[NT]

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W7	[NT]
Date extracted	-			18/01/2023	[NT]	[NT]	[NT]	[NT]	18/01/2023	[NT]
Date analysed	-			19/01/2023	[NT]	[NT]	[NT]	[NT]	19/01/2023	[NT]
Naphthalene	µg/L	1	Org-022/025	<1	[NT]	[NT]	[NT]	[NT]	99	[NT]
Acenaphthylene	µg/L	1	Org-022/025	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Acenaphthene	µg/L	1	Org-022/025	<1	[NT]	[NT]	[NT]	[NT]	99	[NT]
Fluorene	µg/L	1	Org-022/025	<1	[NT]	[NT]	[NT]	[NT]	97	[NT]
Phenanthrene	µg/L	1	Org-022/025	<1	[NT]	[NT]	[NT]	[NT]	104	[NT]
Anthracene	µg/L	1	Org-022/025	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluoranthene	µg/L	1	Org-022/025	<1	[NT]	[NT]	[NT]	[NT]	102	[NT]
Pyrene	µg/L	1	Org-022/025	<1	[NT]	[NT]	[NT]	[NT]	101	[NT]
Benzo(a)anthracene	µg/L	1	Org-022/025	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chrysene	µg/L	1	Org-022/025	<1	[NT]	[NT]	[NT]	[NT]	83	[NT]
Benzo(b,j+k)fluoranthene	µg/L	2	Org-022/025	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(a)pyrene	µg/L	1	Org-022/025	<1	[NT]	[NT]	[NT]	[NT]	94	[NT]
Indeno(1,2,3-c,d)pyrene	µg/L	1	Org-022/025	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	1	Org-022/025	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	1	Org-022/025	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	93	[NT]	[NT]	[NT]	[NT]	90	[NT]

QUALITY CONTROL: Organochlorine Pesticides in Water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W7	[NT]
Date extracted	-			18/01/2023	[NT]	[NT]	[NT]	[NT]	18/01/2023	[NT]
Date analysed	-			19/01/2023	[NT]	[NT]	[NT]	[NT]	19/01/2023	[NT]
alpha-BHC	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	98	[NT]
HCB	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	128	[NT]
gamma-BHC	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	95	[NT]
delta-BHC	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	93	[NT]
Heptachlor Epoxide	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	92	[NT]
gamma-Chlordane	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	107	[NT]
Dieldrin	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	96	[NT]
Endrin	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	78	[NT]
Endosulfan II	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	96	[NT]
Endrin Aldehyde	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	86	[NT]
Methoxychlor	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	98	[NT]	[NT]	[NT]	[NT]	96	[NT]

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W7	[NT]
Date extracted	-			18/01/2023	[NT]	[NT]	[NT]	[NT]	18/01/2023	[NT]
Date analysed	-			19/01/2023	[NT]	[NT]	[NT]	[NT]	19/01/2023	[NT]
Aroclor 1016	µg/L	2	Org-021	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	<2	[NT]	[NT]	[NT]	[NT]	64	[NT]
Aroclor 1260	µg/L	2	Org-021	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate TCMX	%		Org-021	98	[NT]	[NT]	[NT]	[NT]	96	[NT]

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	314392-8
Date prepared	-			16/01/2023	7	16/01/2023	16/01/2023		16/01/2023	16/01/2023
Date analysed	-			16/01/2023	7	16/01/2023	16/01/2023		16/01/2023	16/01/2023
Aluminium-Total	µg/L	10	Metals-022	<10	7	890	[NT]		104	[NT]
Arsenic-Total	µg/L	1	Metals-022	<1	7	4	[NT]		91	[NT]
Chromium-Total	µg/L	1	Metals-022	<1	7	3	[NT]		92	[NT]
Copper-Total	µg/L	1	Metals-022	<1	7	7	[NT]		88	[NT]
Iron-Total	µg/L	10	Metals-022	<10	7	8200	[NT]		95	[NT]
Mercury-Total	µg/L	0.05	Metals-021	<0.05	7	<0.05	<0.05	0	88	82
Lead-Total	µg/L	1	Metals-022	<1	7	2	[NT]		94	[NT]
Selenium-Total	µg/L	1	Metals-022	<1	7	<1	[NT]		97	[NT]
Zinc-Total	µg/L	1	Metals-022	<1	7	8	[NT]		91	[NT]

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	8	16/01/2023	16/01/2023		[NT]	[NT]
Date analysed	-			[NT]	8	16/01/2023	16/01/2023		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	8	150	150	0	[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	8	2	2	0	[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	8	2	1	67	[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	8	<1	<1	0	[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	8	200	190	5	[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	8	<0.05	[NT]		[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	8	<1	<1	0	[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	8	<1	<1	0	[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	8	7	6	15	[NT]	[NT]

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date prepared	-			16/01/2023	8	16/01/2023	16/01/2023		16/01/2023	[NT]
Date analysed	-			16/01/2023	8	16/01/2023	16/01/2023		16/01/2023	[NT]
Phosphorus - Total	mg/L	0.05	Metals-020	<0.05	8	<0.05	<0.05	0	102	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	314392-2
Date prepared	-			13/01/2023	1	13/01/2023	13/01/2023		13/01/2023	13/01/2023
Date analysed	-			13/01/2023	1	13/01/2023	13/01/2023		13/01/2023	13/01/2023
pH	pH Units		Inorg-001	[NT]	[NT]	[NT]	[NT]	[NT]	98	[NT]
Electrical Conductivity	µS/cm	1	Inorg-002	<1	[NT]	[NT]	[NT]	[NT]	103	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	<5	7	8	[NT]		94	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	<1	7	2	[NT]		95	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	<0.1	1	<0.1	<0.1	0	100	126
Phosphate as P in water	mg/L	0.005	Inorg-060	<0.005	1	<0.005	<0.005	0	91	94

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	7	13/01/2023	13/01/2023		[NT]	[NT]
Date analysed	-			[NT]	7	13/01/2023	13/01/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	7	24	21	13	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	7	1.3	[NT]		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	10	43	52	19	[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	10	<1	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	10	13/01/2023	13/01/2023		[NT]	[NT]
Date analysed	-			[NT]	10	13/01/2023	13/01/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	10	1.9	[NT]		[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	10	0.007	[NT]		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	11	12	[NT]		[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	11	<1	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	11	13/01/2023	13/01/2023		[NT]	[NT]
Date analysed	-			[NT]	11	13/01/2023	13/01/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	11	0.1	[NT]		[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	11	0.01	0.01	0	[NT]	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

The recommended maximums for analytes in urine are taken from “2018 TLVs and BEIs”, as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016.

Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Where matrix spike recoveries fall below the lower limit of the acceptance criteria (e.g. for non-labile or standard Organics <60%), positive result(s) in the parent sample will subsequently have a higher than typical estimated uncertainty (MU estimates supplied on request) and in these circumstances the sample result is likely biased significantly low.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Report Comments

Holding time exceedance for Micro testing.

Thermotolerant Colilform (Samples 1-6) analysed by Sonic Food & Water Testing. Report No. W2300981

Thermotolerant Coliform (Samples 7-11) & E.Coli analysed by Sonic Food & Water Testing. Report No. W2300982

NBO: The presence of competing background organisms in the sample may have reduced the count.

Lab Document Event 2

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

SAMPLE RECEIPT ADVICE

Client Details

Client	Martens & Associates Pty Ltd
Attention	William Xu

Sample Login Details

Your reference	P1203365 - Water Sampling, West Culburra, NSW
Envirolab Reference	314392
Date Sample Received	13/01/2023
Date Instructions Received	13/01/2023
Date Results Expected to be Reported	20/01/2023

Sample Condition

Samples received in appropriate condition for analysis	Holding time exceedance
No. of Samples Provided	14 Water
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	6
Cooling Method	Ice
Sampling Date Provided	YES

Comments

Holding time exceedance:
pH for sample taken on/before 11/01

Please contact the laboratory within 24 hours if you wish to cancel the aformentioned testing. Otherwise testing will proceed as per the COC and hence invoiced accordingly.

Please direct any queries to:

Aileen Hie	Jacinta Hurst
Phone: 02 9910 6200	**Phone: 02 9910 6200**
Fax: 02 9910 6201	**Fax: 02 9910 6201**
Email: ahie@envirolab.com.au	**Email: jhurst@envirolab.com.au**

Analysis Underway, details on the following page:

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

Sample ID	vTRH in Water (C6-C9) NEPM	svTRH (C10-C40) in Water	PAHsin Water	Organochlorine Pesticides in Water	PCBs in Water	All metals in water - total	Metals in Waters -Acid extractable	pH	Electrical Conductivity	Total Suspended Solids	Chlorophyll a	Total Nitrogen in water	Phosphate as P in water	Microbiologocal Testing
3365/GW201							✓					✓	✓	✓
3365/GW202							✓					✓	✓	✓
3365/GW203							✓					✓	✓	✓
3365/GW204							✓					✓	✓	✓
3365/GW206							✓					✓	✓	✓
3365/GW207							✓					✓	✓	✓
3365/SW101	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW205	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW207	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW210	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/SW211	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
3365/DUP01								✓	✓					
3365/DUP02						✓								
3365/DUP03						✓								

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.
Requests for longer term sample storage must be received in writing.
Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.
TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

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consulting engineers since 1989

SAMPLE ANALYSIS CHAIN OF CUSTODY FORM

WEST CULBURRA – ENVIROLAB QUOTATION – 22SY375_B0												
Name	P1203365 – Water Sampling, West Culburra, NSW											
Martens Contact Officer	William Xu					**Contact Email**	wxu@martens.com.au					
Sampling and Shipping	**Sample Date**	09 to 12.01.2023		**Dispatch Date**	12.01.2023	**Turnaround Time**			Standard			
	Our Reference	P1203365COC23V01				**Shipping Method (X)**	**Hand**	X	**Post**		**Courier**	
	On Ice (X)	X	**No Ice (X)**		**Other (X)**							
Laboratory												
Name	Envirolab Services P/L											
Sample Delivery Address	12 Ashley St, Chatswood											
Delivery Contact	**Name**	Sample Receipt	**Phone**	02 9910 6200	**Fax**		**Email**	samplereceipt@envirolabservices.com.au				
Please Send Report By (X)	**Post**		**Fax**		**Email**	X	**Reporting Email Address**	wxu@martens.com.au and CC ANorris@martens.com.au				

	Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN. TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
1	3365/GW201						X	
2	3365/GW202						X	
3	3365/GW203						X	
4	3365/GW204						X	
5	3365/GW206						X	
6	3365/GW207						X	
7	3365/SW101	X	X	X	X			
8	3365/SW205	X	X	X	X			
9	3365/SW207	X	X	X	X			

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200

Job No: 314392
Date Received: 12/1/23
Time Received: 1730
Received by: YU
Temp: Cool/Ambient
Cooling: Ice/Ice pack

Head Office
Suite 201, 20 George Street
Hornsby NSW 2077, Australia
Ph 02 9476 9999 **Fax** 02 9476 8767

> mail@martens.com.au
> www.martens.com.au
MARTENS & ASSOCIATES P/L
ABN 85 070 240 890 ACN 070 240 890

SOIL ANALYSIS CHAIN OF CUSTODY

	Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN, TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
10	3365/SW210	X	X	X	X			
11	3365/SW211	X	X	X	X			
12	3365/DUP01					X		
13	3365/DUP02	X						
14	3365/DUP03	X						

3143920 13/1/23

Field Sheet Event 2

WATER SAMPLING FORM - Estuary Surface Water

martens consulting engineers since 1989

PROJECT INFORMATION

PROJECT NUMBER: 3365 | MONTHLY / BIMONTHLY: Monthly (Event 2) | SAMPLED BY: TR + WX

CLIENT: Sealark Pty Ltd | WET WEATHER (Y/N): N | ROLE: sampler / engineer

SITE LOCATION: Culburra | DATE: 09 / 01 / 2023 | SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
205		E: 293605.3597 N: 6133080.442	WQ Meter	22.8	8.02	55.8	6.87		42956		Clean, no sheen, no odor, Y sample collected, DUP 03
207		E: 293920.1357 N: 6133182.226	WQ Meter	22.9	7.98	78.2	5.89		33289		No Sheen, no odor, Y sample collected.
210		E: 294591.1553 N: 6132850.486	WQ Meter	23.3	7.95	70.9	6.70		31622		No Sheen, no odor, Y sample collected.
211		E: 294994.521 N: 6132922.111	WQ Meter	23.3	7.80	72.6	5.38		42621		No Sheen, no odor, Y sample collected.

Sample bottle codes: P-plastic, G - glass, V - vial

Preservation Codes - U - unpreserved, S -sulfuric acid, N - nitric acid, H - hydrochloric acid

WQ calibration certificate Event 2

Multi Parameter Water Meter

Instrument YSI Quatro Pro Plus
Serial No. 12D100009

Air-Met Scientific Pty Ltd
1300 137 067

Item	Test	Pass	Comments
Battery	Charge Condition	✓	
	Fuses	✓	
	Capacity	✓	
Switch/keypad	Operation	✓	
Display	Intensity	✓	
	Operation (segments)	✓	
Grill Filter	Condition	✓	
	Seal	✓	
PCB	Condition	✓	
Connectors	Condition	✓	
Sensor	1. pH	✓	
	2. mV	✓	
	3. EC	✓	
	4. D.O	✓	
	5. Temp	✓	
Alarms	Beeper		
	Settings		
Software	Version		
Data logger	Operation		
Download	Operation		
Other tests:			

Certificate of Calibration

This is to certify that the above instrument has been calibrated to the following specifications:

Sensor	Serial no	Standard Solutions	Certified	Solution Bottle Number	Instrument Reading
1. D.O		0ppm		12110	0.04ppm
2. Conductivity		2.76mS		396172	2.77mS
3. pH7		pH 7.00		386467	pH 6.98
4. pH4		pH 4.00		399527	pH 3.96
5. ORP		232.7mV		393734/393728	233.2mV
6. Actual Temp		23.3°C		Instrument Temp	23.4°C

Calibrated by: **Sarah Lian**

Calibration date: **4-Jan-23**

Next calibration due: **3-Jul-23**

Appendix G – Event 3 Data

Table 22: Surface water - laboratory data event 3

		TRH					Biological			Halogenated Benzenes	Inorganics				Metals								
		C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)	Aluminium	Arsenic	Cadmium	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
		µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL		10	50	100	100	50	1	1	0.001	0.2	0.1	0.05	0.005	5	0.01	0.001	0.0001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Date**																							
SW301	**22 Feb 2023**	<10	<50	<100	<100	<50	13,000.0	13,000.0	<0.001	<0.2	0.6	<0.05	<0.005	6	1.5	<0.001	<0.0001	0.002	0.002	1.3	0.001	<0.00005	<0.001	0.003
SW301	**22 Feb 2023**	<10	<50	<100	<100	<50	2,200.0	2,200.0	0.002	<0.2	0.6	<0.05	<0.005	20	1	<0.001	<0.0001	0.002	0.003	0.96	0.001	<0.00005	<0.001	0.013
SW302	**22 Feb 2023**	<10	<50	<100	<100	<50	100	100	0.001	<0.2	0.6	<0.05	<0.005	130	3.6	0.001	<0.0001	0.004	0.004	4.5	0.005	<0.00005	<0.001	0.008
SW302	**22 Feb 2023**	<10	<50	<100	<100	<50	100	100	0.002	<0.2	0.6	<0.05	<0.005	100	3.3	0.001	<0.0001	0.004	0.003	4	0.004	<0.00005	<0.001	0.008
SW303	**20 Feb 2023**	<10	<50	<100	<100	<50	1,000 &>100	1,000 &>100	0.007	<0.2	1.2	<0.05	<0.005	97	0.4	0.001	<0.0001	0.001	0.001	2.2	<0.001	<0.00005	<0.001	0.005
SW303	**20 Feb 2023**	<10	<50	<100	<100	<50	1,000 &>100	1,000 &>100	0.002	<0.2	1.3	<0.05	<0.005	28	0.45	0.001	<0.0001	0.002	0.002	2.3	<0.001	<0.00005	<0.001	0.012
SW304	**22 Feb 2023**	<10	100	<100	<100	100	100 & >10	100 & >10	<0.001	<0.2	1	<0.05	<0.005	34	2.6	0.001	<0.0001	0.003	0.003	3.5	0.002	<0.00005	<0.001	0.009
SW304	**22 Feb 2023**	<10	110	<100	<100	110	300	300	<0.001	<0.2	0.8	<0.05	<0.005	19	2.8	0.001	<0.0001	0.003	0.004	4	0.002	<0.00005	<0.001	0.012
SW305	**20 Feb 2023**	<10	<50	<100	<100	<50	5,000 A	5,000 A	0.01	<0.2	0.8	<0.05	<0.005	18	0.49	0.001	<0.0001	0.002	0.002	1.3	<0.001	<0.00005	<0.001	0.008
SW305	**20 Feb 2023**	<10	<50	<100	<100	<50	1,000 &>100	1,000 &>100	0.007	<0.2	0.7	0.05	<0.005	20	0.37	0.001	<0.0001	0.001	0.001	1.2	<0.001	<0.00005	<0.001	0.007
SW306	**20 Feb 2023**	<10	<50	<100	<100	<50	<1,000.0	<1,000.0	0.008	<0.2	<0.1	<0.05	<0.005	34	0.26	0.002	<0.0001	0.001	<0.001	0.85	<0.001	<0.00005	<0.001	0.007
SW306	**20 Feb 2023**	<10	<50	<100	<100	<50	100 &>10	100 &>10	0.007	<0.2	0.6	0.05	<0.005	27	0.33	0.002	<0.0001	0.001	<0.001	0.87	<0.001	<0.00005	<0.001	0.002
SW307	**22 Feb 2023**	<10	610	<100	<100	610	<1,000.0	<1,000.0	0.003	<0.2	1.3	<0.05	<0.005	88	0.83	<0.001	<0.0001	0.002	0.005	1.6	0.002	<0.00005	<0.001	0.036
SW307	**22 Feb 2023**	<10	230	<100	<100	230	1,000 NBO	1,000 NBO	0.002	<0.2	0.9	<0.05	<0.005	120	0.6	<0.001	<0.0001	0.002	0.004	0.99	0.001	<0.00005	<0.001	0.025
SW308	**20 Feb 2023**	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.6	<0.05	<0.005	40	0.84	0.001	<0.0001	0.002	0.001	2.6	<0.001	<0.00005	<0.001	0.005
SW308	**20 Feb 2023**	<10	59	<100	<100	60	10^A	10^A	<0.001	<0.2	0.6	<0.05	<0.005	19	1.3	0.001	<0.0001	0.002	0.002	2.8	<0.001	<0.00005	<0.001	0.008
Statistics																								
Number of Results		**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**
Number of Detects		**0**	**5**	**0**	**0**	**5**	**5**	**5**	**12**	**0**	**15**	**2**	**0**	**16**	**16**	**12**	**0**	**16**	**14**	**16**	**8**	**0**	**0**	**16**
Minimum Concentration		**<10**	**<50**	**<100**	**<100**	**<50**	**<10**	**<10**	**0.001**	**<0.2**	**<0.1**	**0.05**	**<0.005**	**6**	**0.26**	**0.001**	**<0.0001**	**0.001**	**0.001**	**0.85**	**0.001**	**<0.00005**	**<0.001**	**0.002**
Maximum Concentration		**<10**	**610**	**<100**	**<100**	**610**	**13,000**	**13,000**	**0.01**	**<0.2**	**1.3**	**0.05**	**<0.005**	**130**	**3.6**	**0.002**	**<0.0001**	**0.004**	**0.005**	**4.5**	**0.005**	**<0.00005**	**<0.001**	**0.036**
Average Concentration *		**10**	**104**	**100**	**100**	**104**	**2,214**	**2,214**	**0.0036**	**0.2**	**0.77**	**0.05**	**0.005**	**50**	**1.3**	**0.0011**	**0.0001**	**0.0021**	**0.0024**	**2.2**	**0.0016**	**0.00005**	**0.001**	**0.01**
Median Concentration *		**10**	**50**	**100**	**100**	**50**	**650**	**650**	**0.002**	**0.2**	**0.65**	**0.05**	**0.005**	**31**	**0.835**	**0.001**	**0.0001**	**0.002**	**0.002**	**1.9**	**0.001**	**0.00005**	**0.001**	**0.008**

* A Non Detect Multiplier of 1 has been applied.

		Organochlorine Pesticides																		
		4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Date**																			
SW301	**22 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW301	**22 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW302	**22 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW302	**22 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW303	**20 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW303	**20 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW304	**22 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW304	**22 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**20 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**20 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**20 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**20 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW307	**22 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW307	**22 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW308	**20 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW308	**20 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Statistics																				
Number of Results		**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Maximum Concentration		**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Average Concentration *		**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**
Median Concentration *		**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

* A Non Detect Multiplier of 1 has been applied.

		PAH																
		Benzo(b+j+k)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
		mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL		0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0005	0.0001
Location Code	**Date**																	
SW301	**22 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW301	**22 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW302	**22 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW302	**22 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW303	**20 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW303	**20 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW304	**22 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW304	**22 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW305	**20 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW305	**20 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW306	**20 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW306	**20 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW307	**22 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW307	**22 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW308	**20 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW308	**20 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
Statistics																		
Number of Results		**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Maximum Concentration		**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Average Concentration *		**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.0005**	**0.0001**
Median Concentration *		**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.0005**	**0.0001**

* A Non Detect Multiplier of 1 has been applied.

		PCBs							TPH				
		Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Date**												
SW301	**22 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW301	**22 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW302	**22 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW302	**22 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW303	**20 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW303	**20 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW304	**22 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	130	<100	130
SW304	**22 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	120	<100	120
SW305	**20 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW305	**20 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW306	**20 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW306	**20 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW307	**22 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	680	<100	680
SW307	**22 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	290	<100	290
SW308	**20 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW308	**20 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	100	<100	100
Statistics													
Number of Results		**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**0**	**5**
Minimum Concentration		**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**100**	**<100**	**<50**
Maximum Concentration		**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**680**	**<100**	**680**
Average Concentration *		**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**151**	**100**	**117**
Median Concentration *		**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**100**	**100**	**50**

* A Non Detect Multiplier of 1 has been applied.

Table 23: Estuary surface water - laboratory data event 3

		TRH					Biological			Halogenated Benzenes	Inorganics				Metals								
		C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)	Aluminium	Arsenic	Cadmium	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
		µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL		10	50	100	100	50	1	1	0.001	0.2	0.1	0.05	0.005	5	0.01	0.001	0.0001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Date**																							
SW201	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	0.001	<0.2	0.3	0.05	0.02	8	0.08	0.002	<0.0001	<0.001	<0.001	0.21	<0.001	<0.00005	<0.001	0.002
SW201	**21 Feb 2023**	<10	<50	<100	<100	<50	<1,000.0	<1,000.0	0.002	<0.2	0.2	<0.05	0.02	6	0.11	0.002	<0.0001	<0.001	<0.001	0.24	<0.001	<0.00005	<0.001	0.002
SW202	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	<0.001	<0.2	0.2	<0.1	0.02	<5	0.07	0.001	<0.0001	<0.001	<0.001	0.17	<0.001	<0.00005	<0.001	<0.001
SW202	**21 Feb 2023**	<10	<50	<100	<100	<50	1,000 &>100	1,000 &>100	0.001	<0.2	0.2	<0.1	0.02	<5	0.08	0.002	<0.0001	<0.001	0.001	0.16	<0.001	<0.00005	<0.001	0.001
SW203	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	0.002	<0.2	0.2	<0.05	0.02	<5	0.11	0.002	<0.0001	<0.001	0.001	0.19	<0.001	<0.00005	<0.001	0.002
SW203	**21 Feb 2023**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.2	<0.05	0.01	6	0.08	0.002	<0.0001	<0.001	<0.001	0.19	<0.001	<0.00005	<0.001	0.001
SW204	**23 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	0.009	<0.2	0.2	0.2	0.009	140	1.8	0.004	<0.0001	0.002	0.002	2.8	0.001	<0.00005	<0.001	0.006
SW204	**23 Feb 2023**	<10	<50	<100	<100	<50	<10	<10	0.004	<0.2	0.2	0.07	0.01	22	0.29	0.002	<0.0001	0.001	<0.001	0.56	<0.001	<0.00005	<0.001	0.002
SW205	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	<0.001	<0.2	0.1	<0.05	0.01	<5	0.04	0.001	<0.0001	<0.001	<0.001	0.091	<0.001	<0.00005	<0.001	0.002
SW205	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	<0.001	<0.2	<0.1	<0.1	0.009	<5	0.04	0.001	<0.0001	<0.001	<0.001	0.084	<0.001	<0.00005	<0.001	<0.001
SW206	**21 Feb 2023**	<10	<50	<100	<100	<50	<1,000.0	<1,000.0	0.001	<0.2	0.1	<0.05	0.009	6	0.07	0.001	<0.0001	<0.001	<0.001	0.12	<0.001	<0.00005	<0.001	0.005
SW206	**21 Feb 2023**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.1	<0.1	0.007	5	0.08	0.002	<0.0001	<0.001	<0.001	0.13	<0.001	<0.00005	<0.001	<0.001
SW207	**21 Feb 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.009	6	0.1	0.002	<0.0001	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	<0.001
SW207	**21 Feb 2023**	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.1	<0.1	0.01	8	0.09	0.002	<0.0001	<0.001	<0.001	0.14	<0.001	<0.00005	<0.001	<0.001
SW208	**21 Feb 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.2	<0.05	0.009	7	0.08	0.001	<0.0001	<0.001	<0.001	0.15	<0.001	<0.00005	<0.001	0.001
SW208	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	0.001	<0.2	0.1	<0.05	0.008	8	0.08	0.002	<0.0001	<0.001	<0.001	0.14	<0.001	<0.00005	<0.001	<0.001
SW209	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	0.002	<0.2	0.1	<0.05	0.008	7	0.12	0.002	<0.0001	<0.001	<0.001	0.22	<0.001	<0.00005	<0.001	0.002
SW209	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	0.002	<0.2	0.2	<0.1	0.009	6	0.12	0.002	<0.0001	<0.001	<0.001	0.2	<0.001	<0.00005	<0.001	<0.001
SW210	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	<0.001	<0.2	0.2	<0.05	0.009	8	0.11	0.001	<0.0001	<0.001	<0.001	0.2	<0.001	<0.00005	<0.001	<0.001
SW210	**21 Feb 2023**	<10	<50	<100	<100	<50	<1,000.0	<1,000.0	<0.001	<0.2	0.1	<0.05	0.01	8	0.11	0.001	<0.0001	<0.001	<0.001	0.23	<0.001	<0.00005	<0.001	<0.001
SW211	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	0.002	<0.2	0.1	<0.05	0.01	5	0.1	0.001	<0.0001	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	<0.001
SW211	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	0.001	<0.2	0.2	<0.05	0.01	7	0.09	0.001	<0.0001	<0.001	<0.001	0.17	<0.001	<0.00005	<0.001	<0.001
SW212	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	0.001	<0.2	0.1	<0.05	0.008	7	0.09	0.002	<0.0001	<0.001	<0.001	0.19	<0.001	<0.00005	<0.001	<0.001
SW212	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	0.002	<0.2	0.1	<0.1	0.008	9	0.11	0.001	<0.0001	<0.001	<0.001	0.22	<0.001	<0.00005	<0.001	<0.001
SW213	**21 Feb 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	8	0.1	0.001	<0.0001	<0.001	<0.001	0.17	<0.001	<0.00005	<0.001	<0.001
SW213	**21 Feb 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.009	<5	0.1	0.001	<0.0001	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	<0.001
SW214	**21 Feb 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	13	0.09	0.001	<0.0001	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	<0.001
SW214	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	<0.001	<0.2	0.1	<0.05	0.01	<5	0.09	0.001	<0.0001	<0.001	<0.001	0.15	<0.001	<0.00005	<0.001	<0.001
SW215	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	0.002	<0.2	0.1	<0.1	0.009	14	0.05	0.001	<0.0001	<0.001	<0.001	0.075	<0.001	<0.00005	<0.001	<0.001
SW215	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	0.002	<0.2	<0.1	<0.1	0.007	6	0.06	0.001	<0.0001	<0.001	<0.001	0.12	<0.001	<0.00005	<0.001	<0.001
SW216	**21 Feb 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.006	5	0.04	0.002	<0.0001	<0.001	<0.001	0.07	<0.001	<0.00005	<0.001	<0.001
SW216	**21 Feb 2023**	<10	<50	<100	<100	<50	<1,000.0	<1,000.0	<0.001	<0.2	<0.1	<0.1	0.006	8	0.04	0.002	<0.0001	<0.001	<0.001	0.075	<0.001	<0.00005	<0.001	0.002
SW217	**21 Feb 2023**	<10	<50	<100	<100	<50	<1,000.0	<1,000.0	<0.001	<0.2	<0.1	<0.1	0.006	6	0.07	0.002	<0.0001	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	<0.001
SW217	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	0.001	<0.2	<0.1	<0.1	0.006	9	0.07	0.002	<0.0001	<0.001	<0.001	0.14	<0.001	<0.00005	<0.001	<0.001

Statistics

Number of Results		**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**20**	**0**	**29**	**3**	**34**	**27**	**34**	**34**	**0**	**2**	**3**	**34**	**1**	**0**	**0**	**12**
Minimum Concentration		**<10**	**<50**	**<100**	**<100**	**<50**	**<10**	**<10**	**0.001**	**<0.2**	**0.1**	**0.05**	**0.006**	**5**	**0.04**	**0.001**	**<0.0001**	**0.001**	**0.001**	**0.07**	**0.001**	**<0.00005**	**<0.001**	**0.001**
Maximum Concentration		**<10**	**<50**	**<100**	**<100**	**<50**	**<1,000**	**<1,000**	**0.009**	**<0.2**	**0.3**	**0.2**	**0.02**	**140**	**1.8**	**0.004**	**<0.0001**	**0.002**	**0.002**	**2.8**	**0.001**	**<0.00005**	**<0.001**	**0.006**
Average Concentration *		**10**	**50**	**100**	**100**	**50**	**209**	**209**	**0.0016**	**0.2**	**0.14**	**0.076**	**0.01**	**11**	**0.14**	**0.0016**	**0.0001**	**0.001**	**0.001**	**0.25**	**0.001**	**0.00005**	**0.001**	**0.0015**
Median Concentration *		**10**	**50**	**100**	**100**	**50**	**100**	**100**	**0.001**	**0.2**	**0.1**	**0.05**	**0.009**	**6.5**	**0.09**	**0.002**	**0.0001**	**0.001**	**0.001**	**0.16**	**0.001**	**0.00005**	**0.001**	**0.001**

* A Non Detect Multiplier of 1 has been applied.

	Organochlorine Pesticides																		
	4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Date**																		
SW201	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW201	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW204	**23 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW204	**23 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW212	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW212	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW215	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW215	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Statistics

Number of Results	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Maximum Concentration	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Average Concentration *	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**
Median Concentration *	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

* A Non Detect Multiplier of 1 has been applied.

		PAH																
		Benzo(b+j+k)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
		mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL		0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0005	0.0001
Location Code	**Date**																	
SW201	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW201	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW202	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW202	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW203	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW203	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW204	**23 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW204	**23 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW205	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW205	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW206	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW206	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW207	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW207	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW208	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW208	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW209	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW209	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW210	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW210	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW211	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW211	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW212	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW212	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW213	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW213	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW214	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW214	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW215	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW215	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW216	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW216	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW217	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW217	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001

Statistics

Number of Results	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Maximum Concentration	**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Average Concentration *	**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.0005**	**0.0001**
Median Concentration *	**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.0005**	**0.0001**

* A Non Detect Multiplier of 1 has been applied.

		PCBs							TPH				
		Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Date**												
SW201	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW201	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW203	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW203	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW204	**23 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW204	**23 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW212	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW212	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW215	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW215	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	**21 Feb 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50

Statistics

Number of Results	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Maximum Concentration	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Average Concentration *	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**100**	**100**	**50**
Median Concentration *	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**100**	**100**	**50**

* A Non Detect Multiplier of 1 has been applied.

Table 24: Surface water - water quality data event 3

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	EC (uS/cm)	Turbidity (ntu)
301	20.9	5.84	167.4	2.96	168.7	10.50
302						
303	32.7	7.74	149.2	1.38	25590	66.73
304	19.7	5.62	150.6	3.02	98.5	76.40
305	26.0	6.78	147.9	1.54	23212	11.84
306	32.5	8.17	118.3	1.39	31218	12.96
307	21.1	5.06	141.4	2.99	380.0	28.29
308	24.5	5.19	171.0	1.69	385.8	29.12

Table 25: Surface water – water quality data event 3 statistical summary

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	EC (uS/cm)	Turbidity (ntu)
min	19.7	5.06	118.3	1.38	98.5	10.50
max	32.7	8.17	171.0	3.02	31218	76.40
mean	25.3	6.34	149.4	2.14	11579	33.69
median	24.5	5.84	149.2	1.69	385.8	28.29
range	13.0	3.11	52.7	1.64	31119.5	65.90

Table 26: Estuary surface water – water quality data event 3

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	EC (uS/cm)	Turbidity (ntu)
201	25.5	7.96	161.8	1.58	41806	-1.57
202	24.4	8.13	166.9	1.56	47660	-2.22
203	23.8	8.13	155.2	1.61	49204	-1.46
204	20.7	7.12	98.0	3.13	43526	17.00
205	23.6	8.20	163.3	1.62	49861	-1.14
206	23.2	8.20	169.1	1.64	50947	-3.05
207	23.9	8.14	157.7	1.63	47723	-2.37
208	22.7	8.23	156.9	1.63	52335	-3.01
209	23.1	8.19	159.7	1.65	50903	-0.30
210	24.4	8.07	152.7	1.62	45613	0.57
211	24.9	8.02	146.7	1.61	43688	1.04
212	23.9	8.11	156.5	1.61	49116	-0.62
213	24.2	8.02	141.8	1.64	45632	3.32
214	24.3	8.07	129.5	1.62	45614	0.00
215	22.5	8.25	128.4	1.67	52384	-3.01
216	22.2	8.26	103.6	1.68	53047	-3.17
217	22.3	8.27	116.5	1.63	53105	-1.89

Table 27: Estuary surface water – water quality data event 3 statistical summary

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	EC (uS/cm)	Turbidity (ntu)
min	20.7	7.12	98.0	1.56	41806	-3.17
max	25.5	8.27	169.1	3.13	53105	17.00
mean	23.5	8.08	145.0	1.71	48362	-0.11
median	23.8	8.13	155.2	1.63	49116	-1.46
range	4.8	1.15	71.1	1.57	11299	20.17

Appendix H – Event 3 Documents

Lab Report Event 3

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

CERTIFICATE OF ANALYSIS 317305

Client Details

Client	Martens & Associates Pty Ltd
Attention	William Xu
Address	Suite 201, 20 George St, Hornsby, NSW, 2077

Sample Details

Your Reference	**P1203365 - Water Sampling, West Culburra, NSW**
Number of Samples	66 Water
Date samples received	24/02/2023
Date completed instructions received	24/02/2023

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	06/03/2023
Date of Issue	07/03/2023
Reissue Details	This report replaces R00 created on 07/03/2023 due to: revised report with additional results (Sample #65 pH & EC).

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Results Approved By
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Hannah Nguyen, Metals Supervisor
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Kyle Gavrily, Senior Chemist
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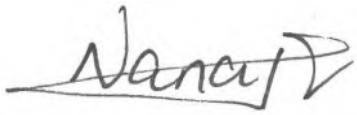
Authorised By



Nancy Zhang, Laboratory Manager

vTRH in Water (C6-C9) NEPM						
Our Reference		317305-8	317305-9	317305-10	317305-11	317305-12
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	28/02/2023	28/02/2023
Date analysed	-	02/03/2023	01/03/2023	02/03/2023	28/02/2023	28/02/2023
TRH C_6 - C_9	µg/L	31	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	37	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	110	115	112	114	113
Surrogate toluene-d8	%	101	102	101	103	100
Surrogate 4-BFB	%	103	102	103	109	112

vTRH in Water (C6-C9) NEPM						
Our Reference		317305-13	317305-14	317305-15	317305-16	317305-17
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW204 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/02/2023	28/02/2023	28/02/2023	28/02/2023	28/02/2023
Date analysed	-	28/02/2023	28/02/2023	28/02/2023	28/02/2023	28/02/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	116	117	117	116	116
Surrogate toluene-d8	%	103	105	103	102	103
Surrogate 4-BFB	%	110	109	107	108	110

vTRH in Water (C6-C9) NEPM						
Our Reference		317305-18	317305-19	317305-20	317305-21	317305-22
Your Reference	UNITS	3365/SW204 W/2	3365/SW205 W/1	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/02/2023	28/02/2023	28/02/2023	28/02/2023	28/02/2023
Date analysed	-	28/02/2023	28/02/2023	28/02/2023	28/02/2023	28/02/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	115	117	115	114	113
Surrogate toluene-d8	%	102	104	102	101	101
Surrogate 4-BFB	%	110	109	109	110	110

vTRH in Water (C6-C9) NEPM						
Our Reference		317305-23	317305-24	317305-25	317305-26	317305-27
Your Reference	UNITS	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/02/2023	28/02/2023	28/02/2023	28/02/2023	28/02/2023
Date analysed	-	28/02/2023	28/02/2023	28/02/2023	28/02/2023	28/02/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	114	113	111	113	115
Surrogate toluene-d8	%	103	102	100	101	102
Surrogate 4-BFB	%	109	110	111	112	110

vTRH in Water (C6-C9) NEPM						
Our Reference		317305-28	317305-29	317305-30	317305-31	317305-32
Your Reference	UNITS	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/02/2023	28/02/2023	28/02/2023	28/02/2023	28/02/2023
Date analysed	-	28/02/2023	28/02/2023	28/02/2023	28/02/2023	28/02/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	112	113	113	112	114
Surrogate toluene-d8	%	101	102	102	101	102
Surrogate 4-BFB	%	110	111	111	109	108

vTRH in Water (C6-C9) NEPM						
Our Reference		317305-33	317305-34	317305-35	317305-36	317305-37
Your Reference	UNITS	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/02/2023	28/02/2023	28/02/2023	28/02/2023	28/02/2023
Date analysed	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	112	114	113	114	114
Surrogate toluene-d8	%	101	102	102	103	102
Surrogate 4-BFB	%	110	110	109	110	110

vTRH in Water (C6-C9) NEPM						
Our Reference		317305-38	317305-39	317305-40	317305-41	317305-42
Your Reference	UNITS	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/02/2023	28/02/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	113	114	117	117	116
Surrogate toluene-d8	%	102	102	102	102	102
Surrogate 4-BFB	%	110	109	101	102	100

vTRH in Water (C6-C9) NEPM						
Our Reference		317305-43	317305-44	317305-45	317305-46	317305-47
Your Reference	UNITS	3365/SW217 W/1	3365/SW217 W/2	3365/SW301 W/1	3365/SW301 W/2	3365/SW302 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	116	117	115	114	120
Surrogate toluene-d8	%	102	102	103	101	104
Surrogate 4-BFB	%	101	102	101	100	101

vTRH in Water (C6-C9) NEPM						
Our Reference		317305-48	317305-49	317305-50	317305-51	317305-52
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	116	116	118	115	113
Surrogate toluene-d8	%	103	102	102	102	102
Surrogate 4-BFB	%	100	101	105	100	100

vTRH in Water (C6-C9) NEPM						
Our Reference		317305-53	317305-54	317305-55	317305-56	317305-57
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	115	115	117	115	115
Surrogate toluene-d8	%	102	102	103	102	103
Surrogate 4-BFB	%	100	101	101	101	101

vTRH in Water (C6-C9) NEPM				
Our Reference		317305-58	317305-59	317305-60
Your Reference	UNITS	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	01/03/2023	01/03/2023	01/03/2023
TRH C_6 - C_9	µg/L	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10
Surrogate Dibromofluoromethane	%	113	112	114
Surrogate toluene-d8	%	101	100	102
Surrogate 4-BFB	%	100	100	103

svTRH (C10-C40) in Water						
Our Reference		317305-8	317305-9	317305-10	317305-11	317305-12
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	02/03/2023	02/03/2023	03/03/2023	02/03/2023	02/03/2023
TRH C_{10} - C_{14}	µg/L	120	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	710	100	110	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	830	100	110	<50	<50
TRH >C_{10} - C_{16}	µg/L	500	76	110	<50	<50
TRH >C_{16} - C_{34}	µg/L	330	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	830	80	110	<50	<50
Surrogate o-Terphenyl	%	71	74	64	78	83

svTRH (C10-C40) in Water						
Our Reference		317305-13	317305-14	317305-15	317305-16	317305-17
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW204 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	02/03/2023	02/03/2023	02/03/2023	02/03/2023	02/03/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	76	80	80	75	80

svTRH (C10-C40) in Water						
Our Reference		317305-18	317305-19	317305-20	317305-21	317305-22
Your Reference	UNITS	3365/SW204 W/2	3365/SW205 W/1	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	02/03/2023	02/03/2023	02/03/2023	02/03/2023	02/03/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	82	74	71	65	64

svTRH (C10-C40) in Water						
Our Reference		317305-23	317305-24	317305-25	317305-26	317305-27
Your Reference	UNITS	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	02/03/2023	02/03/2023	02/03/2023	02/03/2023	02/03/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	74	68	68	64	60

svTRH (C10-C40) in Water						
Our Reference		317305-28	317305-29	317305-30	317305-31	317305-32
Your Reference	UNITS	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	02/03/2023	02/03/2023	02/03/2023	02/03/2023	02/03/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	69	74	76	86	72

svTRH (C10-C40) in Water						
Our Reference		317305-33	317305-34	317305-35	317305-36	317305-37
Your Reference	UNITS	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	02/03/2023	02/03/2023	02/03/2023	02/03/2023	02/03/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	75	77	72	70	72

svTRH (C10-C40) in Water						
Our Reference		317305-38	317305-39	317305-40	317305-41	317305-42
Your Reference	UNITS	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	02/03/2023	03/03/2023	03/03/2023	03/03/2023	03/03/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	70	71	72	75	79

svTRH (C10-C40) in Water						
Our Reference		317305-43	317305-44	317305-45	317305-46	317305-47
Your Reference	UNITS	3365/SW217 W/1	3365/SW217 W/2	3365/SW301 W/1	3365/SW301 W/2	3365/SW302 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	03/03/2023	03/03/2023	03/03/2023	03/03/2023	03/03/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	76	74	73	71	78

svTRH (C10-C40) in Water						
Our Reference		317305-48	317305-49	317305-50	317305-51	317305-52
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	03/03/2023	03/03/2023	03/03/2023	03/03/2023	03/03/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	130	120
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	130	120
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	100	110
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	100	110
Surrogate o-Terphenyl	%	70	71	75	77	78

svTRH (C10-C40) in Water						
Our Reference		317305-53	317305-54	317305-55	317305-56	317305-57
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	03/03/2023	03/03/2023	03/03/2023	03/03/2023	03/03/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	680
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	680
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	610
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	610
Surrogate o-Terphenyl	%	76	71	70	70	75

svTRH (C10-C40) in Water				
Our Reference		317305-58	317305-59	317305-60
Your Reference	UNITS	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	03/03/2023	03/03/2023	03/03/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	290	<100	100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	290	<50	100
TRH >C_{10} - C_{16}	µg/L	230	<50	59
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	230	<50	60
Surrogate o-Terphenyl	%	74	71	77

PAHs in Water						
Our Reference		317305-8	317305-9	317305-10	317305-11	317305-12
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	02/03/2023	02/03/2023	02/03/2023	02/03/2023	02/03/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	69	76	65	91	95

PAHs in Water						
Our Reference		317305-13	317305-14	317305-15	317305-16	317305-17
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW204 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	02/03/2023	02/03/2023	02/03/2023	02/03/2023	02/03/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	92	95	96	91	96

PAHs in Water						
Our Reference		317305-18	317305-19	317305-20	317305-21	317305-22
Your Reference	UNITS	3365/SW204 W/2	3365/SW205 W/1	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	02/03/2023	02/03/2023	02/03/2023	02/03/2023	02/03/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	94	91	83	91	88

PAHs in Water						
Our Reference		317305-23	317305-24	317305-25	317305-26	317305-27
Your Reference	UNITS	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	02/03/2023	02/03/2023	02/03/2023	02/03/2023	02/03/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	90	94	92	85	80

PAHs in Water						
Our Reference		317305-28	317305-29	317305-30	317305-31	317305-32
Your Reference	UNITS	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	02/03/2023	03/03/2023	03/03/2023	03/03/2023	03/03/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	92	86	85	87	81

PAHs in Water						
Our Reference		317305-33	317305-34	317305-35	317305-36	317305-37
Your Reference	UNITS	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	03/03/2023	03/03/2023	03/03/2023	03/03/2023	03/03/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	84	86	82	77	80

PAHs in Water						
Our Reference		317305-38	317305-39	317305-40	317305-41	317305-42
Your Reference	UNITS	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	03/03/2023	03/03/2023	03/03/2023	03/03/2023	03/03/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	75	62	76	83	86

PAHs in Water						
Our Reference		317305-43	317305-44	317305-45	317305-46	317305-47
Your Reference	UNITS	3365/SW217 W/1	3365/SW217 W/2	3365/SW301 W/1	3365/SW301 W/2	3365/SW302 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	03/03/2023	03/03/2023	03/03/2023	03/03/2023	03/03/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	87	83	81	78	76

PAHs in Water						
Our Reference		317305-48	317305-49	317305-50	317305-51	317305-52
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	03/03/2023	03/03/2023	03/03/2023	03/03/2023	03/03/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	73	75	72	70	62

PAHs in Water						
Our Reference		317305-53	317305-54	317305-55	317305-56	317305-57
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	03/03/2023	03/03/2023	03/03/2023	03/03/2023	03/03/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	84	70	71	70	64

PAHs in Water				
Our Reference		317305-58	317305-59	317305-60
Your Reference	UNITS	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	03/03/2023	03/03/2023	03/03/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	66	65	70

Organochlorine Pesticides in Water						
Our Reference		317305-8	317305-9	317305-10	317305-11	317305-12
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	02/03/2023	02/03/2023	02/03/2023	02/03/2023	02/03/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	71	77	67	91	94

Organochlorine Pesticides in Water						
Our Reference		317305-13	317305-14	317305-15	317305-16	317305-17
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW204 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	02/03/2023	02/03/2023	02/03/2023	02/03/2023	02/03/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	92	97	97	92	97

Organochlorine Pesticides in Water						
Our Reference		317305-18	317305-19	317305-20	317305-21	317305-22
Your Reference	UNITS	3365/SW204 W/2	3365/SW205 W/1	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	02/03/2023	02/03/2023	02/03/2023	02/03/2023	02/03/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	95	92	83	91	89

Organochlorine Pesticides in Water						
Our Reference		317305-23	317305-24	317305-25	317305-26	317305-27
Your Reference	UNITS	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	02/03/2023	02/03/2023	02/03/2023	02/03/2023	02/03/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	91	94	92	85	80

Organochlorine Pesticides in Water						
Our Reference		317305-28	317305-29	317305-30	317305-31	317305-32
Your Reference	UNITS	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	02/03/2023	03/03/2023	03/03/2023	03/03/2023	03/03/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	92	81	83	86	77

Organochlorine Pesticides in Water						
Our Reference		317305-33	317305-34	317305-35	317305-36	317305-37
Your Reference	UNITS	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	03/03/2023	03/03/2023	03/03/2023	03/03/2023	03/03/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	82	84	80	76	80

Organochlorine Pesticides in Water						
Our Reference		317305-38	317305-39	317305-40	317305-41	317305-42
Your Reference	UNITS	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	03/03/2023	03/03/2023	03/03/2023	03/03/2023	03/03/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	75	62	77	82	88

Organochlorine Pesticides in Water						
Our Reference		317305-43	317305-44	317305-45	317305-46	317305-47
Your Reference	UNITS	3365/SW217 W/1	3365/SW217 W/2	3365/SW301 W/1	3365/SW301 W/2	3365/SW302 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	03/03/2023	03/03/2023	03/03/2023	03/03/2023	03/03/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	82	81	80	77	77

Organochlorine Pesticides in Water						
Our Reference		317305-48	317305-49	317305-50	317305-51	317305-52
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	03/03/2023	03/03/2023	03/03/2023	03/03/2023	03/03/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	74	74	70	70	63

Organochlorine Pesticides in Water						
Our Reference		317305-53	317305-54	317305-55	317305-56	317305-57
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	03/03/2023	03/03/2023	03/03/2023	03/03/2023	03/03/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	83	70	65	69	71

Organochlorine Pesticides in Water				
Our Reference		317305-58	317305-59	317305-60
Your Reference	UNITS	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	03/03/2023	03/03/2023	03/03/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2
Surrogate TCMX	%	77	70	66

PCBs in Water						
Our Reference		317305-8	317305-9	317305-10	317305-11	317305-12
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	02/03/2023	02/03/2023	02/03/2023	02/03/2023	02/03/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	71	77	67	91	94

PCBs in Water						
Our Reference		317305-13	317305-14	317305-15	317305-16	317305-17
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW204 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	02/03/2023	02/03/2023	02/03/2023	02/03/2023	02/03/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	92	97	97	92	97

PCBs in Water						
Our Reference		317305-18	317305-19	317305-20	317305-21	317305-22
Your Reference	UNITS	3365/SW204 W/2	3365/SW205 W/1	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	02/03/2023	02/03/2023	02/03/2023	02/03/2023	02/03/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	95	92	83	91	89

PCBs in Water						
Our Reference		317305-23	317305-24	317305-25	317305-26	317305-27
Your Reference	UNITS	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	02/03/2023	02/03/2023	02/03/2023	02/03/2023	02/03/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	91	94	92	85	80

PCBs in Water						
Our Reference		317305-28	317305-29	317305-30	317305-31	317305-32
Your Reference	UNITS	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	02/03/2023	03/03/2023	03/03/2023	03/03/2023	03/03/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	92	81	83	86	77

PCBs in Water						
Our Reference		317305-33	317305-34	317305-35	317305-36	317305-37
Your Reference	UNITS	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	03/03/2023	03/03/2023	03/03/2023	03/03/2023	03/03/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	82	84	80	76	80

PCBs in Water						
Our Reference		317305-38	317305-39	317305-40	317305-41	317305-42
Your Reference	UNITS	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	03/03/2023	03/03/2023	03/03/2023	03/03/2023	03/03/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	75	62	77	82	88

PCBs in Water						
Our Reference		317305-43	317305-44	317305-45	317305-46	317305-47
Your Reference	UNITS	3365/SW217 W/1	3365/SW217 W/2	3365/SW301 W/1	3365/SW301 W/2	3365/SW302 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	03/03/2023	03/03/2023	03/03/2023	03/03/2023	03/03/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	82	81	80	77	77

PCBs in Water						
Our Reference		317305-48	317305-49	317305-50	317305-51	317305-52
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	03/03/2023	03/03/2023	03/03/2023	03/03/2023	03/03/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	74	74	70	70	63

PCBs in Water						
Our Reference		317305-53	317305-54	317305-55	317305-56	317305-57
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	03/03/2023	03/03/2023	03/03/2023	03/03/2023	03/03/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	83	70	65	69	71

PCBs in Water				
Our Reference		317305-58	317305-59	317305-60
Your Reference	UNITS	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water
Date extracted	-	01/03/2023	01/03/2023	01/03/2023
Date analysed	-	03/03/2023	03/03/2023	03/03/2023
Aroclor 1016	µg/L	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2
Surrogate TCMX	%	77	70	66

HM in water - total						
Our Reference		317305-8	317305-9	317305-10	317305-11	317305-12
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Date analysed	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Aluminium-Total	µg/L	1,700	270	3,800	80	110
Arsenic-Total	µg/L	1	<1	1	2	2
Cadmium-Total	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chromium-Total	µg/L	2	<1	5	<1	<1
Copper-Total	µg/L	5	2	5	<1	<1
Iron-Total	µg/L	2,300	69	5,400	210	240
Lead-Total	µg/L	1	1	6	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Zinc-Total	µg/L	17	8	22	2	2

HM in water - total						
Our Reference		317305-13	317305-14	317305-15	317305-16	317305-17
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW204 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Date analysed	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Aluminium-Total	µg/L	70	80	110	80	1,800
Arsenic-Total	µg/L	1	2	2	2	4
Cadmium-Total	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chromium-Total	µg/L	<1	<1	<1	<1	2
Copper-Total	µg/L	<1	1	1	<1	2
Iron-Total	µg/L	170	160	190	190	2,800
Lead-Total	µg/L	<1	<1	<1	<1	1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Zinc-Total	µg/L	<1	1	2	1	6

HM in water - total						
Our Reference		317305-18	317305-19	317305-20	317305-21	317305-22
Your Reference	UNITS	3365/SW204 W/2	3365/SW205 W/1	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Date analysed	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Aluminium-Total	µg/L	290	40	40	70	80
Arsenic-Total	µg/L	2	1	1	1	2
Cadmium-Total	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chromium-Total	µg/L	1	<1	<1	<1	<1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	560	91	84	120	130
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Zinc-Total	µg/L	2	2	<1	5	<1

HM in water - total						
Our Reference		317305-23	317305-24	317305-25	317305-26	317305-27
Your Reference	UNITS	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Date analysed	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Aluminium-Total	µg/L	100	90	80	80	120
Arsenic-Total	µg/L	2	2	1	2	2
Cadmium-Total	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chromium-Total	µg/L	<1	<1	<1	<1	<1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	160	140	150	140	220
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Zinc-Total	µg/L	<1	<1	1	<1	2

HM in water - total						
Our Reference		317305-28	317305-29	317305-30	317305-31	317305-32
Your Reference	UNITS	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Date analysed	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Aluminium-Total	µg/L	120	110	110	100	90
Arsenic-Total	µg/L	2	1	1	1	1
Cadmium-Total	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chromium-Total	µg/L	<1	<1	<1	<1	<1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	200	200	230	160	170
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Zinc-Total	µg/L	<1	<1	<1	<1	<1

HM in water - total						
Our Reference		317305-33	317305-34	317305-35	317305-36	317305-37
Your Reference	UNITS	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Date analysed	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Aluminium-Total	µg/L	90	110	100	100	90
Arsenic-Total	µg/L	2	1	1	1	1
Cadmium-Total	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chromium-Total	µg/L	<1	<1	<1	<1	<1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	190	220	170	160	160
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Zinc-Total	µg/L	<1	<1	<1	<1	<1

HM in water - total						
Our Reference		317305-38	317305-39	317305-40	317305-41	317305-42
Your Reference	UNITS	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Date analysed	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Aluminium-Total	µg/L	90	50	60	40	40
Arsenic-Total	µg/L	1	1	1	2	2
Cadmium-Total	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chromium-Total	µg/L	<1	<1	<1	<1	<1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	150	75	120	70	75
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Zinc-Total	µg/L	<1	<1	<1	<1	2

HM in water - total						
Our Reference		317305-43	317305-44	317305-45	317305-46	317305-47
Your Reference	UNITS	3365/SW217 W/1	3365/SW217 W/2	3365/SW301 W/1	3365/SW301 W/2	3365/SW302 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Date analysed	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Aluminium-Total	µg/L	70	70	1,500	1,000	3,600
Arsenic-Total	µg/L	2	2	<1	<1	1
Cadmium-Total	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chromium-Total	µg/L	<1	<1	2	2	4
Copper-Total	µg/L	<1	<1	2	3	4
Iron-Total	µg/L	160	140	1,300	960	4,500
Lead-Total	µg/L	<1	<1	1	1	5
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Zinc-Total	µg/L	<1	<1	3	13	8

HM in water - total						
Our Reference		317305-48	317305-49	317305-50	317305-51	317305-52
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Date analysed	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Aluminium-Total	µg/L	3,300	400	450	2,600	2,800
Arsenic-Total	µg/L	1	1	1	1	1
Cadmium-Total	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chromium-Total	µg/L	4	1	2	3	3
Copper-Total	µg/L	3	1	2	3	4
Iron-Total	µg/L	4,000	2,200	2,300	3,500	4,000
Lead-Total	µg/L	4	<1	<1	2	2
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Zinc-Total	µg/L	8	5	12	9	12

HM in water - total						
Our Reference		317305-53	317305-54	317305-55	317305-56	317305-57
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Date analysed	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Aluminium-Total	µg/L	490	370	260	330	830
Arsenic-Total	µg/L	1	1	2	2	<1
Cadmium-Total	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chromium-Total	µg/L	2	1	1	1	2
Copper-Total	µg/L	2	1	<1	<1	5
Iron-Total	µg/L	1,300	1,200	850	870	1,600
Lead-Total	µg/L	<1	<1	<1	<1	2
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Zinc-Total	µg/L	8	7	7	2	36

HM in water - total						
Our Reference		317305-58	317305-59	317305-60	317305-61	317305-62
Your Reference	UNITS	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2	3365/DUP01	3365/DUP02
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Date analysed	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Aluminium-Total	µg/L	600	840	1,300	80	140
Arsenic-Total	µg/L	<1	1	1	2	2
Cadmium-Total	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chromium-Total	µg/L	2	2	2	<1	<1
Copper-Total	µg/L	4	1	2	<1	<1
Iron-Total	µg/L	990	2,600	2,800	140	220
Lead-Total	µg/L	1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Zinc-Total	µg/L	25	5	8	3	1

HM in water - total			
Our Reference		317305-63	317305-64
Your Reference	UNITS	3365/DUP03	3365/DUP04
Date Sampled		20-24/02/2023	20-24/02/2023
Type of sample		Water	Water
Date prepared	-	27/02/2023	27/02/2023
Date analysed	-	27/02/2023	27/02/2023
Aluminium-Total	µg/L	970	2,400
Arsenic-Total	µg/L	<1	1
Cadmium-Total	µg/L	<0.1	<0.1
Chromium-Total	µg/L	2	3
Copper-Total	µg/L	2	3
Iron-Total	µg/L	970	3,500
Lead-Total	µg/L	1	2
Selenium-Total	µg/L	<1	<1
Mercury-Total	µg/L	<0.05	<0.05
Zinc-Total	µg/L	5	14

Miscellaneous Inorganics						
Our Reference		317305-1	317305-2	317305-3	317305-4	317305-5
Your Reference	UNITS	3365/GW01	3365/GW02	3365/GW03	3365/GW04	3365/GW05
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	24/02/2023	24/02/2023	24/02/2023	24/02/2023	24/02/2023
Date analysed	-	24/02/2023	24/02/2023	24/02/2023	24/02/2023	24/02/2023
Total Nitrogen in water	mg/L	<0.1	<0.1	0.1	1.8	0.3
Phosphate as P in water	mg/L	<0.005	0.15	<0.005	<0.005	<0.005

Miscellaneous Inorganics						
Our Reference		317305-6	317305-7	317305-8	317305-9	317305-10
Your Reference	UNITS	3365/GW06	3365/GW07	3365/SW101	3365/SW102	3365/SW103
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	24/02/2023	24/02/2023	24/02/2023	24/02/2023	24/02/2023
Date analysed	-	24/02/2023	24/02/2023	24/02/2023	24/02/2023	24/02/2023
Chlorophyll a	mg/m^3	[NA]	[NA]	<1	2	2
Total Suspended Solids	mg/L	[NA]	[NA]	34	6	710
Total Nitrogen in water	mg/L	<0.1	0.2	1.5	1.4	1.2
Phosphate as P in water	mg/L	0.006	<0.005	<0.005	0.04	<0.005

Miscellaneous Inorganics						
Our Reference		317305-11	317305-12	317305-13	317305-14	317305-15
Your Reference	UNITS	3365/SW201 W/1	3365/SW201 W/2	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	24/02/2023	24/02/2023	24/02/2023	24/02/2023	24/02/2023
Date analysed	-	24/02/2023	24/02/2023	24/02/2023	24/02/2023	24/02/2023
Chlorophyll a	mg/m^3	1	2	<1	1	2
Total Suspended Solids	mg/L	8	6	<5	<5	<5
Total Nitrogen in water	mg/L	0.3	0.2	0.2	0.2	0.2
Phosphate as P in water	mg/L	0.02	0.02	0.02	0.02	0.02

Miscellaneous Inorganics						
Our Reference		317305-16	317305-17	317305-18	317305-19	317305-20
Your Reference	UNITS	3365/SW203 W/2	3365/SW204 W/1	3365/SW204 W/2	3365/SW205 W/1	3365/SW205 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	24/02/2023	24/02/2023	24/02/2023	24/02/2023	24/02/2023
Date analysed	-	24/02/2023	24/02/2023	24/02/2023	24/02/2023	24/02/2023
Chlorophyll a	mg/m^3	1	9	4	<1	<1
Total Suspended Solids	mg/L	6	140	22	<5	<5
Total Nitrogen in water	mg/L	0.2	0.2	0.2	0.1	<0.1
Phosphate as P in water	mg/L	0.01	0.009	0.01	0.01	0.009

Miscellaneous Inorganics						
Our Reference		317305-21	317305-22	317305-23	317305-24	317305-25
Your Reference	UNITS	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	24/02/2023	24/02/2023	24/02/2023	24/02/2023	24/02/2023
Date analysed	-	24/02/2023	24/02/2023	24/02/2023	24/02/2023	24/02/2023
Chlorophyll a	mg/m^3	1	1	<1	2	<1
Total Suspended Solids	mg/L	6	5	6	8	7
Total Nitrogen in water	mg/L	0.1	0.1	0.1	0.1	0.2
Phosphate as P in water	mg/L	0.009	0.007	0.009	0.01	0.009

Miscellaneous Inorganics						
Our Reference		317305-26	317305-27	317305-28	317305-29	317305-30
Your Reference	UNITS	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	24/02/2023	24/02/2023	24/02/2023	24/02/2023	24/02/2023
Date analysed	-	24/02/2023	24/02/2023	24/02/2023	24/02/2023	24/02/2023
Chlorophyll a	mg/m^3	1	2	2	<1	<1
Total Suspended Solids	mg/L	8	7	6	8	8
Total Nitrogen in water	mg/L	0.1	0.1	0.2	0.2	0.1
Phosphate as P in water	mg/L	0.008	0.008	0.009	0.009	0.01

Miscellaneous Inorganics						
Our Reference		317305-31	317305-32	317305-33	317305-34	317305-35
Your Reference	UNITS	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	24/02/2023	24/02/2023	24/02/2023	24/02/2023	24/02/2023
Date analysed	-	24/02/2023	24/02/2023	24/02/2023	24/02/2023	24/02/2023
Chlorophyll a	mg/m^3	2	1	1	2	<1
Total Suspended Solids	mg/L	5	7	7	9	8
Total Nitrogen in water	mg/L	0.1	0.2	0.1	0.1	0.1
Phosphate as P in water	mg/L	0.01	0.01	0.008	0.008	0.01

Miscellaneous Inorganics						
Our Reference		317305-36	317305-37	317305-38	317305-39	317305-40
Your Reference	UNITS	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	24/02/2023	24/02/2023	24/02/2023	24/02/2023	24/02/2023
Date analysed	-	24/02/2023	24/02/2023	24/02/2023	24/02/2023	24/02/2023
Chlorophyll a	mg/m^3	<1	<1	<1	2	2
Total Suspended Solids	mg/L	<5	13	<5	14	6
Total Nitrogen in water	mg/L	0.1	0.1	0.1	0.1	<0.1
Phosphate as P in water	mg/L	0.009	0.01	0.01	0.009	0.007

Miscellaneous Inorganics						
Our Reference		317305-41	317305-42	317305-43	317305-44	317305-45
Your Reference	UNITS	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2	3365/SW301 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	24/02/2023	24/02/2023	24/02/2023	24/02/2023	24/02/2023
Date analysed	-	24/02/2023	24/02/2023	24/02/2023	24/02/2023	24/02/2023
Chlorophyll a	mg/m^3	<1	<1	<1	1	<1
Total Suspended Solids	mg/L	5	8	6	9	6
Total Nitrogen in water	mg/L	0.1	<0.1	<0.1	<0.1	0.6
Phosphate as P in water	mg/L	0.006	0.006	0.006	0.006	<0.005

Miscellaneous Inorganics						
Our Reference		317305-46	317305-47	317305-48	317305-49	317305-50
Your Reference	UNITS	3365/SW301 W/2	3365/SW302 W/1	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	24/02/2023	24/02/2023	24/02/2023	24/02/2023	24/02/2023
Date analysed	-	24/02/2023	24/02/2023	24/02/2023	24/02/2023	24/02/2023
Chlorophyll a	mg/m^3	2	1	2	7	2
Total Suspended Solids	mg/L	20	130	100	97	28
Total Nitrogen in water	mg/L	0.6	0.6	0.6	1.2	1.3
Phosphate as P in water	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005

Miscellaneous Inorganics						
Our Reference		317305-51	317305-52	317305-53	317305-54	317305-55
Your Reference	UNITS	3365/SW304 W/1	3365/SW304 W/2	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	24/02/2023	24/02/2023	24/02/2023	24/02/2023	24/02/2023
Date analysed	-	24/02/2023	24/02/2023	24/02/2023	24/02/2023	24/02/2023
Chlorophyll a	mg/m^3	<1	<1	10	7	8
Total Suspended Solids	mg/L	34	19	18	20	34
Total Nitrogen in water	mg/L	1	0.8	0.8	0.7	<0.1
Phosphate as P in water	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005

Miscellaneous Inorganics						
Our Reference		317305-56	317305-57	317305-58	317305-59	317305-60
Your Reference	UNITS	3365/SW306 W/2	3365/SW307 W/1	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	24/02/2023	24/02/2023	24/02/2023	24/02/2023	24/02/2023
Date analysed	-	24/02/2023	24/02/2023	24/02/2023	24/02/2023	24/02/2023
Chlorophyll a	mg/m^3	7	3	2	2	<1
Total Suspended Solids	mg/L	27	88	120	40	19
Total Nitrogen in water	mg/L	0.6	1.3	0.9	0.6	0.6
Phosphate as P in water	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005

Miscellaneous Inorganics		
Our Reference		317305-65
Your Reference	UNITS	3365/GW DUP01
Date Sampled		20-24/02/2023
Type of sample		Water
Date prepared	-	24/02/2023
Date analysed	-	24/02/2023
pH	pH Units	5.8
Electrical Conductivity	µS/cm	2,500

Metals in Waters - Acid extractable						
Our Reference		317305-1	317305-2	317305-3	317305-4	317305-5
Your Reference	UNITS	3365/GW01	3365/GW02	3365/GW03	3365/GW04	3365/GW05
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Date analysed	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Phosphorus - Total	mg/L	0.1	0.2	0.5	6.8	<0.05

Metals in Waters - Acid extractable						
Our Reference		317305-6	317305-7	317305-8	317305-9	317305-10
Your Reference	UNITS	3365/GW06	3365/GW07	3365/SW101	3365/SW102	3365/SW103
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Date analysed	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Phosphorus - Total	mg/L	0.1	<0.05	0.09	0.09	<0.05

Metals in Waters - Acid extractable						
Our Reference		317305-11	317305-12	317305-13	317305-14	317305-15
Your Reference	UNITS	3365/SW201 W/1	3365/SW201 W/2	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Date analysed	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Phosphorus - Total	mg/L	0.05	<0.05	<0.1	<0.1	<0.05

Metals in Waters - Acid extractable						
Our Reference		317305-16	317305-17	317305-18	317305-19	317305-20
Your Reference	UNITS	3365/SW203 W/2	3365/SW204 W/1	3365/SW204 W/2	3365/SW205 W/1	3365/SW205 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Date analysed	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Phosphorus - Total	mg/L	<0.05	0.2	0.07	<0.05	<0.1

Metals in Waters - Acid extractable						
Our Reference		317305-21	317305-22	317305-23	317305-24	317305-25
Your Reference	UNITS	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Date analysed	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Phosphorus - Total	mg/L	<0.05	<0.1	<0.1	<0.1	<0.05

Metals in Waters - Acid extractable						
Our Reference		317305-26	317305-27	317305-28	317305-29	317305-30
Your Reference	UNITS	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Date analysed	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.1	<0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		317305-31	317305-32	317305-33	317305-34	317305-35
Your Reference	UNITS	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Date analysed	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	<0.1	<0.05

Metals in Waters - Acid extractable						
Our Reference		317305-36	317305-37	317305-38	317305-39	317305-40
Your Reference	UNITS	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Date analysed	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	<0.1	<0.1

Metals in Waters - Acid extractable						
Our Reference		317305-41	317305-42	317305-43	317305-44	317305-45
Your Reference	UNITS	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2	3365/SW301 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Date analysed	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Phosphorus - Total	mg/L	<0.1	<0.1	<0.1	<0.1	<0.05

Metals in Waters - Acid extractable						
Our Reference		317305-46	317305-47	317305-48	317305-49	317305-50
Your Reference	UNITS	3365/SW301 W/2	3365/SW302 W/1	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Date analysed	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023

Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		317305-51	317305-52	317305-53	317305-54	317305-55
Your Reference	UNITS	3365/SW304 W/1	3365/SW304 W/2	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Date analysed	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		317305-56	317305-57	317305-58	317305-59	317305-60
Your Reference	UNITS	3365/SW306 W/2	3365/SW307 W/1	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Date analysed	-	27/02/2023	27/02/2023	27/02/2023	27/02/2023	27/02/2023
Phosphorus - Total	mg/L	0.05	<0.05	<0.05	<0.05	<0.05

Microbiologocal Testing						
Our Reference		317305-1	317305-2	317305-3	317305-4	317305-5
Your Reference	UNITS	3365/GW01	3365/GW02	3365/GW03	3365/GW04	3365/GW05
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	25/02/2023	25/02/2023	25/02/2023	25/02/2023	25/02/2023
Faecal Coliforms	cfu/100mL	<1,000	<100 & >10	<1,000	1,600 A	200

Microbiologocal Testing						
Our Reference		317305-6	317305-7	317305-8	317305-9	317305-10
Your Reference	UNITS	3365/GW06	3365/GW07	3365/SW101	3365/SW102	3365/SW103
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	25/02/2023	25/02/2023	25/02/2023	25/02/2023	25/02/2023
Faecal Coliforms	cfu/100mL	<100 & >10	6,500	<1,000 & >100	<1,000	<1,000 & >10
E. coli	cfu/100mL	[NA]	[NA]	<1,000 & >100	<1,000	<1,000 & >100

Microbiologocal Testing						
Our Reference		317305-11	317305-12	317305-13	317305-14	317305-15
Your Reference	UNITS	3365/SW201 W/1	3365/SW201 W/2	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	25/02/2023	25/02/2023	25/02/2023	25/02/2023	25/02/2023
Faecal Coliforms	cfu/100mL	<100	<1,000	<100	<1,000 &>100	<100
E. coli	cfu/100mL	<100	<1,000	<100	<1,000 &>100	<100

Microbiologocal Testing						
Our Reference		317305-16	317305-17	317305-18	317305-19	317305-20
Your Reference	UNITS	3365/SW203 W/2	3365/SW204 W/1	3365/SW204 W/2	3365/SW205 W/1	3365/SW205 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	25/02/2023	25/02/2023	25/02/2023	25/02/2023	25/02/2023
Faecal Coliforms	cfu/100mL	<10	<100	<10	<100	<100
E. coli	cfu/100mL	<10	<100	<10	<100	<100

Microbiologocal Testing						
Our Reference		317305-21	317305-22	317305-23	317305-24	317305-25
Your Reference	UNITS	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	25/02/2023	25/02/2023	25/02/2023	25/02/2023	25/02/2023
Faecal Coliforms	cfu/100mL	<1,000	<10	<10	<10	<10
E. coli	cfu/100mL	<1,000	<10	<10	<10	<10

Microbiologocal Testing						
Our Reference		317305-26	317305-27	317305-28	317305-29	317305-30
Your Reference	UNITS	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	25/02/2023	25/02/2023	25/02/2023	25/02/2023	25/02/2023
Faecal Coliforms	cfu/100mL	<100	<100	<100	<100	<1,000
E. coli	cfu/100mL	<100	<100	<100	<100	<1,000

Microbiologocal Testing						
Our Reference		317305-31	317305-32	317305-33	317305-34	317305-35
Your Reference	UNITS	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	25/02/2023	25/02/2023	25/02/2023	25/02/2023	25/02/2023
Faecal Coliforms	cfu/100mL	<100	<100	<100	<100	<10
E. coli	cfu/100mL	<100	<100	<100	<100	<10

Microbiologocal Testing						
Our Reference		317305-36	317305-37	317305-38	317305-39	317305-40
Your Reference	UNITS	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	25/02/2023	25/02/2023	25/02/2023	25/02/2023	25/02/2023
Faecal Coliforms	cfu/100mL	<10	<10	<100	<100	<100
E. coli	cfu/100mL	<10	<10	<100	<100	<100

Microbiologocal Testing						
Our Reference		317305-41	317305-42	317305-43	317305-44	317305-45
Your Reference	UNITS	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2	3365/SW301 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	25/02/2023	25/02/2023	25/02/2023	25/02/2023	25/02/2023
Faecal Coliforms	cfu/100mL	<10	<1,000	<1,000	<100	13,000
E. coli	cfu/100mL	<10	<1,000	<1,000	<100	13,000

Microbiologocal Testing						
Our Reference		317305-46	317305-47	317305-48	317305-49	317305-50
Your Reference	UNITS	3365/SW301 W/2	3365/SW302 W/1	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	25/02/2023	25/02/2023	25/02/2023	25/02/2023	25/02/2023
Faecal Coliforms	cfu/100mL	2,200	100	100	<1,000 &>100	<1,000 &>100

E. coli	cfu/100mL	2,200	100	100	<1,000 & >100	<1,000 & >100

Microbiologocal Testing						
Our Reference		317305-51	317305-52	317305-53	317305-54	317305-55
Your Reference	UNITS	3365/SW304 W/1	3365/SW304 W/2	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	25/02/2023	25/02/2023	25/02/2023	25/02/2023	25/02/2023
Faecal Coliforms	cfu/100mL	<100 & >10	300	5,000 A	<1,000 &>100	<1,000
E. coli	cfu/100mL	<100 & >10	300	5,000 A	<1,000 & >100	<1,000

Microbiologocal Testing						
Our Reference		317305-56	317305-57	317305-58	317305-59	317305-60
Your Reference	UNITS	3365/SW306 W/2	3365/SW307 W/1	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023	20-24/02/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	25/02/2023	25/02/2023	25/02/2023	25/02/2023	25/02/2023
Faecal Coliforms	cfu/100mL	<100 &>10	<1,000	1,000 NBO	<10	10^A
E. coli	cfu/100mL	<100 & >10	<1,000	1,0000 NBO	<10	10^A

Method ID	Methodology Summary
Ext-008	Subcontracted to Sonic Food & Water Testing. NATA Accreditation No. 4034.
Inorg-001	pH - Measured using pH meter and electrode in accordance with APHA latest edition, 4500-H+. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.
Inorg-002	Conductivity and Salinity - measured using a conductivity cell at 25°C in accordance with APHA latest edition 2510 and Rayment & Lyons.
Inorg-019	Suspended Solids - determined gravimetricially by filtration of the sample. The samples are dried at 104+/-5°C.
Inorg-055/062/127	Total Nitrogen - Calculation sum of TKN and oxidised Nitrogen. Alternatively analysed by combustion and chemiluminescence.
Inorg-060	Phosphate determined colourimetrically based on EPA365.1 and APHA latest edition 4500 P E. Waters samples are filtered on receipt prior to analysis. Soils are analysed following a water extraction.
INORG-119	Chlorophyll A based on APHA 10200 H latest edition.
Metals-020	Determination of various metals by ICP-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Metals-022	Determination of various metals by ICP-MS.
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-021	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			01/03/2023	11	28/02/2023	01/03/2023		01/03/2023	[NT]
Date analysed	-			02/03/2023	11	28/02/2023	01/03/2023		01/03/2023	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	<10	11	<10	<10	0	104	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	<10	11	<10	<10	0	104	[NT]
Surrogate Dibromofluoromethane	%		Org-023	111	11	114	114	0	103	[NT]
Surrogate toluene-d8	%		Org-023	102	11	103	102	1	100	[NT]
Surrogate 4-BFB	%		Org-023	103	11	109	103	6	102	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	[NT]
Date extracted	-			[NT]	21	28/02/2023	01/03/2023		01/03/2023	[NT]
Date analysed	-			[NT]	21	28/02/2023	01/03/2023		01/03/2023	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	21	<10	<10	0	112	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	21	<10	<10	0	112	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	21	114	117	3	103	[NT]
Surrogate toluene-d8	%		Org-023	[NT]	21	101	102	1	100	[NT]
Surrogate 4-BFB	%		Org-023	[NT]	21	110	102	8	101	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	[NT]
Date extracted	-			[NT]	31	28/02/2023	02/03/2023		01/03/2023	[NT]
Date analysed	-			[NT]	31	28/02/2023	02/03/2023		02/03/2023	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	31	<10	<10	0	117	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	31	<10	<10	0	117	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	31	112	116	4	103	[NT]
Surrogate toluene-d8	%		Org-023	[NT]	31	101	101	0	99	[NT]
Surrogate 4-BFB	%		Org-023	[NT]	31	109	102	7	103	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	41	01/03/2023	02/03/2023		[NT]	[NT]
Date analysed	-			[NT]	41	01/03/2023	02/03/2023		[NT]	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	41	<10	<10	0	[NT]	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	41	<10	<10	0	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	41	117	117	0	[NT]	[NT]
Surrogate toluene-d8	%		Org-023	[NT]	41	102	102	0	[NT]	[NT]
Surrogate 4-BFB	%		Org-023	[NT]	41	102	101	1	[NT]	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	51	01/03/2023	02/03/2023		[NT]	[NT]
Date analysed	-			[NT]	51	01/03/2023	02/03/2023		[NT]	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	51	<10	<10	0	[NT]	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	51	<10	<10	0	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	51	115	115	0	[NT]	[NT]
Surrogate toluene-d8	%		Org-023	[NT]	51	102	102	0	[NT]	[NT]
Surrogate 4-BFB	%		Org-023	[NT]	51	100	100	0	[NT]	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	60	01/03/2023	02/03/2023		[NT]	[NT]
Date analysed	-			[NT]	60	01/03/2023	02/03/2023		[NT]	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	60	<10	<10	0	[NT]	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	60	<10	<10	0	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	60	114	111	3	[NT]	[NT]
Surrogate toluene-d8	%		Org-023	[NT]	60	102	101	1	[NT]	[NT]
Surrogate 4-BFB	%		Org-023	[NT]	60	103	100	3	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	317305-9
Date extracted	-			01/03/2023	8	01/03/2023	01/03/2023		01/03/2023	01/03/2023
Date analysed	-			02/03/2023	8	02/03/2023	02/03/2023		02/03/2023	02/03/2023
TRH C_{10} - C_{14}	µg/L	50	Org-020	<50	8	120	110	9	81	76
TRH C_{15} - C_{28}	µg/L	100	Org-020	<100	8	710	630	12	90	84
TRH C_{29} - C_{36}	µg/L	100	Org-020	<100	8	<100	<100	0	86	114
TRH >C_{10} - C_{16}	µg/L	50	Org-020	<50	8	500	410	20	81	76
TRH >C_{16} - C_{34}	µg/L	100	Org-020	<100	8	330	350	6	90	84
TRH >C_{34} - C_{40}	µg/L	100	Org-020	<100	8	<100	<100	0	86	114
Surrogate o-Terphenyl	%		Org-020	63	8	71	70	1	73	74

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	317305-30
Date extracted	-			[NT]	18	01/03/2023	01/03/2023		01/03/2023	01/03/2023
Date analysed	-			[NT]	18	02/03/2023	02/03/2023		02/03/2023	02/03/2023
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	18	<50	<50	0	70	76
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	18	<100	<100	0	86	84
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	18	<100	<100	0	86	75
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	18	<50	<50	0	70	76
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	18	<100	<100	0	86	84
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	18	<100	<100	0	86	75
Surrogate o-Terphenyl	%		Org-020	[NT]	18	82	74	10	73	66

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	317305-49
Date extracted	-			[NT]	29	01/03/2023	01/03/2023		01/03/2023	01/03/2023
Date analysed	-			[NT]	29	02/03/2023	02/03/2023		02/03/2023	03/03/2023
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	29	<50	<50	0	75	75
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	29	<100	<100	0	91	84
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	29	<100	<100	0	114	109
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	29	<50	<50	0	75	75
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	29	<100	<100	0	91	84
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	29	<100	<100	0	114	109
Surrogate o-Terphenyl	%		Org-020	[NT]	29	74	74	0	76	64

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	38	01/03/2023	01/03/2023		[NT]	[NT]
Date analysed	-			[NT]	38	02/03/2023	02/03/2023		[NT]	[NT]
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	38	<50	<50	0	[NT]	[NT]
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	38	<100	<100	0	[NT]	[NT]
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	38	<100	<100	0	[NT]	[NT]
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	38	<50	<50	0	[NT]	[NT]
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	38	<100	<100	0	[NT]	[NT]
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	38	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-020	[NT]	38	70	71	1	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	48	01/03/2023	01/03/2023		[NT]	[NT]
Date analysed	-			[NT]	48	03/03/2023	03/03/2023		[NT]	[NT]
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	48	<50	<50	0	[NT]	[NT]
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	48	<100	<100	0	[NT]	[NT]
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	48	<100	<100	0	[NT]	[NT]
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	48	<50	<50	0	[NT]	[NT]
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	48	<100	<100	0	[NT]	[NT]
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	48	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-020	[NT]	48	70	70	0	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	58	01/03/2023	01/03/2023		[NT]	[NT]
Date analysed	-			[NT]	58	03/03/2023	03/03/2023		[NT]	[NT]
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	58	<50	<50	0	[NT]	[NT]
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	58	290	260	11	[NT]	[NT]
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	58	<100	<100	0	[NT]	[NT]
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	58	230	240	4	[NT]	[NT]
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	58	<100	<100	0	[NT]	[NT]
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	58	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-020	[NT]	58	74	70	6	[NT]	[NT]

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	317305-19
Date extracted	-			01/03/2023	8	01/03/2023	01/03/2023		01/03/2023	01/03/2023
Date analysed	-			02/03/2023	8	02/03/2023	02/03/2023		02/03/2023	02/03/2023
Naphthalene	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	86	74
Acenaphthylene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	91	81
Fluorene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	93	82
Phenanthrene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	96	82
Anthracene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	96	82
Pyrene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	97	83
Benzo(a)anthracene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	83	71
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	128	110
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	66	8	69	67	3	90	87

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	317305-39
Date extracted	-			[NT]	18	01/03/2023	01/03/2023		01/03/2023	01/03/2023
Date analysed	-			[NT]	18	02/03/2023	02/03/2023		02/03/2023	03/03/2023
Naphthalene	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	92	71
Acenaphthylene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	97	73
Fluorene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	99	72
Phenanthrene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	100	73
Anthracene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	104	69
Pyrene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	103	73
Benzo(a)anthracene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	87	63
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	134	94
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	18	94	88	7	98	81

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W4	317305-59
Date extracted	-			[NT]	38	01/03/2023	01/03/2023		02/03/2023	01/03/2023
Date analysed	-			[NT]	38	03/03/2023	03/03/2023		03/03/2023	03/03/2023
Naphthalene	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	71	67
Acenaphthylene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	77	71
Fluorene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	74	71
Phenanthrene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	82	71
Anthracene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	78	69
Pyrene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	85	77
Benzo(a)anthracene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	75	69
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	120	112
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	38	75	78	4	73	73

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	48	01/03/2023	01/03/2023		[NT]	[NT]
Date analysed	-			[NT]	48	03/03/2023	03/03/2023		[NT]	[NT]
Naphthalene	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
Acenaphthylene	µg/L	0.1	Org-022/025	[NT]	48	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	[NT]	48	<0.1	<0.1	0	[NT]	[NT]
Fluorene	µg/L	0.1	Org-022/025	[NT]	48	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	µg/L	0.1	Org-022/025	[NT]	48	<0.1	<0.1	0	[NT]	[NT]
Anthracene	µg/L	0.1	Org-022/025	[NT]	48	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	[NT]	48	<0.1	<0.1	0	[NT]	[NT]
Pyrene	µg/L	0.1	Org-022/025	[NT]	48	<0.1	<0.1	0	[NT]	[NT]
Benzo(a)anthracene	µg/L	0.1	Org-022/025	[NT]	48	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	[NT]	48	<0.1	<0.1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	[NT]	48	<0.1	<0.1	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	[NT]	48	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	[NT]	48	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	[NT]	48	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	48	73	76	4	[NT]	[NT]

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	58	01/03/2023	01/03/2023		[NT]	[NT]
Date analysed	-			[NT]	58	03/03/2023	03/03/2023		[NT]	[NT]
Naphthalene	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
Acenaphthylene	µg/L	0.1	Org-022/025	[NT]	58	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	[NT]	58	<0.1	<0.1	0	[NT]	[NT]
Fluorene	µg/L	0.1	Org-022/025	[NT]	58	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	µg/L	0.1	Org-022/025	[NT]	58	<0.1	<0.1	0	[NT]	[NT]
Anthracene	µg/L	0.1	Org-022/025	[NT]	58	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	[NT]	58	<0.1	<0.1	0	[NT]	[NT]
Pyrene	µg/L	0.1	Org-022/025	[NT]	58	<0.1	<0.1	0	[NT]	[NT]
Benzo(a)anthracene	µg/L	0.1	Org-022/025	[NT]	58	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	[NT]	58	<0.1	<0.1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	[NT]	58	<0.1	<0.1	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	[NT]	58	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	[NT]	58	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	[NT]	58	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	58	66	66	0	[NT]	[NT]

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	317305-19
Date extracted	-			01/03/2023	8	01/03/2023	01/03/2023		01/03/2023	01/03/2023
Date analysed	-			02/03/2023	8	02/03/2023	02/03/2023		02/03/2023	02/03/2023
alpha-BHC	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	96	84
HCB	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	94	80
gamma-BHC	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	93	73
delta-BHC	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	95	81
Heptachlor Epoxide	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	92	78
gamma-Chlordane	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	102	88
Dieldrin	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	108	92
Endrin	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	92	70
Endosulfan II	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	94	78
Endrin Aldehyde	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	96	82
Methoxychlor	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	68	8	71	67	6	89	88

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	317305-39
Date extracted	-			[NT]	18	01/03/2023	01/03/2023		01/03/2023	01/03/2023
Date analysed	-			[NT]	18	02/03/2023	02/03/2023		02/03/2023	03/03/2023
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	106	80
HCB	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	104	80
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	93	75
delta-BHC	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	101	75
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	100	68
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	111	82
Dieldrin	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	118	80
Endrin	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	92	70
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	102	[NT]
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	104	78
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	18	95	89	7	94	80

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W4	317305-59
Date extracted	-			[NT]	38	01/03/2023	01/03/2023		02/03/2023	01/03/2023
Date analysed	-			[NT]	38	03/03/2023	03/03/2023		03/03/2023	03/03/2023
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	90	86
HCB	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	94	86
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	105	95
delta-BHC	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	87	81
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	88	82
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	92	86
Dieldrin	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	88	80
Endrin	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	94	92
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	82	80
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	102	100
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	38	75	79	5	74	80

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	48	01/03/2023	01/03/2023		[NT]	[NT]
Date analysed	-			[NT]	48	03/03/2023	03/03/2023		[NT]	[NT]
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
HCB	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
delta-BHC	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
Dieldrin	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
Endrin	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	48	74	75	1	[NT]	[NT]

QUALITY CONTROL: Organochlorine Pesticides in Water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	58	01/03/2023	01/03/2023		[NT]	[NT]
Date analysed	-			[NT]	58	03/03/2023	03/03/2023		[NT]	[NT]
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
HCB	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
delta-BHC	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
Dieldrin	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
Endrin	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	58	77	75	3	[NT]	[NT]

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	
Date extracted	-			01/03/2023	8	01/03/2023	01/03/2023		01/03/2023	[NT]
Date analysed	-			02/03/2023	8	02/03/2023	02/03/2023		02/03/2023	[NT]
Aroclor 1016	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	<2	8	<2	<2	0	119	[NT]
Aroclor 1260	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	68	8	71	67	6	89	[NT]

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	
Date extracted	-			[NT]	18	01/03/2023	01/03/2023		01/03/2023	[NT]
Date analysed	-			[NT]	18	02/03/2023	02/03/2023		02/03/2023	[NT]
Aroclor 1016	µg/L	2	Org-021	[NT]	18	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	[NT]	18	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	[NT]	18	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	[NT]	18	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	[NT]	18	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	[NT]	18	<2	<2	0	113	[NT]
Aroclor 1260	µg/L	2	Org-021	[NT]	18	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	18	95	89	7	94	[NT]

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W4	
Date extracted	-			[NT]	38	01/03/2023	01/03/2023		02/03/2023	[NT]
Date analysed	-			[NT]	38	03/03/2023	03/03/2023		03/03/2023	[NT]
Aroclor 1016	µg/L	2	Org-021	[NT]	38	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	[NT]	38	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	[NT]	38	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	[NT]	38	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	[NT]	38	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	[NT]	38	<2	<2	0	132	[NT]
Aroclor 1260	µg/L	2	Org-021	[NT]	38	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	38	75	79	5	74	[NT]

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	317305-19
Date extracted	-			[NT]	48	01/03/2023	01/03/2023		[NT]	01/03/2023
Date analysed	-			[NT]	48	03/03/2023	03/03/2023		[NT]	02/03/2023
Aroclor 1016	µg/L	2	Org-021	[NT]	48	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	[NT]	48	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	[NT]	48	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	[NT]	48	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	[NT]	48	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	[NT]	48	<2	<2	0	[NT]	100
Aroclor 1260	µg/L	2	Org-021	[NT]	48	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	48	74	75	1	[NT]	88

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	
Date extracted	-			[NT]	58	01/03/2023	01/03/2023		[NT]	[NT]
Date analysed	-			[NT]	58	03/03/2023	03/03/2023		[NT]	[NT]
Aroclor 1016	µg/L	2	Org-021	[NT]	58	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	[NT]	58	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	[NT]	58	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	[NT]	58	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	[NT]	58	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	[NT]	58	<2	<2	0	[NT]	[NT]
Aroclor 1260	µg/L	2	Org-021	[NT]	58	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	58	77	75	3	[NT]	[NT]

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	317305-39
Date extracted	-			[NT]	[NT]	[NT]	[NT]	[NT]	[NT]	01/03/2023
Date analysed	-			[NT]	[NT]	[NT]	[NT]	[NT]	[NT]	03/03/2023
Aroclor 1254	µg/L	2	Org-021	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]	80
Surrogate TCMX	%		Org-021	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]	80

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	317305-59
Date extracted	-			[NT]	[NT]	[NT]	[NT]	[NT]	[NT]	01/03/2023
Date analysed	-			[NT]	[NT]	[NT]	[NT]	[NT]	[NT]	03/03/2023
Aroclor 1254	µg/L	2	Org-021	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]	100
Surrogate TCMX	%		Org-021	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]	80

QUALITY CONTROL: HM in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	317305-9
Date prepared	-			27/02/2023	8	27/02/2023	27/02/2023		27/02/2023	27/02/2023
Date analysed	-			27/02/2023	8	27/02/2023	27/02/2023		27/02/2023	27/02/2023
Aluminium-Total	µg/L	10	Metals-022	<10	8	1700	1700	0	92	#
Arsenic-Total	µg/L	1	Metals-022	<1	8	1	<1	0	93	96
Cadmium-Total	µg/L	0.1	Metals-022	<0.1	8	<0.1	<0.1	0	86	89
Chromium-Total	µg/L	1	Metals-022	<1	8	2	2	0	98	101
Copper-Total	µg/L	1	Metals-022	<1	8	5	5	0	99	102
Iron-Total	µg/L	10	Metals-022	<10	8	2300	2200	4	98	83
Lead-Total	µg/L	1	Metals-022	<1	8	1	1	0	91	93
Selenium-Total	µg/L	1	Metals-022	<1	8	<1	<1	0	92	95
Mercury-Total	µg/L	0.05	Metals-021	<0.05	8	<0.05	<0.05	0	118	113
Zinc-Total	µg/L	1	Metals-022	<1	8	17	14	19	94	99

QUALITY CONTROL: HM in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	317305-29
Date prepared	-			[NT]	18	27/02/2023	27/02/2023		27/02/2023	27/02/2023
Date analysed	-			[NT]	18	27/02/2023	27/02/2023		27/02/2023	27/02/2023
Aluminium-Total	µg/L	10	Metals-022	[NT]	18	290	270	7	84	124
Arsenic-Total	µg/L	1	Metals-022	[NT]	18	2	1	67	96	104
Cadmium-Total	µg/L	0.1	Metals-022	[NT]	18	<0.1	<0.1	0	82	89
Chromium-Total	µg/L	1	Metals-022	[NT]	18	1	<1	0	100	105
Copper-Total	µg/L	1	Metals-022	[NT]	18	<1	<1	0	102	96
Iron-Total	µg/L	10	Metals-022	[NT]	18	560	570	2	99	#
Lead-Total	µg/L	1	Metals-022	[NT]	18	<1	<1	0	88	89
Selenium-Total	µg/L	1	Metals-022	[NT]	18	<1	<1	0	93	99
Mercury-Total	µg/L	0.05	Metals-021	[NT]	18	<0.05	[NT]		119	127
Zinc-Total	µg/L	1	Metals-022	[NT]	18	2	1	67	95	93

QUALITY CONTROL: HM in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	317305-49
Date prepared	-			[NT]	21	27/02/2023	27/02/2023		27/02/2023	27/02/2023
Date analysed	-			[NT]	21	27/02/2023	27/02/2023		27/02/2023	27/02/2023
Aluminium-Total	µg/L	10	Metals-022	[NT]	21	70	[NT]		89	#
Arsenic-Total	µg/L	1	Metals-022	[NT]	21	1	[NT]		94	102
Cadmium-Total	µg/L	0.1	Metals-022	[NT]	21	<0.1	[NT]		82	96
Chromium-Total	µg/L	1	Metals-022	[NT]	21	<1	[NT]		97	105
Copper-Total	µg/L	1	Metals-022	[NT]	21	<1	[NT]		99	101
Iron-Total	µg/L	10	Metals-022	[NT]	21	120	[NT]		96	#
Lead-Total	µg/L	1	Metals-022	[NT]	21	<1	[NT]		91	96
Selenium-Total	µg/L	1	Metals-022	[NT]	21	<1	[NT]		90	101
Mercury-Total	µg/L	0.05	Metals-021	[NT]	21	<0.05	<0.05	0	117	125
Zinc-Total	µg/L	1	Metals-022	[NT]	21	5	[NT]		93	98

QUALITY CONTROL: HM in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	28	27/02/2023	27/02/2023		[NT]	[NT]
Date analysed	-			[NT]	28	27/02/2023	27/02/2023		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	28	120	110	9	[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	28	2	2	0	[NT]	[NT]
Cadmium-Total	µg/L	0.1	Metals-022	[NT]	28	<0.1	<0.1	0	[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	28	<1	<1	0	[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	28	<1	<1	0	[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	28	200	190	5	[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	28	<1	<1	0	[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	28	<1	<1	0	[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	28	<0.05	<0.05	0	[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	28	<1	<1	0	[NT]	[NT]

QUALITY CONTROL: HM in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	40	27/02/2023	27/02/2023		[NT]	[NT]
Date analysed	-			[NT]	40	27/02/2023	27/02/2023		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	40	60	60	0	[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	40	1	2	67	[NT]	[NT]
Cadmium-Total	µg/L	0.1	Metals-022	[NT]	40	<0.1	<0.1	0	[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	40	<1	<1	0	[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	40	<1	<1	0	[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	40	120	120	0	[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	40	<1	<1	0	[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	40	<1	<1	0	[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	40	<0.05	[NT]		[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	40	<1	<1	0	[NT]	[NT]

QUALITY CONTROL: HM in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	41	27/02/2023	27/02/2023		[NT]	[NT]
Date analysed	-			[NT]	41	27/02/2023	27/02/2023		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	41	40	[NT]		[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	41	2	[NT]		[NT]	[NT]
Cadmium-Total	µg/L	0.1	Metals-022	[NT]	41	<0.1	[NT]		[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	41	<1	[NT]		[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	41	<1	[NT]		[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	41	70	[NT]		[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	41	<1	[NT]		[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	41	<1	[NT]		[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	41	<0.05	<0.05	0	[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	41	<1	[NT]		[NT]	[NT]

QUALITY CONTROL: HM in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	48	27/02/2023	27/02/2023		[NT]	[NT]
Date analysed	-			[NT]	48	27/02/2023	27/02/2023		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	48	3300	3000	10	[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	48	1	1	0	[NT]	[NT]
Cadmium-Total	µg/L	0.1	Metals-022	[NT]	48	<0.1	<0.1	0	[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	48	4	3	29	[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	48	3	3	0	[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	48	4000	3400	16	[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	48	4	4	0	[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	48	<1	<1	0	[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	48	<0.05	<0.05	0	[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	48	8	7	13	[NT]	[NT]

QUALITY CONTROL: HM in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	60	27/02/2023	27/02/2023		[NT]	[NT]
Date analysed	-			[NT]	60	27/02/2023	27/02/2023		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	60	1300	1200	8	[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	60	1	1	0	[NT]	[NT]
Cadmium-Total	µg/L	0.1	Metals-022	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	60	2	3	40	[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	60	2	2	0	[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	60	2800	3100	10	[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	60	<1	<1	0	[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	60	<1	<1	0	[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	60	<0.05	[NT]		[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	60	8	8	0	[NT]	[NT]

QUALITY CONTROL: HM in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	61	27/02/2023	27/02/2023		[NT]	[NT]
Date analysed	-			[NT]	61	27/02/2023	27/02/2023		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	61	80	[NT]		[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	61	2	[NT]		[NT]	[NT]
Cadmium-Total	µg/L	0.1	Metals-022	[NT]	61	<0.1	[NT]		[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	61	<1	[NT]		[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	61	<1	[NT]		[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	61	140	[NT]		[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	61	<1	[NT]		[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	61	<1	[NT]		[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	61	<0.05	<0.05	0	[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	61	3	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	317305-2
Date prepared	-			24/02/2023	1	24/02/2023	24/02/2023		24/02/2023	24/02/2023
Date analysed	-			24/02/2023	1	24/02/2023	24/02/2023		24/02/2023	24/02/2023
Chlorophyll a	mg/m^3	1	INORG-119	<1	10	2	[NT]		84	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	<5	10	710	720	1	102	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	<0.1	1	<0.1	<0.1	0	107	108
Phosphate as P in water	mg/L	0.005	Inorg-060	<0.005	1	<0.005	<0.005	0	109	[NT]
pH	pH Units		Inorg-001	[NT]	[NT]	[NT]	[NT]	[NT]	99	[NT]
Electrical Conductivity	µS/cm	1	Inorg-002	<1	[NT]	[NT]	[NT]	[NT]	99	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	317305-22
Date prepared	-			[NT]	10	24/02/2023	24/02/2023		24/02/2023	24/02/2023
Date analysed	-			[NT]	10	24/02/2023	24/02/2023		24/02/2023	24/02/2023
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	11	1	[NT]		89	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	11	8	[NT]		101	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	10	1.2	[NT]		108	97
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	10	<0.005	[NT]		110	105

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	317305-42
Date prepared	-			[NT]	11	24/02/2023	24/02/2023		24/02/2023	24/02/2023
Date analysed	-			[NT]	11	24/02/2023	24/02/2023		24/02/2023	24/02/2023
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	17	9	[NT]		103	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	17	140	140	0	110	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	11	0.3	0.2	40	102	92
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	11	0.02	0.02	0	110	111

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W4	317305-52
Date prepared	-			[NT]	17	24/02/2023	24/02/2023		24/02/2023	24/02/2023
Date analysed	-			[NT]	17	24/02/2023	24/02/2023		24/02/2023	24/02/2023
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	21	1	[NT]		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	21	6	[NT]		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	17	0.2	[NT]		95	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	17	0.009	[NT]		110	104

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	21	24/02/2023	24/02/2023		[NT]	[NT]
Date analysed	-			[NT]	21	24/02/2023	24/02/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	21	0.1	0.1	0	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	21	0.009	0.008	12	[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	31	2	[NT]		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	31	5	5	0	[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	31	24/02/2023	24/02/2023		[NT]	[NT]
Date analysed	-			[NT]	31	24/02/2023	24/02/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	31	0.1	0.1	0	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	31	0.01	0.01	0	[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	41	<1	[NT]		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	41	5	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	41	24/02/2023	24/02/2023		[NT]	[NT]
Date analysed	-			[NT]	41	24/02/2023	24/02/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	41	0.1	0.1	0	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	41	0.006	0.006	0	[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	47	1	[NT]		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	47	130	140	7	[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	47	24/02/2023	24/02/2023		[NT]	[NT]
Date analysed	-			[NT]	47	24/02/2023	24/02/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	47	0.6	[NT]		[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	47	<0.005	[NT]		[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	51	<1	[NT]		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	51	34	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	51	24/02/2023	24/02/2023		[NT]	[NT]
Date analysed	-			[NT]	51	24/02/2023	24/02/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	51	1	0.9	11	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	51	<0.005	<0.005	0	[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	58	2	[NT]		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	58	120	130	8	[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	58	24/02/2023	24/02/2023		[NT]	[NT]
Date analysed	-			[NT]	58	24/02/2023	24/02/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	58	0.9	[NT]		[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	58	<0.005	[NT]		[NT]	[NT]

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	317305-9
Date prepared	-			27/02/2023	8	27/02/2023	27/02/2023		27/02/2023	27/02/2023
Date analysed	-			27/02/2023	8	27/02/2023	27/02/2023		27/02/2023	27/02/2023
Phosphorus - Total	mg/L	0.05	Metals-020	<0.05	8	0.09	0.09	0	108	109

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	317305-29
Date prepared	-			[NT]	18	27/02/2023	27/02/2023		27/02/2023	27/02/2023
Date analysed	-			[NT]	18	27/02/2023	27/02/2023		27/02/2023	27/02/2023
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	18	0.07	0.08	13	108	114

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	317305-49
Date prepared	-			[NT]	28	27/02/2023	27/02/2023		27/02/2023	27/02/2023
Date analysed	-			[NT]	28	27/02/2023	27/02/2023		27/02/2023	27/02/2023
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	28	<0.1	<0.1	0	108	114

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	40	27/02/2023	27/02/2023		[NT]	[NT]
Date analysed	-			[NT]	40	27/02/2023	27/02/2023		[NT]	[NT]
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	40	<0.1	<0.1	0	[NT]	[NT]

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	48	27/02/2023	27/02/2023		[NT]	[NT]
Date analysed	-			[NT]	48	27/02/2023	27/02/2023		[NT]	[NT]
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	48	<0.05	<0.05	0	[NT]	[NT]

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	60	27/02/2023	27/02/2023		[NT]	[NT]
Date analysed	-			[NT]	60	27/02/2023	27/02/2023		[NT]	[NT]
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	60	<0.05	<0.05	0	[NT]	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

The recommended maximums for analytes in urine are taken from “2018 TLVs and BEIs”, as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016.

Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Where matrix spike recoveries fall below the lower limit of the acceptance criteria (e.g. for non-labile or standard Organics <60%), positive result(s) in the parent sample will subsequently have a higher than typical estimated uncertainty (MU estimates supplied on request) and in these circumstances the sample result is likely biased significantly low.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Report Comments

8 Metals in Waters - total - The PQL has been raised 2X times due to suppression of the internal standard, which required samples #13, 14, 20, 22-24, 28, 34, 39-44 to be diluted.
This is likely due to the high level of salts in the sample.

8 HM in water - total - # Percent recovery is not applicable due to the high concentration of the element/s in the sample/s. However an acceptable recovery was obtained for the LCS.

TRH_W_NEPM:
The positive result in the rinsate sample is due to a single peak with no hydrocarbon profile that is consistent with the use of plastic containers.

Microbiology analysed by Sonic Food & Water Testing. Report No. W2304754-761
A: Approximate
^ The stated result may be statistically unreliable
The time between collection and the commencement of testing should not exceed 24 hours. Samples tested outside this time may have their results compromised

Lab Document Event 3

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SAMPLE RECEIPT ADVICE

Client Details

Client	Martens & Associates Pty Ltd
Attention	William Xu

Sample Login Details

Your reference	P1203365 - Water Sampling, West Culburra, NSW
Envirolab Reference	317305
Date Sample Received	24/02/2023
Date Instructions Received	24/02/2023
Date Results Expected to be Reported	03/03/2023

Sample Condition

Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	66 Water
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	12
Cooling Method	Ice
Sampling Date Provided	YES

Comments

Extra sample received:DUP05

Please direct any queries to:

Aileen Hie	Jacinta Hurst
Phone: 02 9910 6200	**Phone: 02 9910 6200**
Fax: 02 9910 6201	**Fax: 02 9910 6201**
Email: ahie@envirolab.com.au	**Email: jhurst@envirolab.com.au**

Analysis Underway, details on the following page:

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

Sample ID	vTRH in Water (C6-C9) NEPM	svTRH (C10-C40) in Water	PAHs in Water	Organochlorine Pesticides in Water	PCBs in Soil	HM in water - total	Chlorophyll a	Total Suspended Solids	Total Nitrogen in water	Phosphate as P in water	Metals in Waters -Acid extractable	Microbiologocal Testing	On Hold
3365/GW01									✓	✓	✓	✓	
3365/GW02									✓	✓	✓	✓	
3365/GW03									✓	✓	✓	✓	
3365/GW04									✓	✓	✓	✓	
3365/GW05									✓	✓	✓	✓	
3365/GW06									✓	✓	✓	✓	
3365/GW07									✓	✓	✓	✓	
3365/SW101	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW102	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW103	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW201 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW201 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW202 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW202 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW203 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW203 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW204 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW204 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW205 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW205 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW206 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW206 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW207 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW207 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW208 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW208 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW209 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW209 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW210 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW210 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW211 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW211 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

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Sample ID	vTRH in Water (C6-C9) NEPM	svTRH (C10-C40) in Water	PAHs in Water	Organochlorine Pesticides in Water	PCBs in Soil	HM in water - total	Chlorophyll a	Total Suspended Solids	Total Nitrogen in water	Phosphate as P in water	Metals in Waters -Acid extractable	Microbiologocal Testing	On Hold
3365/SW212 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW212 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW213 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW213 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW214 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW214 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW215 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW215 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW216 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW216 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW217 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW217 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW301 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW301 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW302 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW302 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW303 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW303 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW304 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW304 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW305 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW305 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW306 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW306 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW307 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW307 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW308 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/SW308 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3365/DUP01						✓							
3365/DUP02						✓							
3365/DUP03						✓							
3365/DUP04						✓							

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Sample ID	vTRH in Water (C6-C9) NEPM	svTRH (C10-C40) in Water	PAHs in Water	Organochlorine Pesticides in Water	PCBs in Soil	HM in water - total	Chlorophyll a	Total Suspended Solids	Total Nitrogen in water	Phosphate as P in water	Metals in Waters -Acid extractable	Microbiologocal Testing	On Hold
3365/GW DUP01													✓
DUP05													✓

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.
Requests for longer term sample storage must be received in writing.
Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.
TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

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SAMPLE ANALYSIS CHAIN OF CUSTODY FORM

WEST CULBURRA – ENVIROLAB QUOTATION – 22SY375_B0												
Name	P1203365 – Water Sampling, West Culburra, NSW											
Martens Contact Officer	William Xu					**Contact Email**	wxu@martens.com.au					
Sampling and Shipping	**Sample Date**	20 to 24.02.2023		**Dispatch Date**		24.02.2023	**Turnaround Time**			Standard		
	Our Reference	P1203365COC24V01				**Shipping Method (X)**	**Hand**	**X**	**Post**		**Courier**	
	On Ice (X)	**X**	**No Ice (X)**		**Other (X)**							
Laboratory												
Name	Envirolab Services P/L											
Sample Delivery Address	12 Ashley St, Chatswood											
Delivery Contact	**Name**	Sample Receipt	**Phone**	02 9910 6200	**Fax**		**Email**	samplereceipt@envirolabservices.com.au				
Please Send Report By (X)	**Post**		**Fax**		**Email**	**X**	**Reporting Email Address**	wxu@martens.com.au and CC ANorris@martens.com.au				

	Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN. TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
1	3365/GW01						X	
2	3365/GW02						X	
3	3365/GW03						X	
4	3365/GW04						X	
5	3365/GW05						X	
6	3365/GW06						X	
7	3365/GW07						X	
							X	
8	3365/SW101	X	X	X	X			
9	3365/SW102	X	X	X	X			
10	3365/SW103	X	X	X	X			

ENVIROLAB

Envirolab Servic
12 Ashley
Chatswood NSW 20
Ph: (02) 9910 62

Job No: 317305

Date Received: 24/2/23

Time Received: 1240

Received By: R

Temp: ~~Cool~~/Ambient

Cooling: Ice/Icepack

Security: ~~Intact~~/Broken/None

Head Office
Suite 201, 20 George Street
Hornsby NSW 2077, Australia
Ph 02 9476 9999 **Fax** 02 9476 8767

> mail@martens.com.au
> www.martens.com.au
MARTENS & ASSOCIATES P/L
ABN 85 070 240 890 ACN 070 240 890

SOIL ANALYSIS CHAIN OF CUSTODY

Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN. TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
11 3365/SW201 W/1	X	X	X	X			
12 3365/SW201 W/2	X	X	X	X			
13 3365/SW202 W/1	X	X	X	X			
14 3365/SW202 W/2	X	X	X	X			
15 3365/SW203 W/1	X	X	X	X			
16 3365/SW203 W/2	X	X	X	X			
17 3365/SW204 W/1	X	X	X	X			
18 3365/SW204 W/2	X	X	X	X			
19 3365/SW205 W/1	X	X	X	X			
20 3365/SW205 W/1	X	X	X	X			
21 3365/SW206 W/1	X	X	X	X			
22 3365/SW206 W/2	X	X	X	X			
23 3365/SW207 W/1	X	X	X	X			
24 3365/SW207 W/2	X	X	X	X			
25 3365/SW208 W/1	X	X	X	X			
26 3365/SW208 W/2	X	X	X	X			
27 3365/SW209 W/1	X	X	X	X			
28 3365/SW209 W/2	X	X	X	X			
29 3365/SW210 W/1	X	X	X	X			
30 3365/SW210 W/2	X	X	X	X			
31 3365/SW211 W/1	X	X	X	X			
32 3365/SW211 W/2	X	X	X	X			
33 3365/SW212 W/1	X	X	X	X			
34 3365/SW212 W/2	X	X	X	X			
35 3365/SW213 W/1	X	X	X	X			
36 3365/SW213 W/2	X	X	X	X			
37 3365/SW214 W/1	X	X	X	X			
38 3365/SW214 W/2	X	X	X	X			
39 3365/SW215 W/1	X	X	X	X			
40 3365/SW215 W/2	X	X	X	X			

SOIL ANALYSIS CHAIN OF CUSTODY

Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN, TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
41 3365/SW216 W/1	X	X	X	X			
42 3365/SW216 W/2	X	X	X	X			
43 3365/SW217 W/1	X	X	X	X			
44 3365/SW217 W/2	X	X	X	X			
45 3365/SW301 W/1	X	X	X	X			
46 3365/SW301 W/2	X	X	X	X			
47 3365/SW302 W/1	X	X	X	X			
48 3365/SW302 W/2	X	X	X	X			
49 3365/SW303 W/1	X	X	X	X			
50 3365/SW303 W/2	X	X	X	X			
51 3365/SW304 W/1	X	X	X	X			
52 3365/SW304 W/2	X	X	X	X			
53 3365/SW305 W/1	X	X	X	X			
54 3365/SW305 W/2	X	X	X	X			
55 3365/SW306 W/2	X	X	X	X			
56 3365/SW306 W/1	X	X	X	X			
57 3365/SW306 W/2	X	X	X	X			
58 3365/SW307 W/1	X	X	X	X			
59 3365/SW307 W/2	X	X	X	X			
60 3365/SW308 W/1	X	X	X	X			
61 3365/SW308 W/2	X	X	X	X			
67 3365/DUP01	X						
63 3365/DUP02	X						
64 3365/DUP03	X						
65 3365/DUP04	X						
66 3365/GW DUP01					X		

67 DUP05

Field Sheet Event 3

WATER SAMPLING FORM - Surface Water

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PROJECT INFORMATION

PROJECT NUMBER: 3365

CLIENT: Sealark Pty Ltd

SITE LOCATION: Culburra

MONTHLY / BIMONTHLY: Bimonthly (Event 3)

WET WEATHER (Y/N): N

DATE: 20 / 02 / 2023

SAMPLED BY: TR + WX + BTM

ROLE: sampler / engineer

SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
101	10:21	E: 293805.1577 N: 6132989.967	WQ Meter	19.8	6.60	-94.3	3.64		264.4	172.12	(Dup05), No Sheen, Organic odour, Y sample collected.
102		E: 293965.373 N: 6132268.998	WQ Meter								
103a	13:28	E: 294551.5727 N: 6132544.192	WQ Meter	20.7	7.60	11.2	1.78		79.4	-1.07	No Sheen, no odor, Y sample collected.
103b	23rd 12:43	E: 294551.5727 N: 6132544.192	WQ Meter	20.3	6.40	-12.1	3.75		180.5	522.46	No Sheen, no odor, Y sample collected.
301	22nd 11:00	E: 294133.1279 N: 6132132.344	WQ Meter	20.9	5.84	167.4	2.96		168.7	10.50	Dup03, clear, odourless, no sheen, Y sample collected.
302		E: 294417.7457 N: 6131862.805	WQ Meter								
303	16:00	E: 294968.1325 N: 6131646.043	WQ Meter	32.7	7.74	149.2	1.38		25590	66.73	No Sheen, no odor, Y sample collected.
304	13:11	E: 293592.1655 N: 6131495.252	WQ Meter	19.7	5.62	150.6	3.02		98.5	76.4	Dup 04, odourless, clear, no sheen, Y sample collected.
305	12:17	E: 293972.9125 N: 6131247.39	WQ Meter	26.0	6.78	147.9	1.54		23212	11.84	No Sheen, no odor, Y sample collected.
306	13:00	E: 294344.2352 N: 6130631.032	WQ Meter	32.5	8.17	118.3	1.39		31218	12.96	No Sheen, no odor, Y sample collected.
307	11:46	E: 292325.5219 N: 6131083.405	WQ Meter	21.1	5.06	141.4	2.99		380.0	28.29	Odourless, clear, no sheen, Y sample collected.
308	11:45	E: 293716.568 N: 6130800.672	WQ Meter	24.5	5.19	171.0	1.69		385.8	29.12	No Sheen, no odor, Y sample collected.

Sample bottle codes: P-plastic, G - glass, V - vial

Preservation Codes - U - unpreserved, S -sulfuric acid, N - nitric acid, H - hydrochloric acid

WATER SAMPLING FORM - Estuary Surface Water

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PROJECT INFORMATION

PROJECT NUMBER: 3365

CLIENT: Sealark Pty Ltd

SITE LOCATION: Culburra

MONTHLY / BIMONTHLY: Bimonthly (Event 3)

WET WEATHER (Y/N): N

DATE: 21 / 02 / 2023

SAMPLED BY: TR + WX + BTM

ROLE: sampler / engineer

SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
201	12:04	E: 291599.8406 N: 6132279.365	WQ Meter	25.5	7.96	161.8	1.58		41806	-1.57	Clear, no sheen, odourless, Y
202	11:53	E: 292093.6809 N: 6132720.429	WQ Meter	24.4	8.13	166.9	1.56		47660	-2.22	Clear, no sheen, odourless, Y
203	11:45	E: 292802.3981 N: 6133121.909	WQ Meter	23.8	8.13	155.2	1.61		49204	-1.46	Clear, no sheen, odourless, Y
204	23rd 11:56	E: 293266.0802 N: 6132876.874	WQ Meter	20.7	7.12	98.0	3.13		43526	17.00	Organic scum, Y sample collected
205	11:32	E: 293605.3597 N: 6133080.442	WQ Meter	23.6	8.20	163.3	1.62		49861	-1.14	Clear, no sheen, odourless, Y
206	11:27	E: 293650.597 N: 6133344.326	WQ Meter	23.2	8.20	169.1	1.64		50947	-3.05	Clear, no sheen, odourless, Y
207	11:14	E: 293920.1357 N: 6133182.226	WQ Meter	23.9	8.14	157.7	1.63		47723	-2.37	Clear, no sheen, odourless, Y
208	11:19	E: 293893.7473 N: 6133355.635	WQ Meter	22.7	8.23	156.9	1.63		52335	-3.01	Clear, no sheen, odourless, Y

Sample bottle codes: P-plastic, G - glass, V - vial

Preservation Codes - U - unpreserved, S -sulfuric acid, N - nitric acid, H - hydrochloric acid

WATER SAMPLING FORM - Estuary Surface Water

0

PROJECT INFORMATION

PROJECT NUMBER: 3365 | MONTHLY / BIMONTHLY: Bimonthly (Event 3) | SAMPLED BY: TR + WX + BTM

CLIENT: Sealark Pty Ltd | WET WEATHER (Y/N): N | ROLE: sampler / engineer

SITE LOCATION: Culburra | DATE: 21 / 02 / 2023 | SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
209	11:06	E: 294229.2571 N: 6133216.154	WQ Meter	23.1	8.19	159.7	1.65		50903	-0.30	Dup02, Clear, no sheen, odourless, Y
210	10:52	E: 294591.1553 N: 6132850.486	WQ Meter	24.4	8.07	152.7	1.62		45613	0.57	Clear, no sheen, odourless, Y
211	10:45	E: 294994.521 N: 6132922.111	WQ Meter	24.9	8.02	146.7	1.61		43688	1.04	Clear, no sheen, odourless, Y
212	11:01	E: 294583.6157 N: 6133133.219	WQ Meter	23.9	8.11	156.5	1.61		49116	-0.62	Clear, no sheen, odourless, Y
213	10:38	E: 294847.4998 N: 6133472.498	WQ Meter	24.2	8.02	141.8	1.64		45632	3.32	Clear, no sheen, odourless, Y
214	10:20	E: 294994.521 N: 6133970.108	WQ Meter	24.3	8.07	129.5	1.62		45614	-0.00	Clear, no sheen, odourless, Y
215	10:17	E: 293950.2939 N: 6133668.526	WQ Meter	22.5	8.25	128.4	1.67		52384	-3.01	Dup01, Clear, no sheen, odourless, Y
216	9:55	E: 293079.4764 N: 6134471.488	WQ Meter	22.2	8.26	103.6	1.68		53047	-3.17	Clear, no sheen, odourless, Y
217	10:05	E: 293520.5398 N: 6134963.443	WQ Meter	22.3	8.27	116.5	1.63		53105	-1.89	Clear, no sheen, odourless, Y

Sample bottle codes: P-plastic, G - glass, V - vial

Preservation Codes - U - unpreserved, S -sulfuric acid, N - nitric acid, H - hydrochloric acid

WQ calibration certificate Event 3

Multi Parameter Water Meter

Instrument YSI Pro DSS
Serial No. 21K104040

Air-Met Scientific Pty Ltd
1300 137 067

Item	Test	Pass	Comments
Battery	Charge Condition	✓	
	Fuses	✓	
	Capacity	✓	
	Recharge OK?	✓	
Switch/keypad	Operation	✓	
Display	Intensity	✓	
	Operation (segments)	✓	
Grill Filter	Condition	✓	
	Seal	✓	
PCB	Condition	✓	
Connectors	Condition	✓	
Sensor	1. pH/ORP	✓	
	2. Turbidity	✓	
	3. Conductivity	✓	
	4. D.O	✓	
	5. Temp	✓	
	6. Depth	✓	
Alarms	Beeper		
	Settings		
Software	Version		
Data logger	Operation		
Download	Operation		
Other tests:			

Certificate of Calibration

This is to certify that the above instrument has been calibrated to the following specifications:

Sensor	Serial no	Standard Solutions	Certified	Solution Bottle Number	Instrument Reading
1. EC		2.76mS		396172	2763mS
2. Temp		22.2°C		Testo	23.2°C
3. pH 4		pH 4.00		399527	pH 3.96
4. pH 7		pH 7.00		393774	pH 7.11
6. DO		0.00ppm		391223	0.3ppm
7.Turbidity		100NTU		396421	100.20NTU
8. mV		232.9mV		395557/395763	233mV

Calibrated by: **Lebelle Chee**

Calibration date: **13/02/2023**

Next calibration due: **15/03/2023**

Appendix I – Event 4 Data

Table 28: Estuary surface water - laboratory data event 4

		TRH					Biological			Halogenated Benzenes	Inorganics				Metals								
		C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)	Aluminium	Arsenic	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
		µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL		10	50	100	100	50	1	1	0.001	0.2	0.1	0.05	0.005	5	0.01	0.001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Date**																						
SW205	**20 Mar 2023**	<10	<50	<100	<100	<50	40 A	40 A	0.002	<0.2	0.2	<0.1	0.02	21	0.07	0.001	<0.001	<0.001	0.19	<0.001	<0.00005	<0.001	0.004
SW207	**20 Mar 2023**	<10	100	<100	<100	100	170 mpn/100mL	170 mpn/100mL	0.008	<0.2	0.2	0.2	0.02	360	2	0.006	0.004	0.002	4.7	0.003	<0.00005	<0.001	0.016
SW210	**20 Mar 2023**	<10	<50	<100	<100	<50	20^ A	20^ A	0.002	<0.2	0.2	0.1	0.008	120	1.1	0.004	0.003	0.001	3.1	0.002	<0.00005	<0.001	0.011
SW211	**20 Mar 2023**	<10	150	<100	<100	150	10 & >1	10 & >1	0.001	<0.2	0.2	<0.1	0.01	10	0.11	0.002	<0.001	<0.001	0.22	<0.001	<0.00005	<0.001	<0.001
Statistics																							
Number of Results		**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**
Number of Detects		**0**	**2**	**0**	**0**	**2**	**0**	**0**	**4**	**0**	**4**	**2**	**4**	**4**	**4**	**4**	**2**	**2**	**4**	**2**	**0**	**0**	**3**
Minimum Concentration		**<10**	**<50**	**<100**	**<100**	**<50**	**<0.001**	**<0.001**	**0.001**	**<0.2**	**0.2**	**0.1**	**0.008**	**10**	**0.07**	**0.001**	**<0.001**	**0.001**	**0.19**	**<0.001**	**<0.00005**	**<0.001**	**<0.001**
Maximum Concentration		**<10**	**150**	**<100**	**<100**	**150**	**<0.001**	**<0.001**	**0.008**	**<0.2**	**0.2**	**0.2**	**0.02**	**360**	**2**	**0.006**	**0.004**	**0.002**	**4.7**	**0.003**	**<0.00005**	**<0.001**	**0.016**
Average Concentration *		**10**	**88**	**100**	**100**	**88**	**<0.001**	**<0.001**	**0.0032**	**0.2**	**0.2**	**0.12**	**0.014**	**128**	**0.82**	**0.0032**	**0.0023**	**0.0012**	**2.1**	**0.0018**	**0.00005**	**0.001**	**0.008**
Median Concentration *		**10**	**75**	**100**	**100**	**75**	**<0.001**	**<0.001**	**0.002**	**0.2**	**0.2**	**0.1**	**0.015**	**70.5**	**0.605**	**0.003**	**0.002**	**0.001**	**1.66**	**0.0015**	**0.00005**	**0.001**	**0.0075**

* A Non Detect Multiplier of 1 has been applied.

		Organochlorine Pesticides																		
		4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Date**																			
SW205	**20 Mar 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**20 Mar 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**20 Mar 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**20 Mar 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Statistics																				
Number of Results		**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Maximum Concentration		**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Average Concentration *		**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**
Median Concentration *		**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

* A Non Detect Multiplier of 1 has been applied.

		PAH																
		Benzo(b+j+k)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
		mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL		0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0005	0.0001
Location Code	**Date**																	
SW205	**20 Mar 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW207	**20 Mar 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW210	**20 Mar 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW211	**20 Mar 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
Statistics																		
Number of Results		**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Maximum Concentration		**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Average Concentration *		**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.0005**	**0.0001**
Median Concentration *		**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.0005**	**0.0001**

* A Non Detect Multiplier of 1 has been applied.

		PCBs							TPH				
		Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Date**												
SW205	**20 Mar 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	**20 Mar 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	**20 Mar 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	**20 Mar 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	140	<100	140
Statistics													
Number of Results		**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**
Minimum Concentration		**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Maximum Concentration		**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**140**	**<100**	**140**
Average Concentration *		**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**110**	**100**	**72**
Median Concentration *		**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**100**	**100**	**50**

* A Non Detect Multiplier of 1 has been applied.

Table 29: Estuary surface water – water quality data event 4

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (%SAT)	EC (uS/cm)	Turbidity (ntu)
205	22.1	7.50	146.4	96.7	37965	0.39
207	23.0	7.42	189.9	98.3	41778	18.22
210	23.2	7.96	131.0	96.8	38776	0.86
211	21.6	7.93	64.3	99.0	38267	0.46

Table 30: Estuary surface water – water quality data event 4 statistical summary

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (%SAT)	EC (uS/cm)	Turbidity (ntu)
min	21.6	7.42	64.3	96.7	37965	0.39
max	23.2	7.96	189.9	99.0	41778	18.22
mean	22.5	7.70	132.9	97.7	39197	4.98
median	22.6	7.72	138.7	97.6	38522	0.66
range	1.6	0.54	125.6	2.3	3813	17.83

Appendix J – Event 4 Documents

Lab Report Event 4

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

CERTIFICATE OF ANALYSIS 319307

Client Details

Client	Martens & Associates Pty Ltd
Attention	Trystan Richards
Address	Suite 201, 20 George St, Hornsby, NSW, 2077

Sample Details

Your Reference	**P1203365 - Water Sampling, West Culburra, NSW**
Number of Samples	17 Water
Date samples received	23/03/2023
Date completed instructions received	23/03/2023

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	30/03/2023
Date of Issue	30/03/2023

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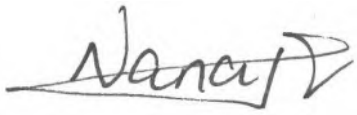
Results Approved By
Diego Bigolin, Inorganics Supervisor
Greta Petzold, Assistant Operation Manager
Hannah Nguyen, Metals Supervisor
Kyle Gavrily, Senior Chemist
Liam Timmins, Organics Supervisor
Loren Bardwell, Development Chemist

Authorised By



Nancy Zhang, Laboratory Manager

vTRH in Water (C6-C9) NEPM						
Our Reference		319307-8	319307-9	319307-10	319307-11	319307-12
Your Reference	UNITS	3365/SW101	3355/SW102	3365/SW103	3365/SW205	3365/SW207
Date Sampled		20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	27/03/2023	27/03/2023	27/03/2023	27/03/2023	27/03/2023
Date analysed	-	28/03/2023	28/03/2023	28/03/2023	28/03/2023	28/03/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	101	103	102	103	103
Surrogate toluene-d8	%	99	100	100	100	100
Surrogate 4-BFB	%	101	101	101	100	101

vTRH in Water (C6-C9) NEPM			
Our Reference		319307-13	319307-14
Your Reference	UNITS	3365/SW210	3365/SW211
Date Sampled		20-23/03/2023	20-23/03/2023
Type of sample		Water	Water
Date extracted	-	27/03/2023	27/03/2023
Date analysed	-	28/03/2023	28/03/2023
TRH C_6 - C_9	µg/L	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10
Surrogate Dibromofluoromethane	%	102	104
Surrogate toluene-d8	%	99	100
Surrogate 4-BFB	%	101	102

svTRH (C10-C40) in Water						
Our Reference		319307-8	319307-9	319307-10	319307-11	319307-12
Your Reference	UNITS	3365/SW101	3355/SW102	3365/SW103	3365/SW205	3365/SW207
Date Sampled		20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	27/03/2023	27/03/2023	27/03/2023	27/03/2023	27/03/2023
Date analysed	-	29/03/2023	29/03/2023	29/03/2023	29/03/2023	29/03/2023
TRH C_{10} - C_{14}	µg/L	120	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	1,100	140	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	1,300	140	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	700	110	75	<50	100
TRH >C_{16} - C_{34}	µg/L	580	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	1,300	110	80	<50	100
Surrogate o-Terphenyl	%	98	80	75	92	84

svTRH (C10-C40) in Water			
Our Reference		319307-13	319307-14
Your Reference	UNITS	3365/SW210	3365/SW211
Date Sampled		20-23/03/2023	20-23/03/2023
Type of sample		Water	Water
Date extracted	-	27/03/2023	27/03/2023
Date analysed	-	29/03/2023	29/03/2023
TRH C_{10} - C_{14}	µg/L	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	140
TRH C_{29} - C_{36}	µg/L	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	140
TRH >C_{10} - C_{16}	µg/L	<50	150
TRH >C_{16} - C_{34}	µg/L	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	150
Surrogate o-Terphenyl	%	79	86

PAHs in Water						
Our Reference		319307-8	319307-9	319307-10	319307-11	319307-12
Your Reference	UNITS	3365/SW101	3355/SW102	3365/SW103	3365/SW205	3365/SW207
Date Sampled		20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	27/03/2023	27/03/2023	27/03/2023	27/03/2023	27/03/2023
Date analysed	-	27/03/2023	27/03/2023	27/03/2023	27/03/2023	27/03/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	82	85	82	93	92

PAHs in Water			
Our Reference		319307-13	319307-14
Your Reference	UNITS	3365/SW210	3365/SW211
Date Sampled		20-23/03/2023	20-23/03/2023
Type of sample		Water	Water
Date extracted	-	27/03/2023	27/03/2023
Date analysed	-	27/03/2023	27/03/2023
Naphthalene	µg/L	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	89	88

Organochlorine Pesticides in Water						
Our Reference		319307-8	319307-9	319307-10	319307-11	319307-12
Your Reference	UNITS	3365/SW101	3355/SW102	3365/SW103	3365/SW205	3365/SW207
Date Sampled		20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	27/03/2023	27/03/2023	27/03/2023	27/03/2023	27/03/2023
Date analysed	-	27/03/2023	27/03/2023	27/03/2023	27/03/2023	27/03/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	79	81	81	87	89

Organochlorine Pesticides in Water			
Our Reference		319307-13	319307-14
Your Reference	UNITS	3365/SW210	3365/SW211
Date Sampled		20-23/03/2023	20-23/03/2023
Type of sample		Water	Water
Date extracted	-	27/03/2023	27/03/2023
Date analysed	-	27/03/2023	27/03/2023
alpha-BHC	µg/L	<0.2	<0.2
HCB	µg/L	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2
Surrogate TCMX	%	83	84

PCBs in Water						
Our Reference		319307-8	319307-9	319307-10	319307-11	319307-12
Your Reference	UNITS	3365/SW101	3355/SW102	3365/SW103	3365/SW205	3365/SW207
Date Sampled		20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	27/03/2023	27/03/2023	27/03/2023	27/03/2023	27/03/2023
Date analysed	-	27/03/2023	27/03/2023	27/03/2023	27/03/2023	27/03/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	79	81	81	87	89

PCBs in Water			
Our Reference		319307-13	319307-14
Your Reference	UNITS	3365/SW210	3365/SW211
Date Sampled		20-23/03/2023	20-23/03/2023
Type of sample		Water	Water
Date extracted	-	27/03/2023	27/03/2023
Date analysed	-	27/03/2023	27/03/2023
Aroclor 1016	µg/L	<2	<2
Aroclor 1221	µg/L	<2	<2
Aroclor 1232	µg/L	<2	<2
Aroclor 1242	µg/L	<2	<2
Aroclor 1248	µg/L	<2	<2
Aroclor 1254	µg/L	<2	<2
Aroclor 1260	µg/L	<2	<2
Surrogate TCMX	%	83	84

HM in water - total						
Our Reference		319307-8	319307-9	319307-10	319307-11	319307-12
Your Reference	UNITS	3365/SW101	3355/SW102	3365/SW103	3365/SW205	3365/SW207
Date Sampled		20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	24/03/2023	24/03/2023	24/03/2023	24/03/2023	24/03/2023
Date analysed	-	27/03/2023	27/03/2023	27/03/2023	27/03/2023	27/03/2023
Aluminium-Total	µg/L	530	330	1,000	70	2,000
Arsenic-Total	µg/L	2	<1	1	1	6
Chromium-Total	µg/L	1	<1	2	<1	4
Copper-Total	µg/L	8	3	2	<1	2
Iron-Total	µg/L	2,500	220	3,400	190	4,700
Lead-Total	µg/L	<1	2	2	<1	3
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Zinc-Total	µg/L	20	30	10	4	16

HM in water - total					
Our Reference		319307-13	319307-14	319307-16	319307-17
Your Reference	UNITS	3365/SW210	3365/SW211	3365/DUP01	3365/DUP02
Date Sampled		20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023
Type of sample		Water	Water	Water	Water
Date prepared	-	24/03/2023	24/03/2023	24/03/2023	24/03/2023
Date analysed	-	27/03/2023	27/03/2023	27/03/2023	27/03/2023
Aluminium-Total	µg/L	1,100	110	920	210
Arsenic-Total	µg/L	4	2	1	2
Chromium-Total	µg/L	3	<1	2	<1
Copper-Total	µg/L	1	<1	2	<1
Iron-Total	µg/L	3,100	220	3,500	500
Lead-Total	µg/L	2	<1	2	<1
Selenium-Total	µg/L	<1	<1	<1	<1
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05
Zinc-Total	µg/L	11	<1	7	<1

Miscellaneous Inorganics						
Our Reference		319307-1	319307-2	319307-3	319307-4	319307-5
Your Reference	UNITS	3365/GW201	3365/GW202	3365/GW203	3365/GW204	3365/GW205
Date Sampled		20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	23/03/2023	23/03/2023	23/03/2023	23/03/2023	23/03/2023
Date analysed	-	23/03/2023	23/03/2023	23/03/2023	23/03/2023	23/03/2023
Total Nitrogen in water	mg/L	0.1	1.2	0.7	0.1	0.4
Phosphate as P in water	mg/L	<0.005	0.057	0.02	0.007	<0.005

Miscellaneous Inorganics						
Our Reference		319307-6	319307-7	319307-8	319307-9	319307-10
Your Reference	UNITS	3365/GW206	3365/GW207	3365/SW101	3355/SW102	3365/SW103
Date Sampled		20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	23/03/2023	23/03/2023	23/03/2023	23/03/2023	23/03/2023
Date analysed	-	23/03/2023	23/03/2023	23/03/2023	23/03/2023	23/03/2023
Chlorophyll a	mg/m^3	[NA]	[NA]	<1	1	4
Total Suspended Solids	mg/L	[NA]	[NA]	20	<5	24
Total Nitrogen in water	mg/L	0.2	0.4	6.1	1.4	1.2
Phosphate as P in water	mg/L	0.02	<0.005	0.01	0.14	<0.005

Miscellaneous Inorganics						
Our Reference		319307-11	319307-12	319307-13	319307-14	319307-15
Your Reference	UNITS	3365/SW205	3365/SW207	3365/SW210	3365/SW211	3365/GWDUP01
Date Sampled		20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	23/03/2023	23/03/2023	23/03/2023	23/03/2023	23/03/2023
Date analysed	-	23/03/2023	23/03/2023	23/03/2023	23/03/2023	23/03/2023
Chlorophyll a	mg/m^3	2	8	2	1	[NA]
Total Suspended Solids	mg/L	21	360	120	10	[NA]
Total Nitrogen in water	mg/L	0.2	0.2	0.2	0.2	[NA]
Phosphate as P in water	mg/L	0.02	0.02	0.008	0.01	[NA]
pH	pH Units	[NA]	[NA]	[NA]	[NA]	6.0
Electrical Conductivity	µS/cm	[NA]	[NA]	[NA]	[NA]	10,000

Metals in Waters - Acid extractable						
Our Reference		319307-1	319307-2	319307-3	319307-4	319307-5
Your Reference	UNITS	3365/GW201	3365/GW202	3365/GW203	3365/GW204	3365/GW205
Date Sampled		20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	24/03/2023	24/03/2023	24/03/2023	24/03/2023	24/03/2023
Date analysed	-	27/03/2023	27/03/2023	27/03/2023	27/03/2023	27/03/2023
Phosphorus - Total	mg/L	<0.05	0.1	<0.05	2.1	0.1

Metals in Waters - Acid extractable						
Our Reference		319307-6	319307-7	319307-8	319307-9	319307-10
Your Reference	UNITS	3365/GW206	3365/GW207	3365/SW101	3355/SW102	3365/SW103
Date Sampled		20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	24/03/2023	24/03/2023	24/03/2023	24/03/2023	24/03/2023
Date analysed	-	27/03/2023	27/03/2023	27/03/2023	27/03/2023	27/03/2023
Phosphorus - Total	mg/L	<0.05	<0.05	0.2	0.2	<0.05

Metals in Waters - Acid extractable					
Our Reference		319307-11	319307-12	319307-13	319307-14
Your Reference	UNITS	3365/SW205	3365/SW207	3365/SW210	3365/SW211
Date Sampled		20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023
Type of sample		Water	Water	Water	Water
Date prepared	-	24/03/2023	24/03/2023	24/03/2023	24/03/2023
Date analysed	-	27/03/2023	27/03/2023	27/03/2023	27/03/2023
Phosphorus - Total	mg/L	<0.1	0.2	0.1	<0.1

Microbiologocal Testing						
Our Reference		319307-1	319307-2	319307-3	319307-4	319307-5
Your Reference	UNITS	3365/GW201	3365/GW202	3365/GW203	3365/GW204	3365/GW205
Date Sampled		20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	24/03/2023	24/03/2023	24/03/2023	24/03/2023	24/03/2023
Faecal Coliforms	cfu/100mL	<100	20 mpn/100mL	<100 & >10	68 mpn/100mL	93 mpn/100mL

Microbiologocal Testing						
Our Reference		319307-6	319307-7	319307-8	319307-9	319307-10
Your Reference	UNITS	3365/GW206	3365/GW207	3365/SW101	3355/SW102	3365/SW103
Date Sampled		20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	24/03/2023	24/03/2023	24/03/2023	24/03/2023	24/03/2023
Faecal Coliforms	cfu/100mL	<100	130 mpn/100mL	330 mpn/100mL	>2,000	<100
E. coli	cfu/100mL	[NA]	[NA]	230 mpn/100mL	>2,000	<100

Microbiologocal Testing					
Our Reference		319307-11	319307-12	319307-13	319307-14
Your Reference	UNITS	3365/SW205	3365/SW207	3365/SW210	3365/SW211
Date Sampled		20-23/03/2023	20-23/03/2023	20-23/03/2023	20-23/03/2023
Type of sample		Water	Water	Water	Water
Date of testing	-	24/03/2023	24/03/2023	24/03/2023	24/03/2023
Faecal Coliforms	cfu/100mL	40 A	170 mpn/100mL	20^ A	<10 & >1
E. coli	cfu/100mL	40 A	170 mpn/100mL	20^ A	<10 & >1

Method ID	Methodology Summary
Ext-008	Subcontracted to Sonic Food & Water Testing. NATA Accreditation No. 4034.
Inorg-001	pH - Measured using pH meter and electrode in accordance with APHA latest edition, 4500-H+. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.
Inorg-002	Conductivity and Salinity - measured using a conductivity cell at 25°C in accordance with APHA latest edition 2510 and Rayment & Lyons.
Inorg-019	Suspended Solids - determined gravimetricially by filtration of the sample. The samples are dried at 104+/-5°C.
Inorg-055/062/127	Total Nitrogen - Calculation sum of TKN and oxidised Nitrogen. Alternatively analysed by combustion and chemiluminescence.
Inorg-060	Phosphate determined colourimetrically based on EPA365.1 and APHA latest edition 4500 P E. Waters samples are filtered on receipt prior to analysis. Soils are analysed following a water extraction.
INORG-119	Chlorophyll A based on APHA 10200 H latest edition.
Metals-020	Determination of various metals by ICP-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Metals-022	Determination of various metals by ICP-MS.
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-021	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W5	[NT]
Date extracted	-			27/03/2023	11	27/03/2023	27/03/2023		27/03/2023	[NT]
Date analysed	-			28/03/2023	11	28/03/2023	28/03/2023		28/03/2023	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	<10	11	<10	<10	0	91	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	<10	11	<10	<10	0	91	[NT]
Surrogate Dibromofluoromethane	%		Org-023	101	11	103	107	4	101	[NT]
Surrogate toluene-d8	%		Org-023	100	11	100	100	0	101	[NT]
Surrogate 4-BFB	%		Org-023	99	11	100	102	2	97	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	[NT]
Date extracted	-			27/03/2023	[NT]	[NT]	[NT]	[NT]	27/03/2023	[NT]
Date analysed	-			29/03/2023	[NT]	[NT]	[NT]	[NT]	29/03/2023	[NT]
TRH C_{10} - C_{14}	µg/L	50	Org-020	<50	[NT]	[NT]	[NT]	[NT]	104	[NT]
TRH C_{15} - C_{28}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	117	[NT]
TRH C_{29} - C_{36}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	86	[NT]
TRH >C_{10} - C_{16}	µg/L	50	Org-020	<50	[NT]	[NT]	[NT]	[NT]	104	[NT]
TRH >C_{16} - C_{34}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	117	[NT]
TRH >C_{34} - C_{40}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	86	[NT]
Surrogate o-Terphenyl	%		Org-020	97	[NT]	[NT]	[NT]	[NT]	85	[NT]

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	319307-8
Date extracted	-			27/03/2023	[NT]	[NT]	[NT]	[NT]	27/03/2023	27/03/2023
Date analysed	-			27/03/2023	[NT]	[NT]	[NT]	[NT]	27/03/2023	27/03/2023
Naphthalene	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	84	74
Acenaphthylene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	91	80
Fluorene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	96	83
Phenanthrene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	97	94
Anthracene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	95	85
Pyrene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	100	89
Benzo(a)anthracene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	76	62
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	98	80
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	103	[NT]	[NT]	[NT]	[NT]	105	87

QUALITY CONTROL: Organochlorine Pesticides in Water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	319307-8
Date extracted	-			27/03/2023	[NT]	[NT]	[NT]	[NT]	27/03/2023	27/03/2023
Date analysed	-			27/03/2023	[NT]	[NT]	[NT]	[NT]	27/03/2023	27/03/2023
alpha-BHC	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	99	82
HCB	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	95	87
gamma-BHC	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	93	80
delta-BHC	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	97	78
Heptachlor Epoxide	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	89	81
gamma-Chlordane	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	104	90
Dieldrin	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	107	93
Endrin	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	89	88
Endosulfan II	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	87	77
Endrin Aldehyde	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	96	89
Methoxychlor	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	100	[NT]	[NT]	[NT]	[NT]	101	84

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	319307-8
Date extracted	-			27/03/2023	[NT]	[NT]	[NT]	[NT]	27/03/2023	27/03/2023
Date analysed	-			27/03/2023	[NT]	[NT]	[NT]	[NT]	27/03/2023	27/03/2023
Aroclor 1016	µg/L	2	Org-021	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	<2	[NT]	[NT]	[NT]	[NT]	132	135
Aroclor 1260	µg/L	2	Org-021	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate TCMX	%		Org-021	100	[NT]	[NT]	[NT]	[NT]	101	84

QUALITY CONTROL: HM in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	319307-9
Date prepared	-			24/03/2023	8	24/03/2023	24/03/2023		24/03/2023	24/03/2023
Date analysed	-			27/03/2023	8	27/03/2023	27/03/2023		27/03/2023	27/03/2023
Aluminium-Total	µg/L	10	Metals-022	<10	8	530	540	2	109	#
Arsenic-Total	µg/L	1	Metals-022	<1	8	2	2	0	99	101
Chromium-Total	µg/L	1	Metals-022	<1	8	1	1	0	102	104
Copper-Total	µg/L	1	Metals-022	<1	8	8	9	12	103	102
Iron-Total	µg/L	10	Metals-022	<10	8	2500	2700	8	102	#
Lead-Total	µg/L	1	Metals-022	<1	8	<1	<1	0	109	109
Selenium-Total	µg/L	1	Metals-022	<1	8	<1	<1	0	106	103
Mercury-Total	µg/L	0.05	Metals-021	<0.05	8	<0.05	<0.05	0	112	110
Zinc-Total	µg/L	1	Metals-022	<1	8	20	22	10	102	94

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	319307-2
Date prepared	-			23/03/2023	1	23/03/2023	23/03/2023		23/03/2023	23/03/2023
Date analysed	-			23/03/2023	1	23/03/2023	23/03/2023		23/03/2023	23/03/2023
Chlorophyll a	mg/m^3	1	INORG-119	<1	11	2	[NT]		88	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	<5	11	21	[NT]		98	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	<0.1	1	0.1	0.1	0	103	85
Phosphate as P in water	mg/L	0.005	Inorg-060	<0.005	1	<0.005	<0.005	0	117	102
pH	pH Units		Inorg-001	[NT]	[NT]	[NT]	[NT]	[NT]	99	[NT]
Electrical Conductivity	µS/cm	1	Inorg-002	<1	[NT]	[NT]	[NT]	[NT]	104	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	11	23/03/2023	23/03/2023		[NT]	[NT]
Date analysed	-			[NT]	11	23/03/2023	23/03/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	11	0.2	0.2	0	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	11	0.02	0.02	0	[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	12	8	[NT]		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	12	360	340	6	[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	12	23/03/2023	23/03/2023		[NT]	[NT]
Date analysed	-			[NT]	12	23/03/2023	23/03/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	12	0.2	[NT]		[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	12	0.02	[NT]		[NT]	[NT]

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	319307-7
Date prepared	-			24/03/2023	5	24/03/2023	24/03/2023		24/03/2023	24/03/2023
Date analysed	-			27/03/2023	5	27/03/2023	27/03/2023		27/03/2023	27/03/2023
Phosphorus - Total	mg/L	0.05	Metals-020	<0.05	5	0.1	0.1	0	115	126

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

The recommended maximums for analytes in urine are taken from “2018 TLVs and BEIs”, as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016.

Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Where matrix spike recoveries fall below the lower limit of the acceptance criteria (e.g. for non-labile or standard Organics <60%), positive result(s) in the parent sample will subsequently have a higher than typical estimated uncertainty (MU estimates supplied on request) and in these circumstances the sample result is likely biased significantly low.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Report Comments

Total metals: no unfiltered, preserved sample was received for #1-4,8-14, therefore analysis was conducted from the unpreserved sample bottle.
Note: there is a possibility some elements may be underestimated.

8 Metals in Waters - total - The PQL has been raised due to the sample matrix requiring dilution.

8 HM in water - total - # Percent recovery is not applicable due to the high concentration of the element/s in the sample/s. However an acceptable recovery was obtained for the LCS.

Microbiology analysed by Sonic Food & Water Testing. Report No. W23070610-613
A: Approximate
^ The stated result may be statistically unreliable
The time between collection and the commencement of testing should not exceed 24 hours. Samples tested outside this time may have their results compromised

Lab Document Event 4

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

SAMPLE RECEIPT ADVICE

Client Details

Client	Martens & Associates Pty Ltd
Attention	Trystan Richards

Sample Login Details

Your reference	P1203365 - Water Sampling, West Culburra, NSW
Envirolab Reference	319307
Date Sample Received	23/03/2023
Date Instructions Received	23/03/2023
Date Results Expected to be Reported	30/03/2023

Sample Condition

Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	17 Water
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	2
Cooling Method	Ice
Sampling Date Provided	YES

Comments

Nil

Please direct any queries to:

Aileen Hie	Jacinta Hurst
Phone: 02 9910 6200	**Phone: 02 9910 6200**
Fax: 02 9910 6201	**Fax: 02 9910 6201**
Email: ahie@envirolab.com.au	**Email: jhurst@envirolab.com.au**

Analysis Underway, details on the following page:

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
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Sample ID	vTRH in Water (C6-C9) NEPM	svTRH (C10-C40) in Water	PAHs in Water	Organochlorine Pesticides in Water	PCBs in Water	HM in water - total	Chlorophyll a	Total Suspended Solids	Total Nitrogen in water	Phosphate as P in water	pH	Electrical Conductivity	Metals in Waters -Acid extractable	Microbiologocal Testing
3365/GW201									✓	✓			✓	✓
3365/GW202									✓	✓			✓	✓
3365/GW203									✓	✓			✓	✓
3365/GW204									✓	✓			✓	✓
3365/GW205									✓	✓			✓	✓
3365/GW206									✓	✓			✓	✓
3365/GW207									✓	✓			✓	✓
3365/SW101	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3355/SW102	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW103	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW205	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW207	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW210	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW211	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/GWDUP01											✓	✓		
3365/DUP01						✓								
3365/DUP02						✓								

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.
Requests for longer term sample storage must be received in writing.
Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.
TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

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SAMPLE ANALYSIS CHAIN OF CUSTODY FORM

WEST CULBURRA – ENVIROLAB QUOTATION – 22SY375_B0												
Name	P1203365 – Water Sampling, West Culburra, NSW											
Martens Contact Officer	Trystan Richards					**Contact Email**	trichards@martens.com.au					
Sampling and Shipping	**Sample Date**	20 to 23.03.2023		**Dispatch Date**	23.03.2023		**Turnaround Time**		Standard			
	Our Reference	P1203365COC25V01				**Shipping Method (X)**	**Hand**	**X**	**Post**		**Courier**	
	On Ice (X)	**X**	**No Ice (X)**		**Other (X)**							
Laboratory												
Name	Envirolab Services P/L											
Sample Delivery Address	12 Ashley St, Chatswood											
Delivery Contact	**Name**	Sample Receipt		**Phone**	02 9910 6200	**Fax**		**Email**	samplereceipt@envirolabservices.com.au			
Please Send Report By (X)	**Post**		**Fax**		**Email**	**X**	**Reporting Email Address**	trichards@martens.com.au, bmonaghan@martens.com.au and cc ANorris@martens.com.au				

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200

Job No: 319307
Date Received: 23/3/23
Time Received: 1130
Received By: KGW
Temp: Cool/Ambient: 2°C
Cooling: Ice/Icepack
Security: Intact/Broken/None

	Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN, TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
1	3365/GW201						X	
2	3365/GW202						X	
3	3365/GW203						X	
4	3365/GW204						X	
5	3365/GW205						X	
6	3365/GW206						X	
7	3365/GW207						X	
8	3365/SW101	X	X	X	X			
9	3355/SW102	x	x	x	x			

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MARTENS & ASSOCIATES P/L
ABN 85 070 240 890 ACN 070 240 890

SOIL ANALYSIS CHAIN OF CUSTODY

	Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN. TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
10	3365/SW103	x	x	x	x			
11	3365/SW205	X	X	X	X			
12	3365/SW207	X	X	X	X			
13	3365/SW210	X	X	X	X			
14	3365/SW211	X	X	X	X			
15	3365/GWDUP01					X		
16	3365/DUP01	X						
17	3365/DUP02	X						

319307

Field Sheet Event 4

WATER SAMPLING FORM - Estuary Surface Water

martens consulting engineers since 1989

PROJECT INFORMATION

PROJECT NUMBER: 3365

CLIENT: Sealark Pty Ltd

SITE LOCATION: Culburra

MONTHLY / BIMONTHLY: Monthly (Event 4)

WET WEATHER (Y/N): N

DATE: 20 / 03 / 2023

SAMPLED BY: TR + BTM

ROLE: sampler / engineer

SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (% Sat)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
205	14:50	E: 293605.3597 N: 6133080.442	WQ Meter	22.1	7.50	146.4	96.7		37965	0.39	DUP 02, no sheen, no odor, Y
207	14:25	E: 293920.1357 N: 6133182.226	WQ Meter	23.0	7.42	189.9	98.3		41778	18.22	No sheen, no odor, Y
210	16:00	E: 294591.1553 N: 6132850.486	WQ Meter	23.2	7.96	131.0	96.8		38776	0.86	No sheen, no odor, Y
211	10:15	E: 294994.521 N: 6132922.111	WQ Meter	21.6	7.93	64.3	99.0		38267	0.46	No sheen, no odor, Y

Sample bottle codes: P-plastic, G - glass, V - vial

Preservation Codes - U - unpreserved, S -sulfuric acid, N - nitric acid, H - hydrochloric acid

WQ calibration certificate Event 4

Multi Parameter Water Meter

Instrument **YSI Pro DSS**
Serial No. **21K101476**

Air-Met Scientific Pty Ltd
1300 137 067

Item	Test	Pass	Comments
Battery	Charge Condition	✓	
	Fuses	✓	
	Capacity	✓	
	Recharge OK?	✓	
Switch/keypad	Operation	✓	
Display	Intensity	✓	
	Operation (segments)	✓	
Grill Filter	Condition	✓	
	Seal	✓	
PCB	Condition	✓	
Connectors	Condition	✓	
Sensor	1. pH/ORP	✓	
	2. Turbidity	✓	
	3. Conductivity	✓	
	4. D.O	✓	
	5. Temp	✓	
	6. Depth	x	
Alarms	Beeper		
	Settings		
Software	Version		
Data logger	Operation		
Download	Operation		
Other tests:			

Certificate of Calibration

This is to certify that the above instrument has been calibrated to the following specifications:

Sensor	Serial no	Standard Solutions	Certified	Solution Bottle Number	Instrument Reading
1. pH 7.00		pH 7.00	NIST	393774	pH 7.08
2. pH 4.00		pH 4.00	NIST	394432	pH 4.15
3. mV		229.88mV	NIST	395557/395763	229.7mV
4. EC		2760uS	NIST	385789	2762uS
6. D.O		-0.4%	NIST	391223	100.60%
7. Temp		24.63 C	NIST		24.1 C
8.Tubidity		100NTU	NIST	396421	99.22 NTU

Calibrated by: **Kristyan Corrales**

Calibration date: **14/03/2023**

Next calibration due: **14/09/2023**

Appendix K – Event 5 Data

Table 31: Surface water - laboratory data event 5

		TRH					Biological			Halogenated Benzenes	Inorganics				Metals								
		C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)	Aluminium	Arsenic	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
		µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL		10	50	100	100	50	1	1	0.001	0.2	0.1	0.05	0.005	5	0.01	0.001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Date**																						
SW301	17 Apr 2023	<10	<50	<100	<100	<50	880	880	0.01	<0.2	0.3	0.05	<0.005	7	1.7	<0.001	0.002	0.002	2.5	0.003	<0.00005	<0.001	0.01
SW301	17 Apr 2023	<10	110	120	<100	230	3,600.0	3,600.0	0.01	<0.2	0.4	0.1	<0.005	340	2.8	0.001	0.003	0.003	3.9	0.005	<0.00005	<0.001	0.009
SW302	17 Apr 2023	<10	<50	<100	<100	<50	5,300.0	5,300.0	0.001	<0.2	0.7	<0.05	<0.005	17	0.76	<0.001	0.001	0.002	0.7	<0.001	<0.00005	<0.001	0.007
SW302	17 Apr 2023	<10	<50	<100	<100	<50	3,900.0	3,900.0	<0.001	<0.2	0.5	<0.05	<0.005	12	0.8	<0.001	0.001	0.002	0.61	<0.001	<0.00005	<0.001	0.009
SW303	17 Apr 2023	<10	<50	<100	<100	<50	200	200	0.005	<0.2	0.8	0.06	<0.005	15	0.38	0.002	<0.001	<0.001	0.74	<0.001	<0.00005	<0.001	0.004
SW303	17 Apr 2023	<10	<50	<100	<100	<50	10^ A	10^ A	0.008	<0.2	0.8	0.07	<0.005	16	0.41	0.002	0.001	0.001	1.4	<0.001	<0.00005	<0.001	0.01
SW304	17 Apr 2023	<10	<50	<100	<100	<50	250	250	<0.001	<0.2	0.7	<0.05	<0.005	22	1.1	<0.001	0.001	0.001	2.6	0.001	<0.00005	<0.001	0.01
SW304	17 Apr 2023	<10	91	<100	<100	90	330	330	0.001	<0.2	0.5	<0.05	<0.005	14	1.1	<0.001	0.002	0.004	2.5	0.001	<0.00005	<0.001	0.03
SW305	17 Apr 2023	<10	<50	<100	<100	<50	110 A	110 A	0.001	<0.2	0.7	<0.05	<0.005	6	0.22	<0.001	<0.001	0.003	0.56	<0.001	<0.00005	<0.001	0.008
SW305	17 Apr 2023	<10	<50	<100	<100	<50	70 A	70 A	0.004	<0.2	0.7	<0.05	<0.005	8	0.2	0.001	<0.001	<0.001	0.47	<0.001	<0.00005	<0.001	0.003
SW306	17 Apr 2023	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.7	<0.5	<0.005	17	0.32	0.002	<0.001	<0.001	0.61	<0.001	<0.00005	<0.001	0.001
SW306	17 Apr 2023	<10	<50	<100	<100	<50	<10	<10	0.003	<0.2	0.7	<0.5	<0.005	16	0.49	0.002	0.001	<0.001	0.82	<0.001	<0.00005	<0.001	0.002
SW307	17 Apr 2023	<10	<50	<100	<100	<50	80 A	80 A	<0.001	<0.2	0.4	<0.05	<0.005	<5	0.23	<0.001	<0.001	<0.001	0.78	<0.001	<0.00005	<0.001	0.01
SW307	17 Apr 2023	<10	<50	<100	<100	<50	40 A	40 A	<0.001	<0.2	0.3	<0.05	<0.005	<5	0.25	<0.001	<0.001	<0.001	0.8	<0.001	<0.00005	<0.001	0.01
SW308	17 Apr 2023	<10	100	<100	<100	100	17,000.0	17,000.0	0.03	<0.2	0.5	<0.05	<0.005	420	0.68	<0.001	0.001	<0.001	1.9	<0.001	<0.00005	<0.001	0.006
SW308	17 Apr 2023	<10	180	130	<100	320	150	150	0.01	<0.2	0.4	<0.05	<0.005	280	1.3	0.001	0.002	0.002	3.2	0.002	<0.00005	<0.001	0.011
Statistics																							
Number of Results		16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
Number of Detects		0	4	2	0	4	9	9	12	0	16	4	0	14	16	7	10	9	16	5	0	0	16
Minimum Concentration		<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.3	0.05	<0.005	<5	0.2	0.001	0.001	0.001	0.47	0.001	<0.00005	<0.001	0.001
Maximum Concentration		<10	180	130	<100	320	17,000	17,000	0.03	<0.2	0.8	<0.5	<0.005	420	2.8	0.002	0.003	0.004	3.9	0.005	<0.00005	<0.001	0.03
Average Concentration *		10	68	103	100	84	2,875	2,875	0.0056	0.2	0.57	0.11	0.005	75	0.8	0.0013	0.0013	0.0017	1.5	0.0014	0.00005	0.001	0.0088
Median Concentration *		10	50	100	100	50	330	330	0.0025	0.2	0.6	0.05	0.005	15.5	0.585	0.001	0.001	0.001	0.81	0.001	0.00005	0.001	0.009

* A Non Detect Multiplier of 1 has been applied.

		Organochlorine Pesticides																		
		4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Date**																			
SW301	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW301	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW302	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW302	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW303	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW303	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW304	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW304	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW307	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW307	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW308	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW308	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Statistics

Number of Results		**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Maximum Concentration		**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Average Concentration *		**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**
Median Concentration *		**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

* A Non Detect Multiplier of 1 has been applied.

		PAH																
		Benzo(b+j+k)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
		mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL		0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0005	0.0001
Location Code	**Date**																	
SW301	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW301	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW302	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW302	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW303	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW303	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW304	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW304	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW305	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW305	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW306	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW306	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW307	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW307	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW308	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW308	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001

Statistics

Number of Results	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Maximum Concentration	**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Average Concentration *	**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.0005**	**0.0001**
Median Concentration *	**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.0005**	**0.0001**

* A Non Detect Multiplier of 1 has been applied.

		PCBs							TPH				
		Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Date**												
SW301	**17 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW301	**17 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	120	<100	<100	120
SW302	**17 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW302	**17 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW303	**17 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW303	**17 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW304	**17 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW304	**17 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	120	<100	120
SW305	**17 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW305	**17 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW306	**17 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW306	**17 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW307	**17 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW307	**17 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW308	**17 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	120	<100	120
SW308	**17 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	250	<100	250
Statistics													
Number of Results		**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**3**	**0**	**4**
Minimum Concentration		**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Maximum Concentration		**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**120**	**250**	**<100**	**250**
Average Concentration *		**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**54**	**112**	**100**	**76**
Median Concentration *		**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**100**	**100**	**50**

* A Non Detect Multiplier of 1 has been applied.

Table 32: Estuary surface water - laboratory data event 5

		TRH					Biological			Halogenated Benzenes	Inorganics				Metals								
		C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)	Aluminium	Arsenic	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
		µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL		10	50	100	100	50	1	1	0.001	0.2	0.1	0.05	0.005	5	0.01	0.001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Date**																						
SW201	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.2	<0.05	0.02	<5	0.06	0.001	<0.001	<0.001	0.14	<0.001	<0.00005	<0.001	0.001
SW201	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.02	6	0.03	0.001	<0.001	<0.001	0.08	<0.001	<0.00005	<0.001	0.001
SW202	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	0.05	0.02	<5	0.06	0.002	<0.001	0.001	0.13	<0.001	<0.00005	<0.001	0.001
SW202	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.02	<5	0.03	0.001	<0.001	<0.001	0.065	<0.001	<0.00005	<0.001	<0.001
SW203	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	<5	0.06	0.002	<0.001	0.002	0.09	<0.001	<0.00005	<0.001	0.004
SW203	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.1	<0.05	0.01	<5	0.04	0.002	<0.001	<0.001	0.059	<0.001	<0.00005	<0.001	0.002
SW204	**19 Apr 2023**	<10	<50	<100	<100	<50	100 A	100 A	0.01	<0.2	0.8	0.2	0.006	180	1.2	0.004	0.003	0.001	2.2	0.001	<0.00005	<0.001	0.005
SW204	**19 Apr 2023**	<10	<50	<100	<100	<50	150	150	0.003	<0.2	0.3	0.3	<0.005	310	2.8	0.005	0.005	0.003	4.1	0.003	<0.00005	<0.001	0.014
SW205	**19 Apr 2023**	<10	<50	<100	<100	<50	20^ A	20^ A	<0.001	<0.2	0.1	<0.05	0.01	5	0.04	0.002	<0.001	<0.001	0.064	<0.001	<0.00005	<0.001	0.003
SW205	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	6	0.11	0.002	0.001	<0.001	0.18	<0.001	<0.00005	<0.001	0.001
SW206	**19 Apr 2023**	<10	<50	<100	<100	<50	40 A	40 A	<0.001	<0.2	0.1	<0.05	0.01	6	0.07	0.002	<0.001	<0.001	0.12	<0.001	<0.00005	<0.001	<0.001
SW206	**19 Apr 2023**	<10	<50	<100	<100	<50	40 A	40 A	<0.001	<0.2	0.1	<0.05	0.01	5	0.07	0.002	<0.001	<0.001	0.1	<0.001	<0.00005	<0.001	0.001
SW207	**19 Apr 2023**	<10	<50	<100	<100	<50	10^ A	10^ A	<0.001	<0.2	0.1	<0.05	0.01	<5	0.08	0.002	<0.001	<0.001	0.13	<0.001	<0.00005	<0.001	0.001
SW207	**19 Apr 2023**	<10	<50	<100	<100	<50	<100	<100	0.001	<0.2	0.1	<0.05	0.01	<5	0.08	0.002	<0.001	<0.001	0.12	<0.001	<0.00005	<0.001	0.004
SW208	**19 Apr 2023**	<10	<50	<100	<100	<50	<100	<100	0.001	<0.2	0.1	<0.05	0.01	<5	0.09	0.002	0.001	<0.001	0.12	<0.001	<0.00005	<0.001	0.004
SW208	**19 Apr 2023**	<10	<50	<100	<100	<50	10^ A	10^ A	<0.001	<0.2	0.1	<0.05	0.01	<5	0.09	0.002	<0.001	<0.001	0.12	<0.001	<0.00005	<0.001	0.002
SW209	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.1	<0.05	0.01	5	0.08	0.002	<0.001	<0.001	0.11	<0.001	<0.00005	<0.001	0.002
SW209	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	6	0.06	0.002	<0.001	<0.001	0.11	<0.001	<0.00005	<0.001	<0.001
SW210	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	6	0.1	0.002	<0.001	<0.001	0.17	<0.001	<0.00005	<0.001	0.001
SW210	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.1	<0.05	0.01	5	0.22	0.002	0.001	<0.001	0.41	<0.001	<0.00005	<0.001	0.002
SW211	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	6	0.11	0.002	0.001	<0.001	0.21	<0.001	<0.00005	<0.001	0.003
SW211	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	10	0.12	0.002	<0.001	<0.001	0.18	<0.001	<0.00005	<0.001	0.004
SW212	**19 Apr 2023**	<10	<50	<100	<100	<50	10^ A	10^ A	<0.001	<0.2	0.1	<0.05	0.01	8	0.09	0.002	<0.001	<0.001	0.15	<0.001	<0.00005	<0.001	0.002
SW212	**19 Apr 2023**	<10	<50	<100	<100	<50	90 A	90 A	<0.001	<0.2	0.1	<0.05	0.01	<5	0.08	0.001	<0.001	<0.001	0.13	<0.001	<0.00005	<0.001	0.004
SW213	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	<5	0.09	0.002	0.001	<0.001	0.15	<0.001	<0.00005	<0.001	0.004
SW213	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	<5	0.05	0.002	<0.001	<0.001	0.072	<0.001	<0.00005	<0.001	0.002
SW214	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.2	<0.05	0.01	6	0.09	0.002	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	0.002
SW214	**19 Apr 2023**	<10	<50	<100	<100	<50	<100	<100	<0.001	<0.2	0.1	<0.05	0.01	6	0.11	0.002	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	<0.001
SW215	**19 Apr 2023**	<10	<50	<100	<100	<50	20^ A	20^ A	<0.001	<0.2	<0.1	<0.5	0.01	<5	0.06	0.002	0.001	<0.001	0.086	<0.001	<0.00005	<0.001	0.002
SW215	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.5	0.008	5	0.07	0.002	<0.001	<0.001	0.1	<0.001	<0.00005	<0.001	0.003
SW216	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.5	0.008	<5	0.03	0.002	<0.001	<0.001	0.042	<0.001	<0.00005	<0.001	0.002
SW216	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	<0.1	<0.5	0.01	<5	0.05	0.002	<0.001	<0.001	0.078	<0.001	<0.00005	<0.001	0.002
SW217	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	<0.1	<0.5	0.009	<5	0.07	0.002	0.001	0.002	0.092	<0.001	<0.00005	<0.001	0.002
SW217	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.5	0.008	<5	0.07	0.002	<0.001	<0.001	0.11	<0.001	<0.00005	<0.001	0.003

Statistics

Number of Results	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**9**	**0**	**28**	**3**	**33**	**17**	**34**	**34**	**9**	**5**	**34**	**2**	**0**	**0**	**30**	
Minimum Concentration	**<10**	**<50**	**<100**	**<100**	**<50**	**<10**	**<10**	**0.001**	**<0.2**	**0.1**	**0.05**	**<0.005**	**5**	**0.03**	**0.001**	**0.001**	**0.001**	**0.042**	**0.001**	**<0.00005**	**<0.001**	**0.001**	
Maximum Concentration	**<10**	**<50**	**<100**	**<100**	**<50**	**150**	**150**	**0.01**	**<0.2**	**0.8**	**<0.5**	**0.02**	**310**	**2.8**	**0.005**	**0.005**	**0.003**	**4.1**	**0.003**	**<0.00005**	**<0.001**	**0.014**	
Average Concentration *	**10**	**50**	**100**	**100**	**50**	**26**	**26**	**0.0014**	**0.2**	**0.13**	**0.14**	**0.011**	**20**	**0.19**	**0.002**	**0.0012**	**0.0011**	**0.3**	**0.0011**	**0.00005**	**0.001**	**0.0026**	
Median Concentration *	**10**	**50**	**100**	**100**	**50**	**10**	**10**	**0.001**	**0.2**	**0.1**	**0.05**	**0.01**	**5**	**0.075**	**0.002**	**0.001**	**0.001**	**0.12**	**0.001**	**0.00005**	**0.001**	**0.002**	

* A Non Detect Multiplier of 1 has been applied.

	Organochlorine Pesticides																		
	4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Date**																		
SW201	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW201	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW204	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW204	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW212	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW212	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW215	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW215	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Statistics

Number of Results	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Maximum Concentration	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Average Concentration *	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**
Median Concentration *	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

* A Non Detect Multiplier of 1 has been applied.

		PAH																
		Benzo(b+j+k)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
		mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL		0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0005	0.0001
Location Code	**Date**																	
SW201	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW201	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW202	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW202	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW203	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW203	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW204	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW204	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW205	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW205	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW206	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW206	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW207	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW207	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW208	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW208	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW209	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW209	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW210	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW210	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW211	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW211	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW212	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW212	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW213	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW213	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW214	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW214	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW215	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW215	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW216	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW216	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW217	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW217	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001

Statistics

Number of Results		**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Maximum Concentration		**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Average Concentration *		**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.0005**	**0.0001**
Median Concentration *		**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.0005**	**0.0001**

* A Non Detect Multiplier of 1 has been applied.

		PCBs							TPH					
		Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Date**												
SW201	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW201	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW203	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW203	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW204	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW204	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW212	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW212	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW215	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW215	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	**19 Apr 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50

Statistics

Number of Results	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Maximum Concentration	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Average Concentration *	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**100**	**100**	**50**
Median Concentration *	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**100**	**100**	**50**

* A Non Detect Multiplier of 1 has been applied.

Table 33: Surface water - water quality data event 5

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	EC (uS/cm)	Turbidity (ntu)
301						
302	16.2	5.98	141.3	-0.19	316.4	64.80
303	22.9	8.53	118.2	-0.12	42442	64.96
304						
305	21.9	7.94	124.6	-0.13	41522	27.76
306	20.0	8.58	102.8	-0.13	44100	139.63
307	14.6	4.88	213.9	-0.20	386.6	13.47
308	16.1	4.51	277.3	-0.20	1048	118.21

Table 34: Surface water – water quality data event 5 statistical summary

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	EC (uS/cm)	Turbidity (ntu)
min	14.6	4.51	102.8	-0.20	316.4	13.47
max	22.9	8.58	277.3	-0.12	44100	139.63
mean	18.6	6.74	163.0	-0.16	21636	71.47
median	18.1	6.96	133.0	-0.16	21285	64.88
range	8.3	4.07	174.5	0.08	43783.6	126.16

Table 35: Estuary surface water – water quality data event 5

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	EC (uS/cm)	Turbidity (ntu)
201	19.1	7.83	108.1	-0.15	41624	7.62
202	19.3	7.89	110.2	-0.14	42072	9.64
203	19.6	7.92	113.4	-0.14	43437	13.72
204	16.9	7.35	91.8	-0.17	33165	42.42
205	19.2	7.87	120.4	-0.14	42898	11.93
206	19.5	7.92	118.4	-0.14	44018	9.49
207	18.7	7.89	120.6	-0.15	41818	13.26
208	20.2	8.00	122.2	-0.13	46767	9.24
209	19.9	7.98	118.4	-0.14	45152	16.05
210	18.2	7.59	115.9	-0.17	43167	17.07
211	18.5	7.90	111.3	-0.15	41215	17.25
212	19.5	7.93	117.9	-0.14	42134	13.31
213	19.2	7.88	111.4	-0.14	42019	18.24
214	18.6	7.90	106.4	-0.15	41545	17.33
215	20.5	8.04	128.7	-0.15	48293	8.32
216	20.7	8.03	133.6	-0.13	31615	6.60
217						

Table 36: Estuary surface water – water quality data event 5 statistical summary

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	EC (uS/cm)	Turbidity (ntu)
min	16.9	7.35	91.8	-0.17	31615	6.60
max	20.7	8.04	133.6	-0.13	48293	42.42
mean	19.2	7.87	115.5	-0.15	41933	14.47
median	19.3	7.90	116.9	-0.14	42103	13.29
range	3.8	0.69	41.8	0.04	16678	35.82

Appendix L – Event 5 Documents

Lab Report Event 5

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

CERTIFICATE OF ANALYSIS 321448

Client Details

Client	Martens & Associates Pty Ltd
Attention	Andrew Norris, William Xu
Address	Suite 201, 20 George St, Hornsby, NSW, 2077

Sample Details

Your Reference	**P1203365 - Water Sampling, West Culburra, NSW**
Number of Samples	65 Water
Date samples received	21/04/2023
Date completed instructions received	21/04/2023

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	02/05/2023
Date of Issue	02/05/2023

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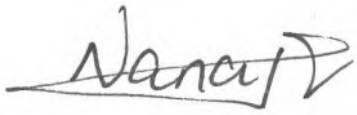
Results Approved By
Diego Bigolin, Inorganics Supervisor
Dragana Tomas, Senior Chemist
Greta Petzold, Operation Manager
Hannah Nguyen, Metals Supervisor
Liam Timmins, Organics Supervisor
Loren Bardwell, Development Chemist

Authorised By



Nancy Zhang, Laboratory Manager

vTRH in Water (C6-C9) NEPM						
Our Reference		321448-8	321448-9	321448-10	321448-11	321448-12
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Date analysed	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	102	101	101	102	101
Surrogate toluene-d8	%	100	100	101	101	100
Surrogate 4-BFB	%	103	103	103	103	105

vTRH in Water (C6-C9) NEPM						
Our Reference		321448-13	321448-14	321448-15	321448-16	321448-17
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW204 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Date analysed	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	102	101	101	102	102
Surrogate toluene-d8	%	100	100	100	100	101
Surrogate 4-BFB	%	105	105	105	104	104

vTRH in Water (C6-C9) NEPM						
Our Reference		321448-18	321448-19	321448-20	321448-21	321448-22
Your Reference	UNITS	3365/SW204 W/2	3365/SW205 W/1	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Date analysed	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	102	102	102	102	102
Surrogate toluene-d8	%	100	101	100	100	100
Surrogate 4-BFB	%	104	104	104	104	104

vTRH in Water (C6-C9) NEPM						
Our Reference		321448-23	321448-24	321448-25	321448-26	321448-27
Your Reference	UNITS	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Date analysed	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	102	103	102	103	103
Surrogate toluene-d8	%	100	100	100	101	100
Surrogate 4-BFB	%	105	104	105	104	104

vTRH in Water (C6-C9) NEPM						
Our Reference		321448-28	321448-29	321448-30	321448-31	321448-32
Your Reference	UNITS	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Date analysed	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	102	102	102	102	102
Surrogate toluene-d8	%	101	100	100	100	100
Surrogate 4-BFB	%	104	105	104	104	104

vTRH in Water (C6-C9) NEPM						
Our Reference		321448-33	321448-34	321448-35	321448-36	321448-37
Your Reference	UNITS	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Date analysed	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	101	102	102	102	103
Surrogate toluene-d8	%	100	100	98	100	101
Surrogate 4-BFB	%	106	104	105	105	104

vTRH in Water (C6-C9) NEPM						
Our Reference		321448-38	321448-39	321448-40	321448-41	321448-42
Your Reference	UNITS	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Date analysed	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	103	103	102	103	103
Surrogate toluene-d8	%	100	100	99	100	100
Surrogate 4-BFB	%	103	106	104	104	104

vTRH in Water (C6-C9) NEPM						
Our Reference		321448-43	321448-44	321448-45	321448-46	321448-47
Your Reference	UNITS	3365/SW217 W/1	3365/SW217 W/2	3365/SW301 W/1	3365/SW301 W/2	3365/SW302 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Date analysed	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	103	102	102	101	101
Surrogate toluene-d8	%	100	100	100	100	99
Surrogate 4-BFB	%	104	104	104	105	104

vTRH in Water (C6-C9) NEPM						
Our Reference		321448-48	321448-49	321448-50	321448-51	321448-52
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Date analysed	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	101	102	102	101	102
Surrogate toluene-d8	%	100	99	101	99	100
Surrogate 4-BFB	%	104	105	105	104	104

vTRH in Water (C6-C9) NEPM						
Our Reference		321448-53	321448-54	321448-55	321448-56	321448-57
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Date analysed	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	102	103	102	104	101
Surrogate toluene-d8	%	100	101	101	101	99
Surrogate 4-BFB	%	104	106	105	106	104

vTRH in Water (C6-C9) NEPM				
Our Reference		321448-58	321448-59	321448-60
Your Reference	UNITS	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water
Date extracted	-	21/04/2023	21/04/2023	21/04/2023
Date analysed	-	21/04/2023	21/04/2023	21/04/2023
TRH C_6 - C_9	µg/L	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10
Surrogate Dibromofluoromethane	%	101	101	101
Surrogate toluene-d8	%	100	100	100
Surrogate 4-BFB	%	105	103	106

svTRH (C10-C40) in Water						
Our Reference		321448-8	321448-9	321448-10	321448-11	321448-12
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	29/04/2023	29/04/2023	29/04/2023	29/04/2023	29/04/2023
Date analysed	-	29/04/2023	29/04/2023	29/04/2023	29/04/2023	29/04/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	380	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	380	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	140	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	320	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	450	<50	<50	<50	<50
Surrogate o-Terphenyl	%	84	91	73	78	92

svTRH (C10-C40) in Water						
Our Reference		321448-13	321448-14	321448-15	321448-16	321448-17
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW204 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	29/04/2023	29/04/2023	29/04/2023	29/04/2023	29/04/2023
Date analysed	-	29/04/2023	29/04/2023	29/04/2023	29/04/2023	29/04/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	94	85	78	84	86

svTRH (C10-C40) in Water						
Our Reference		321448-18	321448-19	321448-20	321448-21	321448-22
Your Reference	UNITS	3365/SW204 W/2	3365/SW205 W/1	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	29/04/2023	29/04/2023	29/04/2023	29/04/2023	29/04/2023
Date analysed	-	29/04/2023	29/04/2023	30/04/2023	30/04/2023	30/04/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	91	88	97	87	97

svTRH (C10-C40) in Water						
Our Reference		321448-23	321448-24	321448-25	321448-26	321448-27
Your Reference	UNITS	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	29/04/2023	29/04/2023	29/04/2023	29/04/2023	29/04/2023
Date analysed	-	30/04/2023	30/04/2023	30/04/2023	30/04/2023	30/04/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	85	97	103	92	92

svTRH (C10-C40) in Water						
Our Reference		321448-28	321448-29	321448-30	321448-31	321448-32
Your Reference	UNITS	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	29/04/2023	29/04/2023	29/04/2023	29/04/2023	29/04/2023
Date analysed	-	30/04/2023	30/04/2023	30/04/2023	30/04/2023	30/04/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	81	76	83	66	93

svTRH (C10-C40) in Water						
Our Reference		321448-33	321448-34	321448-35	321448-36	321448-37
Your Reference	UNITS	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	29/04/2023	29/04/2023	29/04/2023	29/04/2023	29/04/2023
Date analysed	-	30/04/2023	30/04/2023	30/04/2023	30/04/2023	30/04/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	87	94	87	78	89

svTRH (C10-C40) in Water						
Our Reference		321448-38	321448-39	321448-40	321448-41	321448-42
Your Reference	UNITS	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	29/04/2023	29/04/2023	29/04/2023	29/04/2023	29/04/2023
Date analysed	-	30/04/2023	30/04/2023	30/04/2023	30/04/2023	30/04/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	89	96	99	74	88

svTRH (C10-C40) in Water						
Our Reference		321448-43	321448-44	321448-45	321448-46	321448-47
Your Reference	UNITS	3365/SW217 W/1	3365/SW217 W/2	3365/SW301 W/1	3365/SW301 W/2	3365/SW302 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	29/04/2023	29/04/2023	29/04/2023	29/04/2023	29/04/2023
Date analysed	-	30/04/2023	30/04/2023	30/04/2023	30/04/2023	30/04/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	120	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	120	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	110	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	120	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	230	<50
Surrogate o-Terphenyl	%	75	71	71	67	67

svTRH (C10-C40) in Water						
Our Reference		321448-48	321448-49	321448-50	321448-51	321448-52
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	29/04/2023	29/04/2023	29/04/2023	29/04/2023	29/04/2023
Date analysed	-	30/04/2023	30/04/2023	30/04/2023	30/04/2023	30/04/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	120
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	120
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	91
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	90
Surrogate o-Terphenyl	%	100	88	76	70	82

svTRH (C10-C40) in Water						
Our Reference		321448-53	321448-54	321448-55	321448-56	321448-57
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	29/04/2023	29/04/2023	29/04/2023	29/04/2023	29/04/2023
Date analysed	-	30/04/2023	30/04/2023	30/04/2023	30/04/2023	30/04/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	68	68	89	65	68

svTRH (C10-C40) in Water				
Our Reference		321448-58	321448-59	321448-60
Your Reference	UNITS	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water
Date extracted	-	29/04/2023	29/04/2023	29/04/2023
Date analysed	-	30/04/2023	30/04/2023	30/04/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	120	250
TRH C_{29} - C_{36}	µg/L	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	120	250
TRH >C_{10} - C_{16}	µg/L	<50	100	180
TRH >C_{16} - C_{34}	µg/L	<100	<100	130
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	100	320
Surrogate o-Terphenyl	%	70	70	70

PAHs in Water						
Our Reference		321448-8	321448-9	321448-10	321448-11	321448-12
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	86	98	93	96	96

PAHs in Water						
Our Reference		321448-13	321448-14	321448-15	321448-16	321448-17
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW204 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	99	85	88	97	100

PAHs in Water						
Our Reference		321448-18	321448-19	321448-20	321448-21	321448-22
Your Reference	UNITS	3365/SW204 W/2	3365/SW205 W/1	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	92	97	91	93	97

PAHs in Water						
Our Reference		321448-23	321448-24	321448-25	321448-26	321448-27
Your Reference	UNITS	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	87	92	90	88	87

PAHs in Water						
Our Reference		321448-28	321448-29	321448-30	321448-31	321448-32
Your Reference	UNITS	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	81	75	85	124	83

PAHs in Water						
Our Reference		321448-33	321448-34	321448-35	321448-36	321448-37
Your Reference	UNITS	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	89	84	89	82	90

PAHs in Water						
Our Reference		321448-38	321448-39	321448-40	321448-41	321448-42
Your Reference	UNITS	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	81	87	89	71	83

PAHs in Water						
Our Reference		321448-43	321448-44	321448-45	321448-46	321448-47
Your Reference	UNITS	3365/SW217 W/1	3365/SW217 W/2	3365/SW301 W/1	3365/SW301 W/2	3365/SW302 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	77	81	67	75	78

PAHs in Water						
Our Reference		321448-48	321448-49	321448-50	321448-51	321448-52
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	81	81	78	77	71

PAHs in Water						
Our Reference		321448-53	321448-54	321448-55	321448-56	321448-57
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	73	117	117	123	78

PAHs in Water				
Our Reference		321448-58	321448-59	321448-60
Your Reference	UNITS	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	69	63	71

Organochlorine Pesticides in Water						
Our Reference		321448-8	321448-9	321448-10	321448-11	321448-12
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	77	87	85	83	84

Organochlorine Pesticides in Water						
Our Reference		321448-13	321448-14	321448-15	321448-16	321448-17
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW204 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	88	75	74	82	88

Organochlorine Pesticides in Water						
Our Reference		321448-18	321448-19	321448-20	321448-21	321448-22
Your Reference	UNITS	3365/SW204 W/2	3365/SW205 W/1	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	83	86	81	84	85

Organochlorine Pesticides in Water						
Our Reference		321448-23	321448-24	321448-25	321448-26	321448-27
Your Reference	UNITS	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	78	82	83	79	76

Organochlorine Pesticides in Water						
Our Reference		321448-28	321448-29	321448-30	321448-31	321448-32
Your Reference	UNITS	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	72	68	76	103	77

Organochlorine Pesticides in Water						
Our Reference		321448-33	321448-34	321448-35	321448-36	321448-37
Your Reference	UNITS	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	78	73	78	71	78

Organochlorine Pesticides in Water						
Our Reference		321448-38	321448-39	321448-40	321448-41	321448-42
Your Reference	UNITS	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	71	76	77	63	69

Organochlorine Pesticides in Water						
Our Reference		321448-43	321448-44	321448-45	321448-46	321448-47
Your Reference	UNITS	3365/SW217 W/1	3365/SW217 W/2	3365/SW301 W/1	3365/SW301 W/2	3365/SW302 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	67	75	101	67	70

Organochlorine Pesticides in Water						
Our Reference		321448-48	321448-49	321448-50	321448-51	321448-52
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	72	74	71	72	62

Organochlorine Pesticides in Water						
Our Reference		321448-53	321448-54	321448-55	321448-56	321448-57
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	64	107	105	105	69

Organochlorine Pesticides in Water				
Our Reference		321448-58	321448-59	321448-60
Your Reference	UNITS	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2
Surrogate TCMX	%	62	72	64

PCBs in Water						
Our Reference		321448-8	321448-9	321448-10	321448-11	321448-12
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	77	87	85	83	84

PCBs in Water						
Our Reference		321448-13	321448-14	321448-15	321448-16	321448-17
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW204 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	88	75	74	82	88

PCBs in Water						
Our Reference		321448-18	321448-19	321448-20	321448-21	321448-22
Your Reference	UNITS	3365/SW204 W/2	3365/SW205 W/1	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	83	86	81	84	85

PCBs in Water						
Our Reference		321448-23	321448-24	321448-25	321448-26	321448-27
Your Reference	UNITS	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	78	82	83	79	76

PCBs in Water						
Our Reference		321448-28	321448-29	321448-30	321448-31	321448-32
Your Reference	UNITS	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	72	68	76	103	77

PCBs in Water						
Our Reference		321448-33	321448-34	321448-35	321448-36	321448-37
Your Reference	UNITS	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	78	73	78	71	78

PCBs in Water						
Our Reference		321448-38	321448-39	321448-40	321448-41	321448-42
Your Reference	UNITS	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	71	76	77	63	69

PCBs in Water						
Our Reference		321448-43	321448-44	321448-45	321448-46	321448-47
Your Reference	UNITS	3365/SW217 W/1	3365/SW217 W/2	3365/SW301 W/1	3365/SW301 W/2	3365/SW302 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	67	75	101	67	70

PCBs in Water						
Our Reference		321448-48	321448-49	321448-50	321448-51	321448-52
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	72	74	71	72	62

PCBs in Water						
Our Reference		321448-53	321448-54	321448-55	321448-56	321448-57
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023	01/05/2023	01/05/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	64	107	105	105	69

PCBs in Water				
Our Reference		321448-58	321448-59	321448-60
Your Reference	UNITS	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water
Date extracted	-	28/04/2023	28/04/2023	28/04/2023
Date analysed	-	01/05/2023	01/05/2023	01/05/2023
Aroclor 1016	µg/L	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2
Surrogate TCMX	%	62	72	64

HM in water - total						
Our Reference		321448-8	321448-9	321448-10	321448-11	321448-12
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Date analysed	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Aluminium-Total	µg/L	580	430	880	60	30
Arsenic-Total	µg/L	2	<1	<1	1	1
Chromium-Total	µg/L	<1	<1	1	<1	<1
Copper-Total	µg/L	2	3	2	<1	<1
Iron-Total	µg/L	2,500	270	1,300	140	80
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	2	1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	7	10	8	1	1

HM in water - total						
Our Reference		321448-13	321448-14	321448-15	321448-16	321448-17
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW204 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Date analysed	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Aluminium-Total	µg/L	60	30	60	40	1,200
Arsenic-Total	µg/L	2	1	2	2	4
Chromium-Total	µg/L	<1	<1	<1	<1	3
Copper-Total	µg/L	1	<1	2	<1	1
Iron-Total	µg/L	130	65	90	59	2,200
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	1	<1	4	2	5

HM in water - total						
Our Reference		321448-18	321448-19	321448-20	321448-21	321448-22
Your Reference	UNITS	3365/SW204 W/2	3365/SW205 W/1	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Date analysed	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Aluminium-Total	µg/L	2,800	40	110	70	70
Arsenic-Total	µg/L	5	2	2	2	2
Chromium-Total	µg/L	5	<1	1	<1	<1
Copper-Total	µg/L	3	<1	<1	<1	<1
Iron-Total	µg/L	4,100	64	180	120	100
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	3	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	14	3	1	<1	1

HM in water - total						
Our Reference		321448-23	321448-24	321448-25	321448-26	321448-27
Your Reference	UNITS	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Date analysed	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Aluminium-Total	µg/L	80	80	90	90	80
Arsenic-Total	µg/L	2	2	2	2	2
Chromium-Total	µg/L	<1	<1	1	<1	<1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	130	120	120	120	110
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	1	4	4	2	2

HM in water - total						
Our Reference		321448-28	321448-29	321448-30	321448-31	321448-32
Your Reference	UNITS	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Date analysed	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Aluminium-Total	µg/L	60	100	220	110	120
Arsenic-Total	µg/L	2	2	2	2	2
Chromium-Total	µg/L	<1	<1	1	1	<1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	110	170	410	210	180
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	<1	1	2	3	4

HM in water - total						
Our Reference		321448-33	321448-34	321448-35	321448-36	321448-37
Your Reference	UNITS	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Date analysed	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Aluminium-Total	µg/L	90	80	90	50	90
Arsenic-Total	µg/L	2	1	2	2	2
Chromium-Total	µg/L	<1	<1	1	<1	<1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	150	130	150	72	160
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	2	4	4	2	2

HM in water - total						
Our Reference		321448-38	321448-39	321448-40	321448-41	321448-42
Your Reference	UNITS	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Date analysed	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Aluminium-Total	µg/L	110	60	70	30	50
Arsenic-Total	µg/L	2	2	2	2	2
Chromium-Total	µg/L	<1	1	<1	<1	<1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	160	86	100	42	78
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	<1	2	3	2	2

HM in water - total						
Our Reference		321448-43	321448-44	321448-45	321448-46	321448-47
Your Reference	UNITS	3365/SW217 W/1	3365/SW217 W/2	3365/SW301 W/1	3365/SW301 W/2	3365/SW302 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Date analysed	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Aluminium-Total	µg/L	70	70	1,700	2,800	760
Arsenic-Total	µg/L	2	2	<1	1	<1
Chromium-Total	µg/L	1	<1	2	3	1
Copper-Total	µg/L	2	<1	2	3	2
Iron-Total	µg/L	92	110	2,500	3,900	700
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	3	5	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	2	3	10	9	7

HM in water - total						
Our Reference		321448-48	321448-49	321448-50	321448-51	321448-52
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Date analysed	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Aluminium-Total	µg/L	800	380	410	1,100	1,100
Arsenic-Total	µg/L	<1	2	2	<1	<1
Chromium-Total	µg/L	1	<1	1	1	2
Copper-Total	µg/L	2	<1	1	1	4
Iron-Total	µg/L	610	740	1,400	2,600	2,500
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	1	1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	9	4	10	10	30

HM in water - total						
Our Reference		321448-53	321448-54	321448-55	321448-56	321448-57
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Date analysed	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Aluminium-Total	µg/L	220	200	320	490	230
Arsenic-Total	µg/L	<1	1	2	2	<1
Chromium-Total	µg/L	<1	<1	<1	1	<1
Copper-Total	µg/L	3	<1	<1	<1	<1
Iron-Total	µg/L	560	470	610	820	780
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	8	3	1	2	10

HM in water - total						
Our Reference		321448-58	321448-59	321448-60	321448-61	321448-62
Your Reference	UNITS	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2	3365/DUP01	3365/DUP02
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Date analysed	-	28/04/2023	28/04/2023	28/04/2023	28/04/2023	28/04/2023
Aluminium-Total	µg/L	250	680	1,300	470	2,400
Arsenic-Total	µg/L	<1	<1	1	2	2
Chromium-Total	µg/L	<1	1	2	<1	4
Copper-Total	µg/L	<1	<1	2	2	2
Iron-Total	µg/L	800	1,900	3,200	2,200	4,800
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	2	<1	4
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	10	6	11	9	8

HM in water - total			
Our Reference		321448-63	321448-64
Your Reference	UNITS	3365/DUP03	3365/DUP04
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water
Date prepared	-	27/04/2023	27/04/2023
Date analysed	-	28/04/2023	28/04/2023
Aluminium-Total	µg/L	50	90
Arsenic-Total	µg/L	2	2
Chromium-Total	µg/L	<1	<1
Copper-Total	µg/L	<1	<1
Iron-Total	µg/L	100	190
Mercury-Total	µg/L	<0.05	<0.05
Lead-Total	µg/L	<1	<1
Selenium-Total	µg/L	<1	<1
Zinc-Total	µg/L	<1	<1

Miscellaneous Inorganics						
Our Reference		321448-1	321448-2	321448-3	321448-4	321448-5
Your Reference	UNITS	3365/GW01	3365/GW02	3365/GW03	3365/GW04	3365/GW05
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Date analysed	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Total Nitrogen in water	mg/L	0.4	<0.1	<0.1	0.4	0.5
Phosphate as P in water	mg/L	<0.005	0.17	0.01	<0.005	<0.005

Miscellaneous Inorganics						
Our Reference		321448-6	321448-7	321448-8	321448-9	321448-10
Your Reference	UNITS	3365/GW06	3365/GW07	3365/SW101	3365/SW102	3365/SW103
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Date analysed	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Chlorophyll a	mg/m^3	[NA]	[NA]	<1	<1	4
Total Suspended Solids	mg/L	[NA]	[NA]	16	<5	75
Total Nitrogen in water	mg/L	0.4	0.3	5.4	0.9	0.6
Phosphate as P in water	mg/L	0.091	0.005	0.064	0.18	<0.005

Miscellaneous Inorganics						
Our Reference		321448-11	321448-12	321448-13	321448-14	321448-15
Your Reference	UNITS	3365/SW201 W/1	3365/SW201 W/2	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Date analysed	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Chlorophyll a	mg/m^3	<1	<1	<1	<1	<1
Total Suspended Solids	mg/L	<5	6	<5	<5	<5
Total Nitrogen in water	mg/L	0.2	0.1	0.1	0.1	0.1
Phosphate as P in water	mg/L	0.02	0.02	0.02	0.02	0.01

Miscellaneous Inorganics						
Our Reference		321448-16	321448-17	321448-18	321448-19	321448-20
Your Reference	UNITS	3365/SW203 W/2	3365/SW204 W/1	3365/SW204 W/2	3365/SW205 W/1	3365/SW205 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Date analysed	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Chlorophyll a	mg/m^3	1	10	3	<1	<1
Total Suspended Solids	mg/L	<5	180	310	5	6
Total Nitrogen in water	mg/L	0.1	0.8	0.3	0.1	0.1
Phosphate as P in water	mg/L	0.01	0.006	<0.005	0.01	0.01

Miscellaneous Inorganics						
Our Reference		321448-21	321448-22	321448-23	321448-24	321448-25
Your Reference	UNITS	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Date analysed	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Chlorophyll a	mg/m^3	<1	<1	<1	1	1
Total Suspended Solids	mg/L	6	5	<5	<5	<5
Total Nitrogen in water	mg/L	0.1	0.1	0.1	0.1	0.1
Phosphate as P in water	mg/L	0.01	0.01	0.01	0.01	0.01

Miscellaneous Inorganics						
Our Reference		321448-26	321448-27	321448-28	321448-29	321448-30
Your Reference	UNITS	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Date analysed	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Chlorophyll a	mg/m^3	<1	2	<1	<1	1
Total Suspended Solids	mg/L	<5	5	6	6	5
Total Nitrogen in water	mg/L	0.1	0.1	0.1	0.1	0.1
Phosphate as P in water	mg/L	0.01	0.01	0.01	0.01	0.01

Miscellaneous Inorganics						
Our Reference		321448-31	321448-32	321448-33	321448-34	321448-35
Your Reference	UNITS	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Date analysed	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Chlorophyll a	mg/m^3	<1	<1	<1	<1	<1
Total Suspended Solids	mg/L	6	10	8	<5	<5
Total Nitrogen in water	mg/L	0.1	0.1	0.1	0.1	0.1
Phosphate as P in water	mg/L	0.01	0.01	0.01	0.01	0.01

Miscellaneous Inorganics						
Our Reference		321448-36	321448-37	321448-38	321448-39	321448-40
Your Reference	UNITS	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Date analysed	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Chlorophyll a	mg/m^3	<1	<1	<1	<1	<1
Total Suspended Solids	mg/L	<5	6	6	<5	5
Total Nitrogen in water	mg/L	0.1	0.2	0.1	<0.1	<0.1
Phosphate as P in water	mg/L	0.01	0.01	0.01	0.01	0.008

Miscellaneous Inorganics						
Our Reference		321448-41	321448-42	321448-43	321448-44	321448-45
Your Reference	UNITS	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2	3365/SW301 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Date analysed	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Chlorophyll a	mg/m^3	<1	1	1	<1	10
Total Suspended Solids	mg/L	<5	<5	<5	<5	7
Total Nitrogen in water	mg/L	<0.1	<0.1	<0.1	<0.1	0.3
Phosphate as P in water	mg/L	0.008	0.01	0.009	0.008	<0.005

Miscellaneous Inorganics						
Our Reference		321448-46	321448-47	321448-48	321448-49	321448-50
Your Reference	UNITS	3365/SW301 W/2	3365/SW302 W/1	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Date analysed	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Chlorophyll a	mg/m^3	10	1	<1	5	8
Total Suspended Solids	mg/L	340	17	12	15	16
Total Nitrogen in water	mg/L	0.4	0.7	0.5	0.8	0.8
Phosphate as P in water	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005

Miscellaneous Inorganics						
Our Reference		321448-51	321448-52	321448-53	321448-54	321448-55
Your Reference	UNITS	3365/SW304 W/1	3365/SW304 W/2	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Date analysed	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Chlorophyll a	mg/m^3	<1	1	1	4	2
Total Suspended Solids	mg/L	22	14	6	8	17
Total Nitrogen in water	mg/L	0.7	0.5	0.7	0.7	0.7
Phosphate as P in water	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005

Miscellaneous Inorganics						
Our Reference		321448-56	321448-57	321448-58	321448-59	321448-60
Your Reference	UNITS	3365/SW306 W/2	3365/SW307 W/1	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Date analysed	-	21/04/2023	21/04/2023	21/04/2023	21/04/2023	21/04/2023
Chlorophyll a	mg/m^3	3	<1	<1	30	10
Total Suspended Solids	mg/L	16	<5	<5	420	280
Total Nitrogen in water	mg/L	0.7	0.4	0.3	0.5	0.4
Phosphate as P in water	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005

Miscellaneous Inorganics		
Our Reference		321448-65
Your Reference	UNITS	3365/GW DUP01
Date Sampled		17/04/23-20/04/23
Type of sample		Water
Date prepared	-	21/04/2023
Date analysed	-	21/04/2023
pH	pH Units	5.5
Electrical Conductivity	µS/cm	3,500

Metals in Waters - Acid extractable						
Our Reference		321448-1	321448-2	321448-3	321448-4	321448-5
Your Reference	UNITS	3365/GW01	3365/GW02	3365/GW03	3365/GW04	3365/GW05
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Date analysed	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Phosphorus - Total	mg/L	0.08	0.2	0.1	4.1	0.3

Metals in Waters - Acid extractable						
Our Reference		321448-6	321448-7	321448-8	321448-9	321448-10
Your Reference	UNITS	3365/GW06	3365/GW07	3365/SW101	3365/SW102	3365/SW103
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Date analysed	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Phosphorus - Total	mg/L	0.1	<0.05	0.4	0.2	<0.05

Metals in Waters - Acid extractable						
Our Reference		321448-11	321448-12	321448-13	321448-14	321448-15
Your Reference	UNITS	3365/SW201 W/1	3365/SW201 W/2	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Date analysed	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Phosphorus - Total	mg/L	<0.05	<0.05	0.05	<0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		321448-16	321448-17	321448-18	321448-19	321448-20
Your Reference	UNITS	3365/SW203 W/2	3365/SW204 W/1	3365/SW204 W/2	3365/SW205 W/1	3365/SW205 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Date analysed	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Phosphorus - Total	mg/L	<0.05	0.2	0.3	<0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		321448-21	321448-22	321448-23	321448-24	321448-25
Your Reference	UNITS	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Date analysed	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		321448-26	321448-27	321448-28	321448-29	321448-30
Your Reference	UNITS	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Date analysed	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		321448-31	321448-32	321448-33	321448-34	321448-35
Your Reference	UNITS	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Date analysed	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		321448-36	321448-37	321448-38	321448-39	321448-40
Your Reference	UNITS	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Date analysed	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	<0.5	<0.5

Metals in Waters - Acid extractable						
Our Reference		321448-41	321448-42	321448-43	321448-44	321448-45
Your Reference	UNITS	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2	3365/SW301 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Date analysed	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Phosphorus - Total	mg/L	<0.5	<0.5	<0.5	<0.5	0.05

Metals in Waters - Acid extractable						
Our Reference		321448-46	321448-47	321448-48	321448-49	321448-50
Your Reference	UNITS	3365/SW301 W/2	3365/SW302 W/1	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Date analysed	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Phosphorus - Total	mg/L	0.1	<0.05	<0.05	0.06	0.07

Metals in Waters - Acid extractable						
Our Reference		321448-51	321448-52	321448-53	321448-54	321448-55
Your Reference	UNITS	3365/SW304 W/1	3365/SW304 W/2	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Date analysed	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	<0.05	<0.5

Metals in Waters - Acid extractable						
Our Reference		321448-56	321448-57	321448-58	321448-59	321448-60
Your Reference	UNITS	3365/SW306 W/2	3365/SW307 W/1	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Date analysed	-	27/04/2023	27/04/2023	27/04/2023	27/04/2023	27/04/2023
Phosphorus - Total	mg/L	<0.5	<0.05	<0.05	<0.05	<0.05

Microbiologocal Testing						
Our Reference		321448-1	321448-2	321448-3	321448-4	321448-5
Your Reference	UNITS	3365/GW01	3365/GW02	3365/GW03	3365/GW04	3365/GW05
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	22/04/2023	22/04/2023	22/04/2023	22/04/2023	22/04/2023
Faecal Coliforms	cfu/100mL	450	36 A	<1000	20 mpn/100mL	490 mpn/100mL

Microbiologocal Testing						
Our Reference		321448-6	321448-7	321448-8	321448-9	321448-10
Your Reference	UNITS	3365/GW06	3365/GW07	3365/SW101	3365/SW102	3365/SW103
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	22/04/2023	22/04/2023	22/04/2023	22/04/2023	22/04/2023
Faecal Coliforms	cfu/100mL	18,000 NBO	500 A	<1,000 NBO	90 A	14,000
E. coli	cfu/100mL	[NA]	[NA]	<1,000 NBO	90 A	14,000

Microbiologocal Testing						
Our Reference		321448-11	321448-12	321448-13	321448-14	321448-15
Your Reference	UNITS	3365/SW201 W/1	3365/SW201 W/2	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	22/04/2023	22/04/2023	22/04/2023	22/04/2023	22/04/2023
Faecal Coliforms	cfu/100mL	<10	<10	<10	<10	<10
E. coli	cfu/100mL	<10	<10	<10	<10	<10

Microbiologocal Testing						
Our Reference		321448-16	321448-17	321448-18	321448-19	321448-20
Your Reference	UNITS	3365/SW203 W/2	3365/SW204 W/1	3365/SW204 W/2	3365/SW205 W/1	3365/SW205 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	22/04/2023	22/04/2023	22/04/2023	22/04/2023	22/04/2023
Faecal Coliforms	cfu/100mL	<10	100 A	150	20^ A	<10
E. coli	cfu/100mL	<10	100 A	150	20^ A	<10

Microbiologocal Testing						
Our Reference		321448-21	321448-22	321448-23	321448-24	321448-25
Your Reference	UNITS	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	22/04/2023	22/04/2023	22/04/2023	22/04/2023	22/04/2023
Faecal Coliforms	cfu/100mL	40 A	40 A	10^ A	<100	<100
E. coli	cfu/100mL	40 A	40A	10^ A	<100	<100

Microbiologocal Testing						
Our Reference		321448-26	321448-27	321448-28	321448-29	321448-30
Your Reference	UNITS	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	22/04/2023	22/04/2023	22/04/2023	22/04/2023	22/04/2023
Faecal Coliforms	cfu/100mL	10^ A	<10	<10	<10	<10
E. coli	cfu/100mL	10^ A	<10	<10	<10	<10

Microbiologocal Testing						
Our Reference		321448-31	321448-32	321448-33	321448-34	321448-35
Your Reference	UNITS	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	22/04/2023	22/04/2023	22/04/2023	22/04/2023	22/04/2023
Faecal Coliforms	cfu/100mL	<10	<10	10^ A	90 A	<10
E. coli	cfu/100mL	<10	<10	10^ A	90 A	<10

Microbiologocal Testing						
Our Reference		321448-36	321448-37	321448-38	321448-39	321448-40
Your Reference	UNITS	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	22/04/2023	22/04/2023	22/04/2023	22/04/2023	22/04/2023
Faecal Coliforms	cfu/100mL	<10	<10	<100	20^ A	<10
E. coli	cfu/100mL	<10	<10	<100	20^ A	<10

Microbiologocal Testing						
Our Reference		321448-41	321448-42	321448-43	321448-44	321448-45
Your Reference	UNITS	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2	3365/SW301 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	22/04/2023	22/04/2023	22/04/2023	22/04/2023	22/04/2023
Faecal Coliforms	cfu/100mL	<10	<10	<10	<10	880
E. coli	cfu/100mL	<10	<10	<10	<10	880

Microbiologocal Testing						
Our Reference		321448-46	321448-47	321448-48	321448-49	321448-50
Your Reference	UNITS	3365/SW301 W/2	3365/SW302 W/1	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	22/04/2023	22/04/2023	22/04/2023	22/04/2023	22/04/2023
Faecal Coliforms	cfu/100mL	3,600	5,300	3,900	200	10^ A
E. coli	cfu/100mL	3,600	5,300	3,900	200	10^ A

Microbiologocal Testing						
Our Reference		321448-51	321448-52	321448-53	321448-54	321448-55
Your Reference	UNITS	3365/SW304 W/1	3365/SW304 W/2	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	22/04/2023	22/04/2023	22/04/2023	22/04/2023	22/04/2023
Faecal Coliforms	cfu/100mL	250	330	110 A	70 A	<10
E. coli	cfu/100mL	250	330	110 A	70 A	<10

Microbiologocal Testing						
Our Reference		321448-56	321448-57	321448-58	321448-59	321448-60
Your Reference	UNITS	3365/SW306 W/2	3365/SW307 W/1	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23	17/04/23-20/04/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	22/04/2023	22/04/2023	22/04/2023	22/04/2023	22/04/2023
Faecal Coliforms	cfu/100mL	<10	80 A	40 A	17,000	150
E. coli	cfu/100mL	<10	80 A	40 A	17,000	150

Method ID	Methodology Summary
Ext-008	Subcontracted to Sonic Food & Water Testing. NATA Accreditation No. 4034.
Inorg-001	pH - Measured using pH meter and electrode in accordance with APHA latest edition, 4500-H+. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.
Inorg-002	Conductivity and Salinity - measured using a conductivity cell at 25°C in accordance with APHA latest edition 2510 and Rayment & Lyons.
Inorg-019	Suspended Solids - determined gravimetricially by filtration of the sample. The samples are dried at 104+/-5°C.
Inorg-055/062/127	Total Nitrogen - Calculation sum of TKN and oxidised Nitrogen. Alternatively analysed by combustion and chemiluminescence.
Inorg-060	Phosphate determined colourimetrically based on EPA365.1 and APHA latest edition 4500 P E. Waters samples are filtered on receipt prior to analysis. Soils are analysed following a water extraction.
INORG-119	Chlorophyll A based on APHA 10200 H latest edition.
Metals-020	Determination of various metals by ICP-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Metals-022	Determination of various metals by ICP-MS.
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-021	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			21/04/2023	11	21/04/2023	21/04/2023		21/04/2023	[NT]
Date analysed	-			21/04/2023	11	21/04/2023	21/04/2023		21/04/2023	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	<10	11	<10	<10	0	112	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	<10	11	<10	<10	0	112	[NT]
Surrogate Dibromofluoromethane	%		Org-023	101	11	102	110	8	99	[NT]
Surrogate toluene-d8	%		Org-023	100	11	101	98	3	100	[NT]
Surrogate 4-BFB	%		Org-023	103	11	103	100	3	101	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	[NT]
Date extracted	-			[NT]	21	21/04/2023	21/04/2023		21/04/2023	[NT]
Date analysed	-			[NT]	21	21/04/2023	21/04/2023		21/04/2023	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	21	<10	<10	0	116	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	21	<10	<10	0	116	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	21	102	108	6	99	[NT]
Surrogate toluene-d8	%		Org-023	[NT]	21	100	97	3	100	[NT]
Surrogate 4-BFB	%		Org-023	[NT]	21	104	102	2	102	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	[NT]
Date extracted	-			[NT]	31	21/04/2023	21/04/2023		21/04/2023	[NT]
Date analysed	-			[NT]	31	21/04/2023	21/04/2023		21/04/2023	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	31	<10	<10	0	117	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	31	<10	<10	0	117	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	31	102	108	6	100	[NT]
Surrogate toluene-d8	%		Org-023	[NT]	31	100	97	3	100	[NT]
Surrogate 4-BFB	%		Org-023	[NT]	31	104	102	2	102	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	41	21/04/2023	21/04/2023		[NT]	[NT]
Date analysed	-			[NT]	41	21/04/2023	21/04/2023		[NT]	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	41	<10	<10	0	[NT]	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	41	<10	<10	0	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	41	103	109	6	[NT]	[NT]
Surrogate toluene-d8	%		Org-023	[NT]	41	100	97	3	[NT]	[NT]
Surrogate 4-BFB	%		Org-023	[NT]	41	104	101	3	[NT]	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	51	21/04/2023	21/04/2023		[NT]	[NT]
Date analysed	-			[NT]	51	21/04/2023	21/04/2023		[NT]	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	51	<10	<10	0	[NT]	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	51	<10	<10	0	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	51	101	108	7	[NT]	[NT]
Surrogate toluene-d8	%		Org-023	[NT]	51	99	98	1	[NT]	[NT]
Surrogate 4-BFB	%		Org-023	[NT]	51	104	101	3	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	321448-10
Date extracted	-			29/04/2023	8	29/04/2023	29/04/2023		29/04/2023	29/04/2023
Date analysed	-			30/04/2023	8	29/04/2023	29/04/2023		30/04/2023	29/04/2023
TRH C_{10} - C_{14}	µg/L	50	Org-020	<50	8	<50	<50	0	103	107
TRH C_{15} - C_{28}	µg/L	100	Org-020	<100	8	380	490	25	108	108
TRH C_{29} - C_{36}	µg/L	100	Org-020	<100	8	<100	<100	0	100	98
TRH >C_{10} - C_{16}	µg/L	50	Org-020	<50	8	140	170	19	103	107
TRH >C_{16} - C_{34}	µg/L	100	Org-020	<100	8	320	440	32	108	108
TRH >C_{34} - C_{40}	µg/L	100	Org-020	<100	8	<100	<100	0	100	98
Surrogate o-Terphenyl	%		Org-020	101	8	84	87	4	83	81

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	321448-30
Date extracted	-			[NT]	18	29/04/2023	29/04/2023		29/04/2023	29/04/2023
Date analysed	-			[NT]	18	29/04/2023	29/04/2023		30/04/2023	30/04/2023
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	18	<50	<50	0	113	104
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	18	<100	<100	0	120	98
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	18	<100	<100	0	100	100
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	18	<50	<50	0	113	104
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	18	<100	<100	0	120	98
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	18	<100	<100	0	100	100
Surrogate o-Terphenyl	%		Org-020	[NT]	18	91	71	25	85	85

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	321448-50
Date extracted	-			[NT]	28	29/04/2023	29/04/2023		29/04/2023	29/04/2023
Date analysed	-			[NT]	28	30/04/2023	30/04/2023		30/04/2023	30/04/2023
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	28	<50	<50	0	97	88
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	28	<100	<100	0	111	100
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	28	<100	<100	0	86	75
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	28	<50	<50	0	97	88
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	28	<100	<100	0	111	100
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	28	<100	<100	0	86	75
Surrogate o-Terphenyl	%		Org-020	[NT]	28	81	85	5	73	70

QUALITY CONTROL: svTRH (C10-C40) in Water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	38	29/04/2023	29/04/2023		[NT]	[NT]
Date analysed	-			[NT]	38	30/04/2023	30/04/2023		[NT]	[NT]
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	38	<50	<50	0	[NT]	[NT]
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	38	<100	<100	0	[NT]	[NT]
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	38	<100	<100	0	[NT]	[NT]
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	38	<50	<50	0	[NT]	[NT]
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	38	<100	<100	0	[NT]	[NT]
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	38	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-020	[NT]	38	89	75	17	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	48	29/04/2023	29/04/2023		[NT]	[NT]
Date analysed	-			[NT]	48	30/04/2023	30/04/2023		[NT]	[NT]
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	48	<50	<50	0	[NT]	[NT]
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	48	<100	<100	0	[NT]	[NT]
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	48	<100	<100	0	[NT]	[NT]
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	48	<50	<50	0	[NT]	[NT]
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	48	<100	<100	0	[NT]	[NT]
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	48	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-020	[NT]	48	100	96	4	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	58	29/04/2023	29/04/2023		[NT]	[NT]
Date analysed	-			[NT]	58	30/04/2023	30/04/2023		[NT]	[NT]
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	58	<50	<50	0	[NT]	[NT]
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	58	<100	<100	0	[NT]	[NT]
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	58	<100	<100	0	[NT]	[NT]
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	58	<50	<50	0	[NT]	[NT]
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	58	<100	<100	0	[NT]	[NT]
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	58	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-020	[NT]	58	70	75	7	[NT]	[NT]

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	321448-29
Date extracted	-			28/04/2023	8	28/04/2023	28/04/2023		28/04/2023	28/04/2023
Date analysed	-			01/05/2023	8	01/05/2023	01/05/2023		01/05/2023	01/05/2023
Naphthalene	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	81	80
Acenaphthylene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	86	81
Fluorene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	88	81
Phenanthrene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	100	105
Anthracene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	95	96
Pyrene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	100	100
Benzo(a)anthracene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	69	85
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	85	81
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	105	8	86	95	10	107	97

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	321448-49
Date extracted	-			[NT]	18	28/04/2023	28/04/2023		28/04/2023	28/04/2023
Date analysed	-			[NT]	18	01/05/2023	01/05/2023		01/05/2023	01/05/2023
Naphthalene	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	71	63
Acenaphthylene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	74	69
Fluorene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	74	76
Phenanthrene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	98	83
Anthracene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	86	74
Pyrene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	90	76
Benzo(a)anthracene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	63	61
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	88	69
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	18	92	84	9	107	83

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	321448-60
Date extracted	-			[NT]	28	28/04/2023	28/04/2023		28/04/2023	28/04/2023
Date analysed	-			[NT]	28	01/05/2023	01/05/2023		01/05/2023	01/05/2023
Naphthalene	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	63	93
Acenaphthylene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	70	92
Fluorene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	70	105
Phenanthrene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	87	105
Anthracene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	78	96
Pyrene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	80	102
Benzo(a)anthracene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	63	68
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	65	116
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	28	81	75	8	101	109

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	38	28/04/2023	28/04/2023		[NT]	[NT]
Date analysed	-			[NT]	38	01/05/2023	01/05/2023		[NT]	[NT]
Naphthalene	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Acenaphthylene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Fluorene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Anthracene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Pyrene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Benzo(a)anthracene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	38	81	75	8	[NT]	[NT]

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	48	28/04/2023	28/04/2023		[NT]	[NT]
Date analysed	-			[NT]	48	01/05/2023	01/05/2023		[NT]	[NT]
Naphthalene	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
Acenaphthylene	µg/L	0.1	Org-022/025	[NT]	48	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	[NT]	48	<0.1	<0.1	0	[NT]	[NT]
Fluorene	µg/L	0.1	Org-022/025	[NT]	48	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	µg/L	0.1	Org-022/025	[NT]	48	<0.1	<0.1	0	[NT]	[NT]
Anthracene	µg/L	0.1	Org-022/025	[NT]	48	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	[NT]	48	<0.1	<0.1	0	[NT]	[NT]
Pyrene	µg/L	0.1	Org-022/025	[NT]	48	<0.1	<0.1	0	[NT]	[NT]
Benzo(a)anthracene	µg/L	0.1	Org-022/025	[NT]	48	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	[NT]	48	<0.1	<0.1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	[NT]	48	<0.1	<0.1	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	[NT]	48	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	[NT]	48	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	[NT]	48	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	48	81	77	5	[NT]	[NT]

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	58	28/04/2023	28/04/2023		[NT]	[NT]
Date analysed	-			[NT]	58	01/05/2023	01/05/2023		[NT]	[NT]
Naphthalene	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
Acenaphthylene	µg/L	0.1	Org-022/025	[NT]	58	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	[NT]	58	<0.1	<0.1	0	[NT]	[NT]
Fluorene	µg/L	0.1	Org-022/025	[NT]	58	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	µg/L	0.1	Org-022/025	[NT]	58	<0.1	<0.1	0	[NT]	[NT]
Anthracene	µg/L	0.1	Org-022/025	[NT]	58	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	[NT]	58	<0.1	<0.1	0	[NT]	[NT]
Pyrene	µg/L	0.1	Org-022/025	[NT]	58	<0.1	<0.1	0	[NT]	[NT]
Benzo(a)anthracene	µg/L	0.1	Org-022/025	[NT]	58	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	[NT]	58	<0.1	<0.1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	[NT]	58	<0.1	<0.1	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	[NT]	58	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	[NT]	58	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	[NT]	58	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	58	69	67	3	[NT]	[NT]

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	321448-29
Date extracted	-			28/04/2023	8	28/04/2023	28/04/2023		28/04/2023	28/04/2023
Date analysed	-			01/05/2023	8	01/05/2023	01/05/2023		01/05/2023	01/05/2023
alpha-BHC	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	81	79
HCB	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	84	85
gamma-BHC	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	77	82
delta-BHC	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	85	86
Heptachlor Epoxide	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	85	85
gamma-Chlordane	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	94	99
Dieldrin	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	93	94
Endrin	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	82	88
Endosulfan II	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	87	94
Endrin Aldehyde	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	70	76
Methoxychlor	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	86	8	77	83	8	92	76

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	321448-49
Date extracted	-			[NT]	18	28/04/2023	28/04/2023		28/04/2023	28/04/2023
Date analysed	-			[NT]	18	01/05/2023	01/05/2023		01/05/2023	01/05/2023
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	71	69
HCB	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	73	73
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	76	63
delta-BHC	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	78	65
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	79	64
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	89	75
Dieldrin	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	88	82
Endrin	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	78	75
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	84	73
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	69	64
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	18	83	72	14	83	83

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	321448-60
Date extracted	-			[NT]	28	28/04/2023	28/04/2023		28/04/2023	28/04/2023
Date analysed	-			[NT]	28	01/05/2023	01/05/2023		01/05/2023	01/05/2023
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	68	93
HCB	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	71	95
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	66	87
delta-BHC	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	70	92
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	69	90
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	79	98
Dieldrin	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	80	109
Endrin	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	75	107
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	78	102
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	68	97
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	28	72	68	6	84	106

QUALITY CONTROL: Organochlorine Pesticides in Water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	38	28/04/2023	28/04/2023		[NT]	[NT]
Date analysed	-			[NT]	38	01/05/2023	01/05/2023		[NT]	[NT]
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
HCB	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
delta-BHC	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Dieldrin	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Endrin	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	38	71	68	4	[NT]	[NT]

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	48	28/04/2023	28/04/2023		[NT]	[NT]
Date analysed	-			[NT]	48	01/05/2023	01/05/2023		[NT]	[NT]
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
HCB	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
delta-BHC	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
Dieldrin	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
Endrin	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	48	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	48	72	66	9	[NT]	[NT]

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	58	28/04/2023	28/04/2023		[NT]	[NT]
Date analysed	-			[NT]	58	01/05/2023	01/05/2023		[NT]	[NT]
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
HCB	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
delta-BHC	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
Dieldrin	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
Endrin	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	58	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	58	62	68	9	[NT]	[NT]

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	321448-29
Date extracted	-			28/04/2023	8	28/04/2023	28/04/2023		28/04/2023	28/04/2023
Date analysed	-			01/05/2023	8	01/05/2023	01/05/2023		01/05/2023	01/05/2023
Aroclor 1016	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	<2	8	<2	<2	0	108	116
Aroclor 1260	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	86	8	77	83	8	92	76

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	321448-49
Date extracted	-			[NT]	18	28/04/2023	28/04/2023		28/04/2023	28/04/2023
Date analysed	-			[NT]	18	01/05/2023	01/05/2023		01/05/2023	01/05/2023
Aroclor 1016	µg/L	2	Org-021	[NT]	18	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	[NT]	18	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	[NT]	18	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	[NT]	18	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	[NT]	18	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	[NT]	18	<2	<2	0	108	78
Aroclor 1260	µg/L	2	Org-021	[NT]	18	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	18	83	72	14	83	73

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	321448-60
Date extracted	-			[NT]	28	28/04/2023	28/04/2023		28/04/2023	28/04/2023
Date analysed	-			[NT]	28	01/05/2023	01/05/2023		01/05/2023	01/05/2023
Aroclor 1016	µg/L	2	Org-021	[NT]	28	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	[NT]	28	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	[NT]	28	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	[NT]	28	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	[NT]	28	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	[NT]	28	<2	<2	0	97	74
Aroclor 1260	µg/L	2	Org-021	[NT]	28	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	28	72	68	6	84	106

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	38	28/04/2023	28/04/2023		[NT]	[NT]
Date analysed	-			[NT]	38	01/05/2023	01/05/2023		[NT]	[NT]
Aroclor 1016	µg/L	2	Org-021	[NT]	38	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	[NT]	38	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	[NT]	38	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	[NT]	38	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	[NT]	38	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	[NT]	38	<2	<2	0	[NT]	[NT]
Aroclor 1260	µg/L	2	Org-021	[NT]	38	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	38	71	68	4	[NT]	[NT]

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	48	28/04/2023	28/04/2023		[NT]	[NT]
Date analysed	-			[NT]	48	01/05/2023	01/05/2023		[NT]	[NT]
Aroclor 1016	µg/L	2	Org-021	[NT]	48	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	[NT]	48	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	[NT]	48	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	[NT]	48	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	[NT]	48	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	[NT]	48	<2	<2	0	[NT]	[NT]
Aroclor 1260	µg/L	2	Org-021	[NT]	48	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	48	72	66	9	[NT]	[NT]

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	58	28/04/2023	28/04/2023		[NT]	[NT]
Date analysed	-			[NT]	58	01/05/2023	01/05/2023		[NT]	[NT]
Aroclor 1016	µg/L	2	Org-021	[NT]	58	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	[NT]	58	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	[NT]	58	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	[NT]	58	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	[NT]	58	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	[NT]	58	<2	<2	0	[NT]	[NT]
Aroclor 1260	µg/L	2	Org-021	[NT]	58	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	58	62	68	9	[NT]	[NT]

QUALITY CONTROL: HM in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	321448-9
Date prepared	-			27/04/2023	8	27/04/2023	27/04/2023		27/04/2023	27/04/2023
Date analysed	-			28/04/2023	8	28/04/2023	28/04/2023		28/04/2023	28/04/2023
Aluminium-Total	µg/L	10	Metals-022	<10	8	580	550	5	90	[NT]
Arsenic-Total	µg/L	1	Metals-022	<1	8	2	2	0	93	[NT]
Chromium-Total	µg/L	1	Metals-022	<1	8	<1	<1	0	92	[NT]
Copper-Total	µg/L	1	Metals-022	<1	8	2	2	0	94	[NT]
Iron-Total	µg/L	10	Metals-022	<10	8	2500	2400	4	88	[NT]
Mercury-Total	µg/L	0.05	Metals-021	<0.05	8	<0.05	<0.05	0	99	101
Lead-Total	µg/L	1	Metals-022	<1	8	<1	<1	0	97	[NT]
Selenium-Total	µg/L	1	Metals-022	<1	8	<1	<1	0	90	[NT]
Zinc-Total	µg/L	1	Metals-022	<1	8	7	7	0	94	[NT]

QUALITY CONTROL: HM in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W4	321448-12
Date prepared	-			[NT]	11	27/04/2023	27/04/2023		27/04/2023	27/04/2023
Date analysed	-			[NT]	11	28/04/2023	28/04/2023		28/04/2023	28/04/2023
Aluminium-Total	µg/L	10	Metals-022	[NT]	11	60	60	0	86	101
Arsenic-Total	µg/L	1	Metals-022	[NT]	11	1	2	67	96	112
Chromium-Total	µg/L	1	Metals-022	[NT]	11	<1	<1	0	92	113
Copper-Total	µg/L	1	Metals-022	[NT]	11	<1	<1	0	94	96
Iron-Total	µg/L	10	Metals-022	[NT]	11	140	140	0	86	122
Mercury-Total	µg/L	0.05	Metals-021	[NT]	11	<0.05	[NT]		103	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	11	<1	<1	0	98	82
Selenium-Total	µg/L	1	Metals-022	[NT]	11	<1	<1	0	89	82
Zinc-Total	µg/L	1	Metals-022	[NT]	11	1	1	0	93	101

QUALITY CONTROL: HM in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W5	321448-29
Date prepared	-			[NT]	17	27/04/2023	27/04/2023		27/04/2023	27/04/2023
Date analysed	-			[NT]	17	28/04/2023	28/04/2023		28/04/2023	28/04/2023
Aluminium-Total	µg/L	10	Metals-022	[NT]	17	1200	[NT]		86	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	17	4	[NT]		97	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	17	3	[NT]		95	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	17	1	[NT]		95	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	17	2200	[NT]		90	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	17	<0.05	<0.05	0	99	108
Lead-Total	µg/L	1	Metals-022	[NT]	17	1	[NT]		98	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	17	<1	[NT]		89	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	17	5	[NT]		93	[NT]

QUALITY CONTROL: HM in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	321448-30
Date prepared	-			[NT]	28	27/04/2023	27/04/2023		[NT]	27/04/2023
Date analysed	-			[NT]	28	28/04/2023	28/04/2023		[NT]	28/04/2023
Aluminium-Total	µg/L	10	Metals-022	[NT]	28	60	60	0	[NT]	#
Arsenic-Total	µg/L	1	Metals-022	[NT]	28	2	2	0	[NT]	112
Chromium-Total	µg/L	1	Metals-022	[NT]	28	<1	<1	0	[NT]	108
Copper-Total	µg/L	1	Metals-022	[NT]	28	<1	<1	0	[NT]	92
Iron-Total	µg/L	10	Metals-022	[NT]	28	110	120	9	[NT]	#
Mercury-Total	µg/L	0.05	Metals-021	[NT]	28	<0.05	<0.05	0	[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	28	<1	<1	0	[NT]	81
Selenium-Total	µg/L	1	Metals-022	[NT]	28	<1	<1	0	[NT]	84
Zinc-Total	µg/L	1	Metals-022	[NT]	28	<1	<1	0	[NT]	95

QUALITY CONTROL: HM in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	321448-49
Date prepared	-			[NT]	35	27/04/2023	27/04/2023		[NT]	27/04/2023
Date analysed	-			[NT]	35	28/04/2023	28/04/2023		[NT]	28/04/2023
Aluminium-Total	µg/L	10	Metals-022	[NT]	35	90	[NT]		[NT]	#
Arsenic-Total	µg/L	1	Metals-022	[NT]	35	2	[NT]		[NT]	113
Chromium-Total	µg/L	1	Metals-022	[NT]	35	1	[NT]		[NT]	106
Copper-Total	µg/L	1	Metals-022	[NT]	35	<1	[NT]		[NT]	94
Iron-Total	µg/L	10	Metals-022	[NT]	35	150	[NT]		[NT]	#
Mercury-Total	µg/L	0.05	Metals-021	[NT]	35	<0.05	<0.05	0	[NT]	112
Lead-Total	µg/L	1	Metals-022	[NT]	35	<1	[NT]		[NT]	86
Selenium-Total	µg/L	1	Metals-022	[NT]	35	<1	[NT]		[NT]	86
Zinc-Total	µg/L	1	Metals-022	[NT]	35	4	[NT]		[NT]	98

QUALITY CONTROL: HM in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	37	27/04/2023	27/04/2023		[NT]	[NT]
Date analysed	-			[NT]	37	28/04/2023	28/04/2023		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	37	90	110	20	[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	37	2	2	0	[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	37	<1	<1	0	[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	37	<1	<1	0	[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	37	160	160	0	[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	37	<0.05	[NT]		[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	37	<1	<1	0	[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	37	<1	<1	0	[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	37	2	3	40	[NT]	[NT]

QUALITY CONTROL: HM in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	48	27/04/2023	27/04/2023		[NT]	[NT]
Date analysed	-			[NT]	48	28/04/2023	28/04/2023		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	48	800	770	4	[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	48	<1	<1	0	[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	48	1	1	0	[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	48	2	2	0	[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	48	610	610	0	[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	48	<0.05	<0.05	0	[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	48	<1	<1	0	[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	48	<1	<1	0	[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	48	9	9	0	[NT]	[NT]

QUALITY CONTROL: HM in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	53	27/04/2023	27/04/2023		[NT]	[NT]
Date analysed	-			[NT]	53	28/04/2023	28/04/2023		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	53	220	[NT]		[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	53	<1	[NT]		[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	53	<1	[NT]		[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	53	3	[NT]		[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	53	560	[NT]		[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	53	<0.05	<0.05	0	[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	53	<1	[NT]		[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	53	<1	[NT]		[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	53	8	[NT]		[NT]	[NT]

QUALITY CONTROL: HM in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	57	27/04/2023	27/04/2023		[NT]	[NT]
Date analysed	-			[NT]	57	28/04/2023	28/04/2023		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	57	230	210	9	[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	57	<1	<1	0	[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	57	<1	<1	0	[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	57	<1	<1	0	[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	57	780	790	1	[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	57	<0.05	[NT]		[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	57	<1	<1	0	[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	57	<1	<1	0	[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	57	10	8	22	[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	321448-2
Date prepared	-			21/04/2023	1	21/04/2023	21/04/2023		21/04/2023	21/04/2023
Date analysed	-			21/04/2023	1	21/04/2023	21/04/2023		21/04/2023	21/04/2023
Chlorophyll a	mg/m^3	1	INORG-119	<1	8	<1	[NT]		87	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	<5	8	16	14	13	109	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	<0.1	1	0.4	0.4	0	92	85
Phosphate as P in water	mg/L	0.005	Inorg-060	<0.005	1	<0.005	<0.005	0	110	[NT]
pH	pH Units		Inorg-001	[NT]	[NT]	[NT]	[NT]	[NT]	98	[NT]
Electrical Conductivity	µS/cm	1	Inorg-002	<1	[NT]	[NT]	[NT]	[NT]	98	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	321448-8
Date prepared	-			[NT]	6	21/04/2023	21/04/2023		21/04/2023	21/04/2023
Date analysed	-			[NT]	6	21/04/2023	21/04/2023		21/04/2023	21/04/2023
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	11	<1	[NT]		87	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	11	<5	[NT]		100	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	6	0.4	[NT]		93	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	6	0.091	0.091	0	110	130

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	321448-22
Date prepared	-			[NT]	8	21/04/2023	21/04/2023		21/04/2023	21/04/2023
Date analysed	-			[NT]	8	21/04/2023	21/04/2023		21/04/2023	21/04/2023
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	17	10	[NT]		84	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	17	180	190	5	99	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	8	5.4	[NT]		89	87
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	8	0.064	[NT]		111	111

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	321448-42
Date prepared	-			[NT]	11	21/04/2023	21/04/2023		[NT]	21/04/2023
Date analysed	-			[NT]	11	21/04/2023	21/04/2023		[NT]	21/04/2023
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	11	0.2	0.1	67	[NT]	85
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	11	0.02	[NT]		[NT]	109
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	21	<1	[NT]		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	21	6	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	17	21/04/2023	21/04/2023		[NT]	[NT]
Date analysed	-			[NT]	17	21/04/2023	21/04/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	17	0.8	[NT]		[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	17	0.006	[NT]		[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	31	<1	[NT]		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	31	6	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	21	21/04/2023	21/04/2023		[NT]	[NT]
Date analysed	-			[NT]	21	21/04/2023	21/04/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	21	0.1	0.1	0	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	21	0.01	0.01	0	[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	36	<1	[NT]		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	36	<5	<5	0	[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	31	21/04/2023	21/04/2023		[NT]	[NT]
Date analysed	-			[NT]	31	21/04/2023	21/04/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	31	0.1	0.1	0	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	31	0.01	0.01	0	[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	41	<1	[NT]		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	41	<5	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	36	21/04/2023	21/04/2023		[NT]	[NT]
Date analysed	-			[NT]	36	21/04/2023	21/04/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	36	0.1	[NT]		[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	36	0.01	[NT]		[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	46	10	[NT]		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	46	340	350	3	[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	41	21/04/2023	21/04/2023		[NT]	[NT]
Date analysed	-			[NT]	41	21/04/2023	21/04/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	41	<0.1	<0.1	0	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	41	0.008	0.01	22	[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	51	<1	[NT]		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	51	22	17	26	[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	46	21/04/2023	21/04/2023		[NT]	[NT]
Date analysed	-			[NT]	46	21/04/2023	21/04/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	46	0.4	[NT]		[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	46	<0.005	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	51	21/04/2023	21/04/2023		[NT]	[NT]
Date analysed	-			[NT]	51	21/04/2023	21/04/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	51	0.7	0.7	0	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	51	<0.005	<0.005	0	[NT]	[NT]

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	321448-2
Date prepared	-			27/04/2023	8	27/04/2023	27/04/2023		27/04/2023	27/04/2023
Date analysed	-			27/04/2023	8	27/04/2023	27/04/2023		27/04/2023	27/04/2023
Phosphorus - Total	mg/L	0.05	Metals-020	<0.05	8	0.4	0.4	0	97	102

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	321448-29
Date prepared	-			[NT]	11	27/04/2023	27/04/2023		27/04/2023	27/04/2023
Date analysed	-			[NT]	11	27/04/2023	27/04/2023		27/04/2023	27/04/2023
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	11	<0.05	<0.05	0	107	89

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	321448-50
Date prepared	-			[NT]	28	27/04/2023	27/04/2023		27/04/2023	27/04/2023
Date analysed	-			[NT]	28	27/04/2023	27/04/2023		27/04/2023	27/04/2023
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	28	<0.05	<0.05	0	105	97

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	37	27/04/2023	27/04/2023		[NT]	[NT]
Date analysed	-			[NT]	37	27/04/2023	27/04/2023		[NT]	[NT]
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	37	<0.05	<0.05	0	[NT]	[NT]

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	48	27/04/2023	27/04/2023		[NT]	[NT]
Date analysed	-			[NT]	48	27/04/2023	27/04/2023		[NT]	[NT]
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	48	<0.05	<0.05	0	[NT]	[NT]

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	57	27/04/2023	27/04/2023		[NT]	[NT]
Date analysed	-			[NT]	57	27/04/2023	27/04/2023		[NT]	[NT]
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	57	<0.05	<0.05	0	[NT]	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

The recommended maximums for analytes in urine are taken from “2018 TLVs and BEIs”, as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016.

Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Where matrix spike recoveries fall below the lower limit of the acceptance criteria (e.g. for non-labile or standard Organics <60%), positive result(s) in the parent sample will subsequently have a higher than typical estimated uncertainty (MU estimates supplied on request) and in these circumstances the sample result is likely biased significantly low.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Report Comments

Microbiology analysed by Sonic Food & Water Testing. Report No. W2309529
The time between collection and the commencement of testing should not exceed 24 hours. Samples tested outside this time may have their results compromised
NBO: The presence of competing background organisms in the sample may have reduced the count.
A: Approximate
^ The stated result may be statistically unreliable

8 Metals in Waters - total - The PQL has been raised for P for samples #39-44,55-56 due to the sample matrix requiring dilution.

8 HM in water - total - # Percent recovery is not applicable due to the high concentration of the element/s in the sample/s. However an acceptable recovery was obtained for the LCS.

Total Nitrogen in water: sample #11 and 11d RPD is accepted as <5*PQL

Lab Document Event 5

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SAMPLE RECEIPT ADVICE

Client Details

Client	Martens & Associates Pty Ltd
Attention	Andrew Norris, William Xu

Sample Login Details

Your reference	P1203365 - Water Sampling, West Culburra, NSW
Envirolab Reference	321448
Date Sample Received	21/04/2023
Date Instructions Received	21/04/2023
Date Results Expected to be Reported	01/05/2023

Sample Condition

Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	65 Water
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	1
Cooling Method	Ice
Sampling Date Provided	YES

Comments

Nil

Please direct any queries to:

Aileen Hie	Jacinta Hurst
Phone: 02 9910 6200	**Phone: 02 9910 6200**
Fax: 02 9910 6201	**Fax: 02 9910 6201**
Email: ahie@envirolab.com.au	**Email: jhurst@envirolab.com.au**

Analysis Underway, details on the following page:

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Sample ID	vTRH in Water (C6-C9) NEPM	svTRH (C10-C40) in Water	PAHs in Water	Organochlorine Pesticides in Water	PCBs in Water	HM in water - total	Chlorophyll a	Total Suspended Solids	Total Nitrogen in water	Phosphate as P in water	pH	Electrical Conductivity	Metals in Waters -Acid extractable	Microbiologocal Testing
3365/GW01									✓	✓			✓	✓
3365/GW02									✓	✓			✓	✓
3365/GW03									✓	✓			✓	✓
3365/GW04									✓	✓			✓	✓
3365/GW05									✓	✓			✓	✓
3365/GW06									✓	✓			✓	✓
3365/GW07									✓	✓			✓	✓
3365/SW101	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW102	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW103	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW201 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW201 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW202 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW202 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW203 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW203 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW204 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW204 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW205 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW205 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW206 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW206 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW207 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW207 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW208 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW208 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW209 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW209 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW210 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW210 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW211 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW211 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓

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Sample ID	vTRH in Water (C6-C9) NEPM	svTRH (C10-C40) in Water	PAHs in Water	Organochlorine Pesticides in Water	PCBs in Water	HM in water - total	Chlorophyll a	Total Suspended Solids	Total Nitrogen in water	Phosphate as P in water	pH	Electrical Conductivity	Metals in Waters -Acid extractable	Microbiologocal Testing
3365/SW212 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW212 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW213 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW213 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW214 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW214 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW215 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW215 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW216 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW216 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW217 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW217 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW301 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW301 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW302 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW302 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW303 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW303 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW304 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW304 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW305 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW305 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW306 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW306 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW307 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW307 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW308 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/SW308 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
3365/DUP01						✓								
3365/DUP02						✓								
3365/DUP03						✓								
3365/DUP04						✓								

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Sample ID	vTRH in Water (C6-C9) NEPM	svTRH (C10-C40) in Water	PAHs in Water	Organochlorine Pesticides in Water	PCBs in Water	HM in water - total	Chlorophyll a	Total Suspended Solids	Total Nitrogen in water	Phosphate as P in water	pH	Electrical Conductivity	Metals in Waters -Acid extractable	Microbiologocal Testing
3365/GW DUP01											✓	✓		

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.
Requests for longer term sample storage must be received in writing.
Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.
TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

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SAMPLE ANALYSIS CHAIN OF CUSTODY FORM

WEST CULBURRA – ENVIROLAB QUOTATION – 22SY375_B0												
Name	P1203365 – Water Sampling, West Culburra, NSW											
Martens Contact Officer	William Xu					**Contact Email**	wxu@martens.com.au					
Sampling and Shipping	**Sample Date**	17 to 20.04.2023		**Dispatch Date**		21.04.2023	**Turnaround Time**				Standard	
	Our Reference	P1203365COC26V01				**Shipping Method (X)**	**Hand**	**X**	**Post**		**Courier**	
	On Ice (X)	**X**	**No Ice (X)**		**Other (X)**							
Laboratory												
Name	Envirolab Services P/L											
Sample Delivery Address	12 Ashley St, Chatswood											
Delivery Contact	**Name**	Sample Receipt	**Phone**	02 9910 6200	**Fax**		**Email**	samplereceipt@envirolabservices.com.au				
Please Send Report By (X)	**Post**		**Fax**		**Email**	**X**	**Reporting Email Address**	wxu@martens.com.au and CC ANorris@martens.com.au				

	Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN. TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
1	3365/GW01						X	
2	3365/GW02						X	
3	3365/GW03						X	
4	3365/GW04						X	
5	3365/GW05						X	
6	3365/GW06						X	
7	3365/GW07						X	
							X	
8	3365/SW101	X	X	X	X			
9	3365/SW102	X	X	X	X			
10	3365/SW103	X	X	X	X			

Envirolab Services
12 Ashley St
Chatswood [illegible] 1657
Ph: (02) 9910 6200

321448

Date Received: 21/04/23
Time Received: 1230
Received By: SP, EW
Temp: Cool/Ambient
Cooling: Ice/Icepack
Security: [illegible]

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Hornsby NSW 2077, Australia
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MARTENS & ASSOCIATES P/L
ABN 85 070 240 890 ACN 070 240 890

SOIL ANALYSIS CHAIN OF CUSTODY

	Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN. TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
41	3365/SW216 W/1	X	X	X	X			
42	3365/SW216 W/2	X	X	X	X			
43	3365/SW217 W/1	X	X	X	X			
44	3365/SW217 W/2	X	X	X	X			
45	3365/SW301 W/1	X	X	X	X			
46	3365/SW301 W/2	X	X	X	X			
47	3365/SW302 W/1	X	X	X	X			
48	3365/SW302 W/2	X	X	X	X			
49	3365/SW303 W/1	X	X	X	X			
50	3365/SW303 W/2	X	X	X	X			
51	3365/SW304 W/1	X	X	X	X			
52	3365/SW304 W/2	X	X	X	X			
53	3365/SW305 W/1	X	X	X	X			
54	3365/SW305 W/2	X	X	X	X			
56 ←	~~55~~ 3365/SW306 W/2	X	X	X	X			
55	56 3365/SW306 W/1	X	X	X	X			
56	57 3365/SW306 W/2	X	X	X	X			
57	58 3365/SW307 W/1	X	X	X	X			
58	59 3365/SW307 W/2	X	X	X	X			
59	60 3365/SW308 W/1	X	X	X	X			
60	61 3365/SW308 W/2	X	X	X	X			
61	62 3365/DUP01	X						
62	63 3365/DUP02	X						
63	64 3365/DUP03	X						
64	65 3365/DUP04	X						
65	66 3365/GW DUP01					X		

* 3214480

SOIL ANALYSIS CHAIN OF CUSTODY

	Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN. TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
11	3365/SW201 W/1	X	X	X	X			
12	3365/SW201 W/2	X	X	X	X			
13	3365/SW202 W/1	X	X	X	X			
14	3365/SW202 W/2	X	X	X	X			
15	3365/SW203 W/1	X	X	X	X			
16	3365/SW203 W/2	X	X	X	X			
17	3365/SW204 W/1	X	X	X	X			
18	3365/SW204 W/2	X	X	X	X			
19	3365/SW205 W/1	X	X	X	X			
20	3365/SW205 W/2	X	X	X	X			
21	3365/SW206 W/1	X	X	X	X			
22	3365/SW206 W/2	X	X	X	X			
23	3365/SW207 W/1	X	X	X	X			
24	3365/SW207 W/2	X	X	X	X			
25	3365/SW208 W/1	X	X	X	X			
26	3365/SW208 W/2	X	X	X	X			
27	3365/SW209 W/1	X	X	X	X			
28	3365/SW209 W/2	X	X	X	X			
29	3365/SW210 W/1	X	X	X	X			
30	3365/SW210 W/2	X	X	X	X			
31	3365/SW211 W/1	X	X	X	X			
32	3365/SW211 W/2	X	X	X	X			
33	3365/SW212 W/1	X	X	X	X			
34	3365/SW212 W/2	X	X	X	X			
35	3365/SW213 W/1	X	X	X	X			
36	3365/SW213 W/2	X	X	X	X			
37	3365/SW214 W/1	X	X	X	X			
38	3365/SW214 W/2	X	X	X	X			
39	3365/SW215 W/1	X	X	X	X			
40	3365/SW215 W/2	X	X	X	X			

* 321448

Field Sheet Event 5

WATER SAMPLING FORM - Surface Water

martens consulting engineers since 1989

PROJECT INFORMATION

PROJECT NUMBER: 3365

CLIENT: Sealark Pty Ltd

SITE LOCATION: Culburra

MONTHLY / BIMONTHLY: Bimonthly (Event 5)

WET WEATHER (Y/N): N

DATE: 17 – 18 / 04 / 2023

SAMPLED BY: TR + WX

ROLE: sampler / engineer

SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
101		E: 293805.1577 N: 6132989.967	WQ Meter	17.0	6.4	93.0	-0.17		198.1	67.7	Translucent, pale yellow, pale brown, no sheen, no odor, Y
102		E: 293965.373 N: 6132268.998	WQ Meter	17.1	9.00	116.2	-0.15		134.4	50.66	no sheen, no odor, Y
103		E: 294551.5727 N: 6132544.192	WQ Meter	16.8	6.79	38.8	-0.19		138.8	110.39	no sheen, no odor, Y
301		E: 294133.1279 N: 6132132.344									no sheen, no odor, Y
302	10:50	E: 294417.7457 N: 6131862.805	WQ Meter	16.2	5.98	141.3	-0.19		316.4	64.8	no sheen, no odor, Y
303		E: 294968.1325 N: 6131646.043	WQ Meter	22.9	8.53	118.2	-0.12		42442	64.96	Translucent, pale brown, no sheen, no odour, Y
304		E: 293592.1655 N: 6131495.252									no sheen, no odor, Y
305		E: 293972.9125 N: 6131247.39	WQ Meter	21.9	7.94	124.6	-0.13		41522	27.76	Translucent, pale brown, no sheen or odour, Y
306		E: 294344.2352 N: 6130631.032	WQ Meter	20.0	8.58	102.8	-0.13		44100	139.63	no sheen, no odor, Y
307		E: 292325.5219 N: 6131083.405	WQ Meter	14.6	4.88	213.9	-0.20		386.6	13.47	no sheen, no odor, Y
308		E: 293716.568 N: 6130800.672	WQ Meter	16.1	4.51	277.3	-0.20		1048	118.21	Translucent, pale brown, no sheen or odour.,Y, Dup 02

Sample bottle codes: P-plastic, G - glass, V - vial

Preservation Codes - U - unpreserved, S -sulfuric acid, N - nitric acid, H - hydrochloric acid

WATER SAMPLING FORM - Estuary Surface Water

martens consulting engineers since 1989

PROJECT INFORMATION

PROJECT NUMBER: 3365

CLIENT: Sealark Pty Ltd

SITE LOCATION: Culburra

MONTHLY / BIMONTHLY: Bimonthly (Event 5)

WET WEATHER (Y/N): N

DATE: 19 – 20 / 04 / 2023

SAMPLED BY: TR + WX

ROLE: sampler / engineer

SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
201		E: 291599.8406 N: 6132279.365	WQ Meter	19.1	7.83	108.1	-0.15		41624	7.62	No sheen, no odor, Y
202		E: 292093.6809 N: 6132720.429	WQ Meter	19.3	7.89	110.2	-0.14		42072	9.64	No sheen, no odor, Y
203		E: 292802.3981 N: 6133121.909	WQ Meter	19.6	7.92	113.4	-0.14		43437	13.72	No sheen, no odor, Y
204		E: 293266.0802 N: 6132876.874	WQ Meter	16.9	7.35	91.8	-0.17		33165	42.42	No sheen, no odor, Y
205		E: 293605.3597 N: 6133080.442	WQ Meter	19.2	7.87	120.4	-0.14		42898	11.93	No sheen, no odor, Y
206		E: 293650.597 N: 6133344.326	WQ Meter	19.5	7.92	118.4	-0.14		44018	9.49	No sheen, no odor, Y
207		E: 293920.1357 N: 6133182.226	WQ Meter	18.7	7.89	120.6	-0.15		41818	13.26	No sheen, no odor, Y
208		E: 293893.7473 N: 6133355.635	WQ Meter	20.2	8.00	122.2	-0.13		46767	9.24	Dup 03, no sheen, no odor, Y

Sample bottle codes: P-plastic, G - glass, V - vial

Preservation Codes - U - unpreserved, S -sulfuric acid, N - nitric acid, H - hydrochloric acid

WATER SAMPLING FORM - Estuary Surface Water

0

PROJECT INFORMATION

PROJECT NUMBER: 3365

MONTHLY / BIMONTHLY: Bimonthly (Event 5)

SAMPLED BY: TR + WX

CLIENT: Sealark Pty Ltd

WET WEATHER (Y/N): N

ROLE: sampler / engineer

SITE LOCATION: Culburra

DATE: 19 – 20 / 04 / 2023

SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
209		E: 294229.2571 N: 6133216.154	WQ Meter	19.9	7.98	118.4	-0.14		45152	16.05	No sheen, no odor, Y
210		E: 294591.1553 N: 6132850.486	WQ Meter	18.2	7.59	115.9	-0.17		43167	17.07	No sheen, no odor, Y
211		E: 294994.521 N: 6132922.111	WQ Meter	18.5	7.90	111.3	-0.15		41215	17.25	DUP 04, no sheen, no odor, Y
212		E: 294583.6157 N: 6133133.219	WQ Meter	19.5	7.93	117.9	-0.14		42134	13.31	No sheen, no odor, Y
213		E: 294847.4998 N: 6133472.498	WQ Meter	19.2	7.88	111.4	-0.14		42019	18.24	No sheen, no odor, Y
214		E: 294994.521 N: 6133970.108	WQ Meter	18.6	7.90	106.4	-0.15		41545	17.33	No sheen, no odor, Y
215		E: 293950.2939 N: 6133668.526	WQ Meter	20.5	8.04	128.7	-0.15		48293	8.32	No sheen, no odor, Y
216		E: 293079.4764 N: 6134471.488	WQ Meter	20.7	8.03	133.6	-0.13		31615	6.60	No sheen, no odor, Y
217		E: 293520.5398 N: 6134963.443									

Sample bottle codes: P-plastic, G - glass, V - vial

Preservation Codes - U - unpreserved, S -sulfuric acid, N - nitric acid, H - hydrochloric acid

WQ calibration certificate Event 5

Multi Parameter Water Meter

Instrument YSI Pro DSS
Serial No. 21K101476

Air-Met Scientific Pty Ltd
1300 137 067

Item	Test	Pass	Comments
Battery	Charge Condition	✓	
	Fuses	✓	
	Capacity	✓	
	Recharge OK?	✓	
Switch/keypad	Operation	✓	
Display	Intensity	✓	
	Operation (segments)	✓	
Grill Filter	Condition	✓	
	Seal	✓	
PCB	Condition	✓	
Connectors	Condition	✓	
Sensor	1. pH/ORP	✓	
	2. Turbidity	✓	
	3. Conductivity	✓	
	4. D.O	✓	
	5. Temp	✓	
	6. Depth	x	
Alarms	Beeper		
	Settings		
Software	Version		
Data logger	Operation		
Download	Operation		
Other tests:			

Certificate of Calibration

This is to certify that the above instrument has been calibrated to the following specifications:

Sensor	Serial no	Standard Solutions	Certified	Solution Bottle Number	Instrument Reading
1. pH 7.00		pH 7.00	NIST	393774	pH 6.95
2. pH 4.00		pH 4.00	NIST	399527	pH 3.98
3. mV		231.64mV	NIST	398884/400204	231.6mV
4. EC		2760uS	NIST	385789	2760uS
6. D.O		0.0%	NIST	391223	-0.2%
7. Temp		24.2 C	NIST		23.3 C
8.Tubidity		100NTU	NIST	396426	99.28 NTU

Calibrated by: **Adam Nikolic**

Calibration date: **6/04/2023**

Next calibration due: **7/10/2023**

Appendix M – Event 6 Data

Table 37: Surface water - laboratory data event 6

		TRH					Biological			Halogenated Benzenes	Inorganics				Metals								
		C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)	Aluminium	Arsenic	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
		µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL		10	50	100	100	50	1	1	0.005	0.2	0.1	0.05	0.005	5	0.01	0.001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Date**																						
SW301	01 May 2023	<100	<50	<100	<100	<50	400 A	400 A	<0.005	<0.2	1.2	<0.05	<0.005	10	1.5	<0.001	0.002	0.002	1.4	0.002	<0.00005	<0.001	0.035
SW301	01 May 2023	<100	<50	<100	<100	<50	1,000 A	1,000 A	<0.005	<0.2	1.1	<0.05	<0.005	21	1.6	<0.001	0.002	0.002	1.3	0.002	<0.00005	<0.001	0.008
SW302	01 May 2023	<10	<50	<100	<100	<50	910 A	910 A	<0.005	<0.2	1.1	<0.05	<0.005	12	1.2	<0.001	0.002	0.001	1.3	0.001	<0.00005	<0.001	0.004
SW302	01 May 2023	<10	<50	<100	<100	<50	8,000 A	8,000 A	<0.005	<0.2	1.6	<0.05	<0.005	56	1.5	<0.001	0.003	0.002	2	0.002	<0.00005	<0.001	0.007
SW303	01 May 2023	<10	<50	<100	<100	<50	300 A	300 A	<0.005	<0.2	0.7	<0.05	0.01	15	0.24	0.002	<0.001	<0.001	0.42	<0.001	<0.00005	<0.001	0.001
SW303	01 May 2023	<10	<50	<100	<100	<50	600 A	600 A	<0.005	<0.2	0.7	<0.05	<0.005	43	0.26	0.001	<0.001	<0.001	0.42	<0.001	<0.00005	<0.001	0.002
SW304	01 May 2023	<10	<50	<100	<100	<50	3,000 A	3,000 A	<0.005	<0.2	1.9	<0.05	0.01	50	3.6	0.001	0.004	0.002	4.3	0.003	<0.00005	<0.001	0.006
SW304	01 May 2023	<100	<50	<100	<100	<50	730 A	730 A	<0.005	<0.2	2.0	<0.05	<0.005	41	4	0.001	0.004	0.002	4.5	0.004	<0.00005	<0.001	0.006
SW305	01 May 2023	<100	<50	<100	<100	<50	5,000 A	5,000 A	<0.005	<0.2	1.5	<0.05	<0.005	20	1.5	<0.001	0.002	0.002	2.1	0.001	<0.00005	<0.001	0.003
SW305	01 May 2023	<100	<50	<100	<100	<50	6,000 A	6,000 A	<0.005	<0.2	1.7	<0.05	<0.005	23	1.7	<0.001	0.002	0.002	2	0.002	<0.00005	<0.001	0.005
SW306	01 May 2023	<100	<50	<100	<100	<50	4,000 A	4,000 A	<0.005	<0.2	0.9	0.07	<0.005	130	0.76	0.002	0.002	0.001	1.2	0.001	<0.00005	<0.001	0.003
SW306	01 May 2023	<100	<50	<100	<100	<50	270 A	270 A	<0.005	<0.2	0.8	<0.05	<0.005	48	0.72	0.001	0.001	0.001	0.84	<0.001	<0.00005	<0.001	<0.001
SW307	01 May 2023	<100	<50	<100	<100	<50	300 A	300 A	<0.005	<0.2	1.5	<0.05	<0.005	<5	1.8	<0.001	0.002	0.002	1.9	0.002	<0.00005	<0.001	0.01
SW307	01 May 2023	<100	140	<100	<100	140	2,000.0	2,000.0	<0.005	<0.2	1.5	<0.05	<0.005	<5	1.6	<0.001	0.002	0.002	2.4	0.002	<0.00005	<0.001	0.004
SW308	01 May 2023	<100	<50	<100	<100	<50	600 A	600 A	<0.005	<0.2	1.5	0.06	<0.005	10	3	0.001	0.004	0.003	4.7	0.004	<0.00005	<0.001	0.005
SW308	01 May 2023	<100	<50	<100	<100	<50	1,500.0	1,500.0	<0.005	<0.2	1.4	<0.05	<0.005	67	1.9	<0.001	0.003	0.003	2.9	0.002	<0.00005	<0.001	0.009
Statistics																							
Number of Results		16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
Number of Detects		0	1	0	0	1	2	2	0	0	16	2	2	14	16	7	14	14	16	13	0	0	15
Minimum Concentration		<10	<50	<100	<100	<50	1,500	1,500	<0.005	<0.2	0.7	<0.05	<0.005	<5	0.24	0.001	0.001	0.001	0.42	0.001	<0.00005	<0.001	0.001
Maximum Concentration		<100	140	<100	<100	140	2,000	2,000	<0.005	<0.2	2	0.07	0.01	130	4	0.002	0.004	0.003	4.7	0.004	<0.00005	<0.001	0.035
Average Concentration *		72	56	100	100	56	1,750	1,750	0.005	0.2	1.3	0.052	0.0056	35	1.7	0.0011	0.0023	0.0018	2.1	0.0019	0.00005	0.001	0.0068
Median Concentration *		100	50	100	100	50	1,750	1,750	0.005	0.2	1.45	0.05	0.005	22	1.55	0.001	0.002	0.002	1.95	0.002	0.00005	0.001	0.005

* A Non Detect Multiplier of 1 has been applied.

		Organochlorine Pesticides																		
		4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Date**																			
SW301	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW301	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW302	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW302	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW303	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW303	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW304	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW304	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW307	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW307	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW308	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW308	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Statistics

Number of Results		**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Maximum Concentration		**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Average Concentration *		**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**
Median Concentration *		**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

* A Non Detect Multiplier of 1 has been applied.

		PAH																
		Benzo(b+j+k)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
		mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL		0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0005	0.0001
Location Code	**Date**																	
SW301	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW301	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW302	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW302	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW303	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW303	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW304	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW304	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW305	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW305	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW306	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW306	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW307	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW307	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW308	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW308	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001

Statistics

Number of Results	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Maximum Concentration	**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Average Concentration *	**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.0005**	**0.0001**
Median Concentration *	**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.0005**	**0.0001**

* A Non Detect Multiplier of 1 has been applied.

		PCBs							TPH				
		Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Date**												
SW301	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
SW301	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
SW302	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW302	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW303	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW303	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW304	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW304	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
SW305	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
SW305	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
SW306	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
SW306	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
SW307	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
SW307	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<100	<50	220	<100	220
SW308	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
SW308	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
Statistics													
Number of Results		**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**
Minimum Concentration		**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Maximum Concentration		**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<100**	**<50**	**220**	**<100**	**220**
Average Concentration *		**2**	**2**	**2**	**2**	**2**	**2**	**2**	**72**	**50**	**108**	**100**	**61**
Median Concentration *		**2**	**2**	**2**	**2**	**2**	**2**	**2**	**100**	**50**	**100**	**100**	**50**

* A Non Detect Multiplier of 1 has been applied.

Table 38: Estuary surface water - laboratory data event 6

		TRH					Biological			Halogenated Benzenes	Inorganics				Metals								
		C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)	Aluminium	Arsenic	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
		µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL		10	50	100	100	50	1	1	0.005	0.2	0.1	0.05	0.005	5	0.01	0.001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Date**																						
SW201	**01 May 2023**	<10	<50	<100	<100	<50	100 A	100 A	<0.005	<0.2	0.5	0.09	0.04	5	0.1	0.001	<0.001	<0.001	0.3	<0.001	<0.00005	<0.001	0.005
SW201	**01 May 2023**	<10	<50	<100	<100	<50	100/>10	100/>10	<0.005	<0.2	0.5	0.08	0.04	6	0.09	0.001	<0.001	<0.001	0.29	<0.001	<0.00005	<0.001	0.002
SW202	**01 May 2023**	<10	<50	<100	<100	<50	55 A	55 A	<0.005	<0.2	0.4	0.06	0.03	6	0.12	0.001	<0.001	<0.001	0.27	<0.001	<0.00005	<0.001	0.019
SW202	**01 May 2023**	<10	<50	<100	<100	<50	27 A	27 A	<0.005	<0.2	0.4	0.06	0.03	7	0.13	0.002	<0.001	<0.001	0.31	<0.001	<0.00005	<0.001	0.001
SW203	**01 May 2023**	<10	<50	<100	<100	<50	60 A	60 A	<0.005	<0.2	0.4	0.06	0.02	10	0.15	0.001	<0.001	<0.001	0.3	<0.001	<0.00005	<0.001	0.001
SW203	**01 May 2023**	<10	<50	<100	<100	<50	60 A	60 A	<0.005	<0.2	0.3	0.06	0.02	8	0.11	0.002	<0.001	<0.001	0.26	<0.001	<0.00005	<0.001	0.002
SW204	**01 May 2023**	<10	<50	<100	<100	<50	<1,000.0	<1,000.0	<0.005	<0.2	0.2	0.4	0.006	340	3.3	0.005	0.005	0.003	5.4	0.003	<0.00005	<0.001	0.014
SW204	**01 May 2023**	<10	<50	<100	<100	<50	1,000 A	1,000 A	<0.005	<0.2	0.3	0.09	0.007	30	0.6	0.002	<0.001	0.001	0.96	<0.001	<0.00005	<0.001	0.005
SW205	**01 May 2023**	<10	<50	<100	<100	<50	30 A	30 A	<0.005	<0.2	0.2	<0.05	0.008	14	0.2	0.001	<0.001	<0.001	0.34	<0.001	<0.00005	<0.001	0.001
SW205	**01 May 2023**	<10	<50	<100	<100	<50	200 A	200 A	<0.005	<0.2	0.2	<0.05	0.006	10	0.16	0.001	<0.001	<0.001	0.36	<0.001	<0.00005	<0.001	0.006
SW206	**01 May 2023**	<10	<50	<100	<100	<50	400 A	400 A	<0.005	<0.2	0.2	<0.05	0.008	18	0.25	0.001	<0.001	0.006	0.45	<0.001	<0.00005	<0.001	0.004
SW206	**01 May 2023**	<10	<50	<100	<100	<50	300 A NBO	300 A NBO	<0.005	<0.2	0.2	<0.05	0.008	8	0.27	0.002	<0.001	<0.001	0.57	<0.001	<0.00005	<0.001	0.004
SW207	**01 May 2023**	<10	<50	<100	<100	<50	400 A	400 A	<0.005	<0.2	0.3	<0.05	0.02	8	0.11	0.001	<0.001	<0.001	0.21	<0.001	<0.00005	<0.001	<0.001
SW207	**01 May 2023**	<10	<50	<100	<100	<50	190	190	<0.005	<0.2	0.3	<0.05	0.01	8	0.12	<0.001	<0.001	<0.001	0.23	<0.001	<0.00005	<0.001	0.002
SW208	**01 May 2023**	<10	<50	<100	<100	<50	600 A	600 A	<0.005	<0.2	0.3	<0.05	0.02	7	0.13	<0.001	<0.001	<0.001	0.21	<0.001	<0.00005	<0.001	0.001
SW208	**01 May 2023**	<10	<50	<100	<100	<50	600 A	600 A	<0.005	<0.2	0.3	<0.05	0.02	8	0.12	0.001	<0.001	<0.001	0.24	<0.001	<0.00005	<0.001	<0.001
SW209	**01 May 2023**	<10	<50	<100	<100	<50	100	100	<0.005	<0.2	0.2	<0.05	0.01	12	0.22	0.001	<0.001	<0.001	0.42	<0.001	<0.00005	<0.001	0.002
SW209	**01 May 2023**	<10	<50	<100	<100	<50	150	150	<0.005	<0.2	0.3	<0.05	0.009	16	0.24	0.002	<0.001	<0.001	0.5	<0.001	<0.00005	<0.001	0.004
SW210	**01 May 2023**	<10	<50	<100	<100	<50	190	190	<0.005	<0.2	0.3	<0.05	0.02	10	0.09	0.001	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	0.002
SW210	**01 May 2023**	<10	<50	<100	<100	<50	270	270	<0.005	<0.2	0.3	<0.05	0.01	<5	0.08	0.001	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	0.004
SW211	**01 May 2023**	<10	<50	<100	<100	<50	220	220	<0.005	<0.2	0.3	<0.05	0.01	7	0.15	0.001	0.004	<0.001	0.66	<0.001	<0.00005	<0.001	0.007
SW211	**01 May 2023**	<10	<50	<100	<100	<50	140	140	<0.005	<0.2	0.3	<0.05	0.01	6	0.1	0.001	<0.001	<0.001	0.22	<0.001	<0.00005	<0.001	0.003
SW212	**01 May 2023**	<10	<50	<100	<100	<50	400 A	400 A	<0.005	<0.2	0.2	<0.05	0.02	8	0.07	0.001	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	0.003
SW212	**01 May 2023**	<10	<50	<100	<100	<50	300 A	300 A	<0.005	<0.2	0.2	0.05	0.02	11	0.09	<0.001	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	0.003
SW213	**01 May 2023**	<10	<50	<100	<100	<50	300 A	300 A	<0.005	<0.2	0.3	<0.05	0.02	<5	0.09	0.001	<0.001	<0.001	0.17	<0.001	<0.00005	<0.001	0.002
SW213	**01 May 2023**	<10	<50	<100	<100	<50	300	300	<0.005	<0.2	0.3	<0.05	0.02	5	0.07	<0.001	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	0.005
SW214	**01 May 2023**	<10	<50	<100	<100	<50	800 A	800 A	<0.005	<0.2	0.3	<0.05	0.02	<5	0.09	0.001	<0.001	<0.001	0.15	<0.001	<0.00005	<0.001	0.001
SW214	**01 May 2023**	<10	<50	<100	<100	<50	200 A	200 A	<0.005	<0.2	0.3	<0.05	0.02	5	0.07	<0.001	<0.001	<0.001	0.15	<0.001	<0.00005	<0.001	0.002
SW215	**01 May 2023**	<10	<50	<100	<100	<50	400 A	400 A	<0.005	<0.2	0.3	<0.05	0.02	<5	0.12	0.001	<0.001	<0.001	0.22	<0.001	<0.00005	<0.001	0.004
SW215	**01 May 2023**	<10	<50	<100	<100	<50	600 A	600 A	<0.005	<0.2	0.3	<0.05	0.02	7	0.1	0.001	<0.001	<0.001	0.22	<0.001	<0.00005	<0.001	0.004
SW216	**01 May 2023**	<10	<50	<100	<100	<50	1,600.0	1,600.0	<0.005	<0.2	0.3	<0.05	0.02	6	0.13	<0.001	<0.001	<0.001	0.21	<0.001	<0.00005	<0.001	0.004
SW216	**01 May 2023**	<10	<50	<100	<100	<50	1,000 NBO	1,000 NBO	<0.005	<0.2	0.3	0.05	0.02	5	0.11	0.001	<0.001	<0.001	0.21	<0.001	<0.00005	<0.001	<0.001
SW217	**01 May 2023**	<10	<50	<100	<100	<50	900 A	900 A	<0.005	<0.2	0.3	<0.05	0.02	<5	0.1	<0.001	<0.001	<0.001	0.19	<0.001	<0.00005	<0.001	0.002
SW217	**01 May 2023**	<10	<50	<100	<100	<50	900 A	900 A	<0.005	<0.2	0.3	0.05	0.02	6	0.09	0.001	<0.001	<0.001	0.15	<0.001	<0.00005	<0.001	0.004

Statistics

Number of Results	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**9**	**9**	**0**	**0**	**34**	**11**	**34**	**29**	**34**	**27**	**2**	**3**	**34**	**1**	**0**	**0**	**0**	**31**
Minimum Concentration	**<10**	**<50**	**<100**	**<100**	**<50**	**100**	**100**	**<0.005**	**<0.2**	**0.2**	**0.05**	**0.006**	**5**	**0.07**	**0.001**	**<0.001**	**0.001**	**0.15**	**<0.001**	**<0.00005**	**<0.001**	**0.001**	
Maximum Concentration	**<10**	**<50**	**<100**	**<100**	**<50**	**1,600**	**1,600**	**<0.005**	**<0.2**	**0.5**	**0.4**	**0.04**	**340**	**3.3**	**0.005**	**0.005**	**0.006**	**5.4**	**0.003**	**<0.00005**	**<0.001**	**0.019**	
Average Concentration *	**10**	**50**	**100**	**100**	**50**	**416**	**416**	**0.005**	**0.2**	**0.3**	**0.065**	**0.018**	**18**	**0.23**	**0.0013**	**0.0012**	**0.0012**	**0.44**	**0.0011**	**0.00005**	**0.001**	**0.0037**	
Median Concentration *	**10**	**50**	**100**	**100**	**50**	**205**	**205**	**0.005**	**0.2**	**0.3**	**0.05**	**0.02**	**7**	**0.115**	**0.001**	**0.001**	**0.001**	**0.225**	**0.001**	**0.00005**	**0.001**	**0.003**	

* A Non Detect Multiplier of 1 has been applied.

		Organochlorine Pesticides																	
		4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Date**																			
SW201	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW201	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW204	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW204	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW212	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW212	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW215	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW215	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Statistics

Number of Results	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Maximum Concentration	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Average Concentration *	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**
Median Concentration *	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

* A Non Detect Multiplier of 1 has been applied.

		PAH																
		Benzo(b+j+k)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
		mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL		0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0005	0.0001
Location Code	**Date**																	
SW201	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW201	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW202	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW202	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW203	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW203	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW204	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW204	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW205	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW205	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW206	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW206	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW207	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW207	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW208	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW208	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW209	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW209	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW210	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW210	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW211	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW211	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW212	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW212	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW213	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW213	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW214	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW214	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW215	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW215	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW216	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW216	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW217	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW217	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001

Statistics

Number of Results		**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Maximum Concentration		**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Average Concentration *		**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.0005**	**0.0001**
Median Concentration *		**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.0005**	**0.0001**

* A Non Detect Multiplier of 1 has been applied.

		PCBs							TPH					
		Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Date**												
SW201	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW201	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW203	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW203	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW204	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW204	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW212	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW212	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW215	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW215	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	**01 May 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50

Statistics

Number of Results	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Maximum Concentration	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Average Concentration *	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**100**	**100**	**50**
Median Concentration *	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**100**	**100**	**50**

* A Non Detect Multiplier of 1 has been applied.

Table 39: Surface water - water quality data event 6

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	Salinity (ppt)	EC (uS/cm)
301	16.7	4.81	212.6	6.49	0.06	122.9
302	15.5	4.96	165.0	5.40		177.8
303	18.1	8.18	197.8	7.98	24.13	37927.0
304	14.7	4.45	230.3	0.55	0.03	75.3
305	17.4	8.72	179.7	3.41	23.43	36948.0
306	18.7	8.67	174.2	8.25	23.46	36957.0
307	16.1	4.32	241.5	3.02	0.06	131.6
308	15.2	4.52	236.9	5.44	0.07	151.5

Table 40: Surface water – water quality data event 6 statistical summary

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	Salinity (ppt)	EC (uS/cm)
min	14.7	4.32	165.0	0.55	0.03	75.3
max	18.7	8.72	241.5	8.25	24.13	37927.0
mean	16.6	6.08	204.8	5.07	10.18	14061.4
median	16.4	4.89	205.2	5.42	0.07	164.7
range	4.0	4.40	76.5	7.70	24.10	37851.7

Table 41: Estuary surface water – water quality data event 6

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	Salinity (ppt)	EC (uS/cm)
201	18.7	-1.34	1977.6	9.43	18.85	30310
202	18.4	-2.34		8.43	20.03	32037
203	18.3	-2.35	1966.5	8.90	20.35	32499
204	13.1	7.19	214.6	4.14	20.40	32622
205	18.1	7.49	131.8	6.06	20.55	32781
206	17.7	7.54	163.0	7.62	19.81	31709
207	18.0	3.32	711.1	9.17	19.89	31797
208	18.2	7.82	177.0	9.30	20.18	32252
209	19.6	-2.33	1586.9	8.22	20.21	32294
210	16.8	5.81	1632.9	7.45	19.18	30790
211	15.6	5.11	1604.2	7.89	18.96	30480
212	17.3	3.41	1715.3	7.63	18.89	30368
213	17.4	4.94	1659.2	7.11	18.30	29496
214	16.3	5.84	1634.5	6.91	18.76	30095
215	18.3	4.71	340.3	8.25	16.60	26983
216	18.4	-2.35		7.88	15.32	25078
217	19.1	-2.33		7.90	20.00	31998

Table 42: Estuary surface water – water quality data event 6 statistical summary

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	Salinity (ppt)	EC (uS/cm)
min	13.1	-2.35	131.8	4.14	15.32	25078
max	19.6	7.82	1977.6	9.43	20.55	32781
mean	17.6	2.95	1108.2	7.78	19.19	30799
median	18.1	4.71	1595.6	7.89	19.81	31709
range	6.5	10.17	1845.8	5.29	5.23	7703

Table 43: Rainfall data event 6*

Year	Month	Day	Rainfall amount (millimetres)
2023	4	29	1.4
2023	4	30	61.4
2023	5	1	0
2023	5	2	0
2023	5	3	0
2023	5	4	0

* Bureau of Meteorology station number: 68083, Product code: IDCJAC0009

Appendix N – Event 6 Documents

Lab Report Event 6

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

CERTIFICATE OF ANALYSIS 322245

Client Details

Client	Martens & Associates Pty Ltd
Attention	Trystan Richards
Address	Suite 201, 20 George St, Hornsby, NSW, 2077

Sample Details

Your Reference	**P1203365 – Water Sampling, West Culburra, NSW**
Number of Samples	65 Water
Date samples received	03/05/2023
Date completed instructions received	03/05/2023

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	12/05/2023
Date of Issue	12/05/2023

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Accredited for compliance with ISO/IEC 17025 - Testing. **Tests not covered by NATA are denoted with ***

Results Approved By
Greta Petzold, Operation Manager
Hannah Nguyen, Metals Supervisor
Kyle Gavrily, Senior Chemist
Liam Timmins, Organics Supervisor
Loren Bardwell, Development Chemist
Priya Samarawickrama, Senior Chemist

Authorised By

Nancy Zhang, Laboratory Manager

vTRH in Water (C6-C9) NEPM						
Our Reference		322245-8	322245-9	322245-10	322245-11	322245-12
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	10/05/2023	10/05/2023	10/05/2023	10/05/2023	10/05/2023
Date analysed	-	11/05/2023	11/05/2023	11/05/2023	11/05/2023	11/05/2023
TRH C_6 - C_9	µg/L	<100	<10	<100	<10	<10
TRH C_6 - C_{10}	µg/L	<100	<10	<100	<10	<10
Surrogate Dibromofluoromethane	%	119	99	113	99	99
Surrogate toluene-d8	%	111	99	107	99	99
Surrogate 4-BFB	%	100	111	98	111	112

vTRH in Water (C6-C9) NEPM						
Our Reference		322245-13	322245-14	322245-15	322245-16	322245-17
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW204 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	10/05/2023	10/05/2023	10/05/2023	10/05/2023	10/05/2023
Date analysed	-	11/05/2023	11/05/2023	11/05/2023	11/05/2023	11/05/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	100	99	99	99	99
Surrogate toluene-d8	%	100	99	99	99	100
Surrogate 4-BFB	%	112	112	112	113	113

vTRH in Water (C6-C9) NEPM						
Our Reference		322245-18	322245-19	322245-20	322245-21	322245-22
Your Reference	UNITS	3365/SW204 W/2	3365/SW205 W/1	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	10/05/2023	10/05/2023	10/05/2023	10/05/2023	10/05/2023
Date analysed	-	11/05/2023	11/05/2023	11/05/2023	11/05/2023	11/05/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	97	99	98	98	98
Surrogate toluene-d8	%	99	99	99	99	99
Surrogate 4-BFB	%	113	114	115	113	114

vTRH in Water (C6-C9) NEPM						
Our Reference		322245-23	322245-24	322245-25	322245-26	322245-27
Your Reference	UNITS	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	10/05/2023	10/05/2023	10/05/2023	10/05/2023	10/05/2023
Date analysed	-	11/05/2023	11/05/2023	11/05/2023	11/05/2023	11/05/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	97	98	98	99	98
Surrogate toluene-d8	%	99	99	99	99	99
Surrogate 4-BFB	%	114	114	113	115	114

vTRH in Water (C6-C9) NEPM						
Our Reference		322245-28	322245-29	322245-30	322245-31	322245-32
Your Reference	UNITS	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	10/05/2023	10/05/2023	10/05/2023	10/05/2023	10/05/2023
Date analysed	-	11/05/2023	11/05/2023	11/05/2023	11/05/2023	11/05/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	97	98	97	98	98
Surrogate toluene-d8	%	98	99	99	99	99
Surrogate 4-BFB	%	114	112	114	114	115

vTRH in Water (C6-C9) NEPM						
Our Reference		322245-33	322245-34	322245-35	322245-36	322245-37
Your Reference	UNITS	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	10/05/2023	10/05/2023	10/05/2023	10/05/2023	10/05/2023
Date analysed	-	11/05/2023	11/05/2023	11/05/2023	11/05/2023	11/05/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	99	97	98	98	98
Surrogate toluene-d8	%	99	99	98	99	99
Surrogate 4-BFB	%	116	114	114	114	115

vTRH in Water (C6-C9) NEPM						
Our Reference		322245-38	322245-39	322245-40	322245-41	322245-42
Your Reference	UNITS	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	10/05/2023	10/05/2023	10/05/2023	10/05/2023	10/05/2023
Date analysed	-	11/05/2023	11/05/2023	11/05/2023	11/05/2023	11/05/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	97	98	98	97	97
Surrogate toluene-d8	%	98	99	99	99	100
Surrogate 4-BFB	%	115	115	115	116	116

vTRH in Water (C6-C9) NEPM						
Our Reference		322245-43	322245-44	322245-45	322245-46	322245-47
Your Reference	UNITS	3365/SW217 W/1	3365/SW217 W/2	3365/SW301 W/1	3365/SW301 W/2	3365/SW302 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	10/05/2023	10/05/2023	10/05/2023	10/05/2023	10/05/2023
Date analysed	-	11/05/2023	11/05/2023	11/05/2023	11/05/2023	11/05/2023
TRH C_6 - C_9	µg/L	<10	<10	<100	<100	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<100	<100	<10
Surrogate Dibromofluoromethane	%	112	112	83	113	111
Surrogate toluene-d8	%	103	103	112	108	103
Surrogate 4-BFB	%	101	101	90	99	101

vTRH in Water (C6-C9) NEPM						
Our Reference		322245-48	322245-49	322245-50	322245-51	322245-52
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	10/05/2023	10/05/2023	10/05/2023	10/05/2023	10/05/2023
Date analysed	-	11/05/2023	11/05/2023	11/05/2023	11/05/2023	11/05/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<100
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<100
Surrogate Dibromofluoromethane	%	109	115	112	96	111
Surrogate toluene-d8	%	105	106	106	93	106
Surrogate 4-BFB	%	101	103	104	95	99

vTRH in Water (C6-C9) NEPM						
Our Reference		322245-53	322245-54	322245-55	322245-56	322245-57
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	10/05/2023	10/05/2023	10/05/2023	10/05/2023	10/05/2023
Date analysed	-	11/05/2023	11/05/2023	11/05/2023	11/05/2023	11/05/2023
TRH C_6 - C_9	µg/L	<100	<100	<100	<100	<100
TRH C_6 - C_{10}	µg/L	<100	<100	<100	<100	<100
Surrogate Dibromofluoromethane	%	108	110	110	112	117
Surrogate toluene-d8	%	105	105	106	105	110
Surrogate 4-BFB	%	103	102	103	102	99

vTRH in Water (C6-C9) NEPM				
Our Reference		322245-58	322245-59	322245-60
Your Reference	UNITS	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water
Date extracted	-	10/05/2023	10/05/2023	10/05/2023
Date analysed	-	11/05/2023	11/05/2023	11/05/2023
TRH C_6 - C_9	µg/L	<100	<100	<100
TRH C_6 - C_{10}	µg/L	<100	<100	<100
Surrogate Dibromofluoromethane	%	119	114	120
Surrogate toluene-d8	%	110	109	113
Surrogate 4-BFB	%	99	99	99

svTRH (C10-C40) in Water						
Our Reference		322245-8	322245-9	322245-10	322245-11	322245-12
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Date analysed	-	10/05/2023	10/05/2023	11/05/2023	11/05/2023	11/05/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	81	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	80	<50	<50	<50	<50
Surrogate o-Terphenyl	%	83	85	81	78	80

svTRH (C10-C40) in Water						
Our Reference		322245-13	322245-14	322245-15	322245-16	322245-17
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW204 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Date analysed	-	11/05/2023	11/05/2023	11/05/2023	11/05/2023	11/05/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	88	82	80	85	95

svTRH (C10-C40) in Water						
Our Reference		322245-18	322245-19	322245-20	322245-21	322245-22
Your Reference	UNITS	3365/SW204 W/2	3365/SW205 W/1	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Date analysed	-	11/05/2023	11/05/2023	11/05/2023	11/05/2023	11/05/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	91	95	79	100	97

svTRH (C10-C40) in Water						
Our Reference		322245-23	322245-24	322245-25	322245-26	322245-27
Your Reference	UNITS	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Date analysed	-	11/05/2023	11/05/2023	11/05/2023	11/05/2023	11/05/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	84	89	87	95	104

svTRH (C10-C40) in Water						
Our Reference		322245-28	322245-29	322245-30	322245-31	322245-32
Your Reference	UNITS	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Date analysed	-	10/05/2023	10/05/2023	10/05/2023	10/05/2023	10/05/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	93	87	100	87	72

svTRH (C10-C40) in Water						
Our Reference		322245-33	322245-34	322245-35	322245-36	322245-37
Your Reference	UNITS	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Date analysed	-	11/05/2023	11/05/2023	11/05/2023	11/05/2023	11/05/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	88	82	85	87	83

svTRH (C10-C40) in Water						
Our Reference		322245-38	322245-39	322245-40	322245-41	322245-42
Your Reference	UNITS	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Date analysed	-	11/05/2023	11/05/2023	11/05/2023	11/05/2023	11/05/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	75	74	81	108	76

svTRH (C10-C40) in Water						
Our Reference		322245-43	322245-44	322245-45	322245-46	322245-47
Your Reference	UNITS	3365/SW217 W/1	3365/SW217 W/2	3365/SW301 W/1	3365/SW301 W/2	3365/SW302 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Date analysed	-	11/05/2023	11/05/2023	11/05/2023	11/05/2023	11/05/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	94	74	69	89	77

svTRH (C10-C40) in Water						
Our Reference		322245-48	322245-49	322245-50	322245-51	322245-52
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Date analysed	-	11/05/2023	11/05/2023	11/05/2023	11/05/2023	11/05/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	87	65	83	87	80

svTRH (C10-C40) in Water						
Our Reference		322245-53	322245-54	322245-55	322245-56	322245-57
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Date analysed	-	11/05/2023	11/05/2023	11/05/2023	11/05/2023	11/05/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	64	60	96	83	84

svTRH (C10-C40) in Water				
Our Reference		322245-58	322245-59	322245-60
Your Reference	UNITS	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water
Date extracted	-	08/05/2023	08/05/2023	08/05/2023
Date analysed	-	11/05/2023	11/05/2023	11/05/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	220	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	220	<50	<50
TRH >C_{10} - C_{16}	µg/L	140	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	140	<50	<50
Surrogate o-Terphenyl	%	79	78	75

PAHs in Water						
Our Reference		322245-8	322245-9	322245-10	322245-11	322245-12
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Date analysed	-	08/05/2023	08/05/2023	09/05/2023	09/05/2023	09/05/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	69	88	68	76	76

PAHs in Water						
Our Reference		322245-13	322245-14	322245-15	322245-16	322245-17
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW204 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	89	82	97	107	116

PAHs in Water						
Our Reference		322245-18	322245-19	322245-20	322245-21	322245-22
Your Reference	UNITS	3365/SW204 W/2	3365/SW205 W/1	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	114	121	100	108	105

PAHs in Water						
Our Reference		322245-23	322245-24	322245-25	322245-26	322245-27
Your Reference	UNITS	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	96	101	107	104	107

PAHs in Water						
Our Reference		322245-28	322245-29	322245-30	322245-31	322245-32
Your Reference	UNITS	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	110	115	108	101	86

PAHs in Water						
Our Reference		322245-33	322245-34	322245-35	322245-36	322245-37
Your Reference	UNITS	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	107	101	97	100	91

PAHs in Water						
Our Reference		322245-38	322245-39	322245-40	322245-41	322245-42
Your Reference	UNITS	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	87	92	93	113	93

PAHs in Water						
Our Reference		322245-43	322245-44	322245-45	322245-46	322245-47
Your Reference	UNITS	3365/SW217 W/1	3365/SW217 W/2	3365/SW301 W/1	3365/SW301 W/2	3365/SW302 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	101	89	84	103	90

PAHs in Water						
Our Reference		322245-48	322245-49	322245-50	322245-51	322245-52
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	09/05/2023	09/05/2023	10/05/2023	10/05/2023	10/05/2023
Date analysed	-	09/05/2023	09/05/2023	10/05/2023	10/05/2023	10/05/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	99	74	94	92	85

PAHs in Water						
Our Reference		322245-53	322245-54	322245-55	322245-56	322245-57
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	10/05/2023	10/05/2023	10/05/2023	10/05/2023	10/05/2023
Date analysed	-	10/05/2023	10/05/2023	10/05/2023	10/05/2023	10/05/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	73	62	91	92	91

PAHs in Water				
Our Reference		322245-58	322245-59	322245-60
Your Reference	UNITS	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water
Date extracted	-	10/05/2023	10/05/2023	10/05/2023
Date analysed	-	10/05/2023	10/05/2023	10/05/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	84	84	81

Organochlorine Pesticides in Water						
Our Reference		322245-8	322245-9	322245-10	322245-11	322245-12
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Date analysed	-	08/05/2023	08/05/2023	09/05/2023	09/05/2023	09/05/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	70	85	61	77	77

Organochlorine Pesticides in Water						
Our Reference		322245-13	322245-14	322245-15	322245-16	322245-17
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW204 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	83	82	95	101	100

Organochlorine Pesticides in Water						
Our Reference		322245-18	322245-19	322245-20	322245-21	322245-22
Your Reference	UNITS	3365/SW204 W/2	3365/SW205 W/1	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	103	109	90	104	105

Organochlorine Pesticides in Water						
Our Reference		322245-23	322245-24	322245-25	322245-26	322245-27
Your Reference	UNITS	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	93	103	101	101	106

Organochlorine Pesticides in Water						
Our Reference		322245-28	322245-29	322245-30	322245-31	322245-32
Your Reference	UNITS	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	101	103	101	99	82

Organochlorine Pesticides in Water						
Our Reference		322245-33	322245-34	322245-35	322245-36	322245-37
Your Reference	UNITS	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	99	97	96	95	91

Organochlorine Pesticides in Water						
Our Reference		322245-38	322245-39	322245-40	322245-41	322245-42
Your Reference	UNITS	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	86	86	91	108	82

Organochlorine Pesticides in Water						
Our Reference		322245-43	322245-44	322245-45	322245-46	322245-47
Your Reference	UNITS	3365/SW217 W/1	3365/SW217 W/2	3365/SW301 W/1	3365/SW301 W/2	3365/SW302 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	100	87	81	100	87

Organochlorine Pesticides in Water						
Our Reference		322245-48	322245-49	322245-50	322245-51	322245-52
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	09/05/2023	09/05/2023	09/05/2023	10/05/2023	10/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	10/05/2023	10/05/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	95	72	90	89	85

Organochlorine Pesticides in Water						
Our Reference		322245-53	322245-54	322245-55	322245-56	322245-57
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	10/05/2023	10/05/2023	10/05/2023	10/05/2023	10/05/2023
Date analysed	-	10/05/2023	10/05/2023	10/05/2023	10/05/2023	10/05/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	69	63	90	90	89

Organochlorine Pesticides in Water				
Our Reference		322245-58	322245-59	322245-60
Your Reference	UNITS	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water
Date extracted	-	10/05/2023	10/05/2023	10/05/2023
Date analysed	-	10/05/2023	10/05/2023	10/05/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2
Surrogate TCMX	%	85	82	80

PCBs in Water						
Our Reference		322245-8	322245-9	322245-10	322245-11	322245-12
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Date analysed	-	08/05/2023	08/05/2023	09/05/2023	09/05/2023	09/05/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	70	85	61	77	77

PCBs in Water						
Our Reference		322245-13	322245-14	322245-15	322245-16	322245-17
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW204 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	83	82	95	101	100

PCBs in Water						
Our Reference		322245-18	322245-19	322245-20	322245-21	322245-22
Your Reference	UNITS	3365/SW204 W/2	3365/SW205 W/1	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	103	109	90	104	105

PCBs in Water						
Our Reference		322245-23	322245-24	322245-25	322245-26	322245-27
Your Reference	UNITS	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	93	103	101	101	106

PCBs in Water						
Our Reference		322245-28	322245-29	322245-30	322245-31	322245-32
Your Reference	UNITS	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	101	103	101	99	82

PCBs in Water						
Our Reference		322245-33	322245-34	322245-35	322245-36	322245-37
Your Reference	UNITS	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	99	97	96	95	91

PCBs in Water						
Our Reference		322245-38	322245-39	322245-40	322245-41	322245-42
Your Reference	UNITS	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	86	86	91	108	82

PCBs in Water						
Our Reference		322245-43	322245-44	322245-45	322245-46	322245-47
Your Reference	UNITS	3365/SW217 W/1	3365/SW217 W/2	3365/SW301 W/1	3365/SW301 W/2	3365/SW302 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	100	87	81	100	87

PCBs in Water						
Our Reference		322245-48	322245-49	322245-50	322245-51	322245-52
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	09/05/2023	09/05/2023	09/05/2023	10/05/2023	10/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	10/05/2023	10/05/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	95	72	90	89	85

PCBs in Water						
Our Reference		322245-53	322245-54	322245-55	322245-56	322245-57
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	10/05/2023	10/05/2023	10/05/2023	10/05/2023	10/05/2023
Date analysed	-	10/05/2023	10/05/2023	10/05/2023	10/05/2023	10/05/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	69	63	90	90	89

PCBs in Water				
Our Reference		322245-58	322245-59	322245-60
Your Reference	UNITS	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water
Date extracted	-	10/05/2023	10/05/2023	10/05/2023
Date analysed	-	10/05/2023	10/05/2023	10/05/2023
Aroclor 1016	µg/L	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2
Surrogate TCMX	%	85	82	80

All metals in water - total						
Our Reference		322245-8	322245-9	322245-10	322245-11	322245-12
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	07/05/2023	07/05/2023	07/05/2023	07/05/2023	07/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Aluminium-Total	µg/L	1,000	370	660	100	90
Arsenic-Total	µg/L	<1	<1	<1	1	1
Chromium-Total	µg/L	2	<1	1	<1	<1
Copper-Total	µg/L	3	2	2	<1	<1
Iron-Total	µg/L	1,600	270	1,300	300	290
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	12	11	10	5	2

All metals in water - total						
Our Reference		322245-13	322245-14	322245-15	322245-16	322245-17
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW204 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	07/05/2023	07/05/2023	07/05/2023	07/05/2023	07/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Aluminium-Total	µg/L	120	130	150	110	3,300
Arsenic-Total	µg/L	1	2	1	2	5
Chromium-Total	µg/L	<1	<1	<1	<1	5
Copper-Total	µg/L	<1	<1	<1	<1	3
Iron-Total	µg/L	270	310	300	260	5,400
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	3
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	19	1	1	2	14

All metals in water - total						
Our Reference		322245-18	322245-19	322245-20	322245-21	322245-22
Your Reference	UNITS	3365/SW204 W/2	3365/SW205 W/1	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	07/05/2023	07/05/2023	07/05/2023	07/05/2023	07/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Aluminium-Total	µg/L	600	200	160	250	270
Arsenic-Total	µg/L	2	1	1	1	2
Chromium-Total	µg/L	<1	<1	<1	<1	<1
Copper-Total	µg/L	1	<1	<1	6	<1
Iron-Total	µg/L	960	340	360	450	570
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	5	1	6	4	4

All metals in water - total						
Our Reference		322245-23	322245-24	322245-25	322245-26	322245-27
Your Reference	UNITS	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	07/05/2023	07/05/2023	07/05/2023	07/05/2023	07/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Aluminium-Total	µg/L	110	120	130	120	220
Arsenic-Total	µg/L	1	<1	<1	1	1
Chromium-Total	µg/L	<1	<1	<1	<1	<1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	210	230	210	240	420
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	<1	2	1	<1	2

All metals in water - total						
Our Reference		322245-28	322245-29	322245-30	322245-31	322245-32
Your Reference	UNITS	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	07/05/2023	07/05/2023	07/05/2023	07/05/2023	07/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Aluminium-Total	µg/L	240	90	80	150	100
Arsenic-Total	µg/L	2	1	1	1	1
Chromium-Total	µg/L	<1	<1	<1	4	<1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	500	160	160	660	220
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	4	2	4	7	3

All metals in water - total						
Our Reference		322245-33	322245-34	322245-35	322245-36	322245-37
Your Reference	UNITS	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	07/05/2023	07/05/2023	07/05/2023	07/05/2023	07/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Aluminium-Total	µg/L	70	90	90	70	90
Arsenic-Total	µg/L	1	<1	1	<1	1
Chromium-Total	µg/L	<1	<1	<1	<1	<1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	160	160	170	160	150
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	3	3	2	5	1

All metals in water - total						
Our Reference		322245-38	322245-39	322245-40	322245-41	322245-42
Your Reference	UNITS	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	07/05/2023	07/05/2023	07/05/2023	07/05/2023	07/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Aluminium-Total	µg/L	70	120	100	130	110
Arsenic-Total	µg/L	<1	1	1	<1	1
Chromium-Total	µg/L	<1	<1	<1	<1	<1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	150	220	220	210	210
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	2	4	4	4	<1

All metals in water - total						
Our Reference		322245-43	322245-44	322245-45	322245-46	322245-47
Your Reference	UNITS	3365/SW217 W/1	3365/SW217 W/2	3365/SW301 W/1	3365/SW301 W/2	3365/SW302 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	07/05/2023	07/05/2023	07/05/2023	07/05/2023	07/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Aluminium-Total	µg/L	100	90	1,500	1,600	1,200
Arsenic-Total	µg/L	<1	1	<1	<1	<1
Chromium-Total	µg/L	<1	<1	2	2	2
Copper-Total	µg/L	<1	<1	2	2	1
Iron-Total	µg/L	190	150	1,400	1,300	1,300
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	2	2	1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	2	4	35	8	4

All metals in water - total						
Our Reference		322245-48	322245-49	322245-50	322245-51	322245-52
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	07/05/2023	07/05/2023	07/05/2023	07/05/2023	07/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Aluminium-Total	µg/L	1,500	240	260	3,600	4,000
Arsenic-Total	µg/L	<1	2	1	1	1
Chromium-Total	µg/L	3	<1	<1	4	4
Copper-Total	µg/L	2	<1	<1	2	2
Iron-Total	µg/L	2,000	420	420	4,300	4,500
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	2	<1	<1	3	4
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	7	1	2	6	6

All metals in water - total						
Our Reference		322245-53	322245-54	322245-55	322245-56	322245-57
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	07/05/2023	07/05/2023	07/05/2023	07/05/2023	07/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Aluminium-Total	µg/L	1,500	1,700	760	720	1,800
Arsenic-Total	µg/L	<1	<1	2	1	<1
Chromium-Total	µg/L	2	2	2	1	2
Copper-Total	µg/L	2	2	1	1	2
Iron-Total	µg/L	2,100	2,000	1,200	840	1,900
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	1	2	1	<1	2
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	3	5	3	<1	10

All metals in water - total						
Our Reference		322245-58	322245-59	322245-60	322245-61	322245-62
Your Reference	UNITS	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2	3365/DUP01	3365/DUP02
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	07/05/2023	07/05/2023	07/05/2023	07/05/2023	07/05/2023
Date analysed	-	09/05/2023	09/05/2023	09/05/2023	09/05/2023	09/05/2023
Aluminium-Total	µg/L	1,600	3,000	1,900	1,400	770
Arsenic-Total	µg/L	<1	1	<1	<1	<1
Chromium-Total	µg/L	2	4	3	2	1
Copper-Total	µg/L	2	3	3	2	2
Iron-Total	µg/L	2,400	4,700	2,900	1,200	1,300
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	2	4	2	1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	4	5	9	6	10

All metals in water - total			
Our Reference		322245-63	322245-64
Your Reference	UNITS	3365/DUP03	3365/DUP04
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water
Date prepared	-	07/05/2023	07/05/2023
Date analysed	-	09/05/2023	09/05/2023
Aluminium-Total	µg/L	130	120
Arsenic-Total	µg/L	<1	1
Chromium-Total	µg/L	<1	<1
Copper-Total	µg/L	<1	<1
Iron-Total	µg/L	230	210
Mercury-Total	µg/L	<0.05	<0.05
Lead-Total	µg/L	<1	<1
Selenium-Total	µg/L	<1	<1
Zinc-Total	µg/L	<1	2

Metals in Waters - Acid extractable						
Our Reference		322245-1	322245-2	322245-3	322245-4	322245-5
Your Reference	UNITS	3365/GW01	3365/GW02	3365/GW03	3365/GW04	3365/GW05
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	07/05/2023	07/05/2023	07/05/2023	07/05/2023	07/05/2023
Date analysed	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Phosphorus - Total	mg/L	<0.05	0.2	0.06	1.3	0.06

Metals in Waters - Acid extractable						
Our Reference		322245-6	322245-7	322245-8	322245-9	322245-10
Your Reference	UNITS	3365/GW06	3365/GW07	3365/SW101	3365/SW102	3365/SW103
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	07/05/2023	07/05/2023	07/05/2023	07/05/2023	07/05/2023
Date analysed	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Phosphorus - Total	mg/L	0.09	<0.05	0.05	0.2	<0.05

Metals in Waters - Acid extractable						
Our Reference		322245-11	322245-12	322245-13	322245-14	322245-15
Your Reference	UNITS	3365/SW201 W/1	3365/SW201 W/2	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	07/05/2023	07/05/2023	07/05/2023	07/05/2023	07/05/2023
Date analysed	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Phosphorus - Total	mg/L	0.09	0.08	0.06	0.06	0.06

Metals in Waters - Acid extractable						
Our Reference		322245-16	322245-17	322245-18	322245-19	322245-20
Your Reference	UNITS	3365/SW203 W/2	3365/SW204 W/1	3365/SW204 W/2	3365/SW205 W/1	3365/SW205 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	07/05/2023	07/05/2023	07/05/2023	07/05/2023	07/05/2023
Date analysed	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Phosphorus - Total	mg/L	0.06	0.4	0.09	<0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		322245-21	322245-22	322245-23	322245-24	322245-25
Your Reference	UNITS	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	07/05/2023	07/05/2023	07/05/2023	07/05/2023	07/05/2023
Date analysed	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		322245-26	322245-27	322245-28	322245-29	322245-30
Your Reference	UNITS	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	07/05/2023	07/05/2023	07/05/2023	07/05/2023	07/05/2023
Date analysed	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		322245-31	322245-32	322245-33	322245-34	322245-35
Your Reference	UNITS	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	07/05/2023	07/05/2023	07/05/2023	07/05/2023	07/05/2023
Date analysed	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		322245-36	322245-37	322245-38	322245-39	322245-40
Your Reference	UNITS	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	07/05/2023	07/05/2023	07/05/2023	07/05/2023	07/05/2023
Date analysed	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		322245-41	322245-42	322245-43	322245-44	322245-45
Your Reference	UNITS	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2	3365/SW301 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	07/05/2023	07/05/2023	07/05/2023	07/05/2023	07/05/2023
Date analysed	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Phosphorus - Total	mg/L	<0.05	0.05	<0.05	0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		322245-46	322245-47	322245-48	322245-49	322245-50
Your Reference	UNITS	3365/SW301 W/2	3365/SW302 W/1	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	07/05/2023	07/05/2023	07/05/2023	07/05/2023	07/05/2023
Date analysed	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		322245-51	322245-52	322245-53	322245-54	322245-55
Your Reference	UNITS	3365/SW304 W/1	3365/SW304 W/2	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	07/05/2023	07/05/2023	07/05/2023	07/05/2023	07/05/2023
Date analysed	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	<0.05	0.07

Metals in Waters - Acid extractable						
Our Reference		322245-56	322245-57	322245-58	322245-59	322245-60
Your Reference	UNITS	3365/SW306 W/2	3365/SW307 W/1	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	07/05/2023	07/05/2023	07/05/2023	07/05/2023	07/05/2023
Date analysed	-	08/05/2023	08/05/2023	08/05/2023	08/05/2023	08/05/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	0.06	<0.05

Miscellaneous Inorganics						
Our Reference		322245-1	322245-2	322245-3	322245-4	322245-5
Your Reference	UNITS	3365/GW01	3365/GW02	3365/GW03	3365/GW04	3365/GW05
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
Date analysed	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
Total Nitrogen in water	mg/L	0.2	<0.1	0.3	0.2	0.8
Phosphate as P in water	mg/L	<0.005	0.18	0.02	<0.005	<0.005

Miscellaneous Inorganics						
Our Reference		322245-6	322245-7	322245-8	322245-9	322245-10
Your Reference	UNITS	3365/GW06	3365/GW07	3365/SW101	3365/SW102	3365/SW103
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
Date analysed	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
Total Suspended Solids	mg/L	[NA]	[NA]	13	<5	<5
Total Nitrogen in water	mg/L	0.1	0.3	1.7	0.9	1.1
Phosphate as P in water	mg/L	0.073	<0.005	<0.005	0.14	<0.005
Chlorophyll a	mg/m^3	[NA]	[NA]	<5	<5	<5

Miscellaneous Inorganics						
Our Reference		322245-11	322245-12	322245-13	322245-14	322245-15
Your Reference	UNITS	3365/SW201 W/1	3365/SW201 W/2	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
Date analysed	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
Total Suspended Solids	mg/L	5	6	6	7	10
Total Nitrogen in water	mg/L	0.5	0.5	0.4	0.4	0.4
Phosphate as P in water	mg/L	0.04	0.04	0.03	0.03	0.02
Chlorophyll a	mg/m^3	<5	<5	<5	<5	<5

Miscellaneous Inorganics						
Our Reference		322245-16	322245-17	322245-18	322245-19	322245-20
Your Reference	UNITS	3365/SW203 W/2	3365/SW204 W/1	3365/SW204 W/2	3365/SW205 W/1	3365/SW205 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
Date analysed	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
Total Suspended Solids	mg/L	8	340	30	14	10
Total Nitrogen in water	mg/L	0.3	0.2	0.3	0.2	0.2
Phosphate as P in water	mg/L	0.02	0.006	0.007	0.008	0.006
Chlorophyll a	mg/m^3	<5	<5	<5	<5	<5

Miscellaneous Inorganics						
Our Reference		322245-21	322245-22	322245-23	322245-24	322245-25
Your Reference	UNITS	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
Date analysed	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
Total Suspended Solids	mg/L	18	8	8	8	7
Total Nitrogen in water	mg/L	0.2	0.2	0.3	0.3	0.3
Phosphate as P in water	mg/L	0.008	0.008	0.02	0.01	0.02
Chlorophyll a	mg/m^3	<5	<5	<5	<5	<5

Miscellaneous Inorganics						
Our Reference		322245-26	322245-27	322245-28	322245-29	322245-30
Your Reference	UNITS	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
Date analysed	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
Total Suspended Solids	mg/L	8	12	16	10	<5
Total Nitrogen in water	mg/L	0.3	0.2	0.3	0.3	0.3
Phosphate as P in water	mg/L	0.02	0.01	0.009	0.02	0.01
Chlorophyll a	mg/m^3	<5	<5	<5	<5	<5

Miscellaneous Inorganics						
Our Reference		322245-31	322245-32	322245-33	322245-34	322245-35
Your Reference	UNITS	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
Date analysed	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
Total Suspended Solids	mg/L	7	6	8	11	<5
Total Nitrogen in water	mg/L	0.3	0.3	0.2	0.2	0.3
Phosphate as P in water	mg/L	0.01	0.01	0.02	0.02	0.02
Chlorophyll a	mg/m^3	<5	<5	<5	<5	<5

Miscellaneous Inorganics						
Our Reference		322245-36	322245-37	322245-38	322245-39	322245-40
Your Reference	UNITS	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
Date analysed	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
Total Suspended Solids	mg/L	5	<5	5	<5	7
Total Nitrogen in water	mg/L	0.3	0.3	0.3	0.3	0.3
Phosphate as P in water	mg/L	0.02	0.02	0.02	0.02	0.02
Chlorophyll a	mg/m^3	<5	<5	<5	<5	<5

Miscellaneous Inorganics						
Our Reference		322245-41	322245-42	322245-43	322245-44	322245-45
Your Reference	UNITS	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2	3365/SW301 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
Date analysed	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
Total Suspended Solids	mg/L	6	5	<5	6	10
Total Nitrogen in water	mg/L	0.3	0.3	0.3	0.3	1.2
Phosphate as P in water	mg/L	0.02	0.02	0.02	0.02	<0.005
Chlorophyll a	mg/m^3	<5	<5	<5	<5	<5

Miscellaneous Inorganics						
Our Reference		322245-46	322245-47	322245-48	322245-49	322245-50
Your Reference	UNITS	3365/SW301 W/2	3365/SW302 W/1	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
Date analysed	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
Total Suspended Solids	mg/L	21	12	56	15	43
Total Nitrogen in water	mg/L	1.1	1.1	1.6	0.7	0.7
Phosphate as P in water	mg/L	<0.005	<0.005	<0.005	0.01	<0.005
Chlorophyll a	mg/m^3	<5	<5	<5	<5	<5

Miscellaneous Inorganics						
Our Reference		322245-51	322245-52	322245-53	322245-54	322245-55
Your Reference	UNITS	3365/SW304 W/1	3365/SW304 W/2	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
Date analysed	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
Total Suspended Solids	mg/L	50	41	20	23	130
Total Nitrogen in water	mg/L	1.9	2.0	1.5	1.7	0.9
Phosphate as P in water	mg/L	0.01	<0.005	<0.005	<0.005	<0.005
Chlorophyll a	mg/m^3	<5	<5	<5	<5	<5

Miscellaneous Inorganics						
Our Reference		322245-56	322245-57	322245-58	322245-59	322245-60
Your Reference	UNITS	3365/SW306 W/2	3365/SW307 W/1	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
Date analysed	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
Total Suspended Solids	mg/L	48	<5	<5	10	67
Total Nitrogen in water	mg/L	0.8	1.5	1.5	1.5	1.4
Phosphate as P in water	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorophyll a	mg/m^3	<5	<5	<5	<5	<5

Miscellaneous Inorganics		
Our Reference		322245-65
Your Reference	UNITS	3365/GW DUP01
Date Sampled		01/05/23-03/05/23
Type of sample		Water
Date prepared	-	04/05/2023
Date analysed	-	04/05/2023
pH	pH Units	3.6
Electrical Conductivity	µS/cm	3,200

Microbiologocal Testing						
Our Reference		322245-1	322245-2	322245-3	322245-4	322245-5
Your Reference	UNITS	3365/GW01	3365/GW02	3365/GW03	3365/GW04	3365/GW05
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
Faecal Coliforms	cfu/100mL	<1,000	<1,000 NBO	<1,000 NBO	45 MPN/100mL	78 MPN/100mL

Microbiologocal Testing						
Our Reference		322245-6	322245-7	322245-8	322245-9	322245-10
Your Reference	UNITS	3365/GW06	3365/GW07	3365/SW101	3365/SW102	3365/SW103
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
E. coli	cfu/100mL	[NA]	[NA]	<1,000	1,600	<100/>10
Faecal Coliforms	cfu/100mL	<1,000 NBO	460 MPN/100mL	<1,000	1,600	<100/>10

Microbiologocal Testing						
Our Reference		322245-11	322245-12	322245-13	322245-14	322245-15
Your Reference	UNITS	3365/SW201 W/1	3365/SW201 W/2	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
E. coli	cfu/100mL	100 A	<100/>10	55 A	27 A	60 A
Faecal Coliforms	cfu/100mL	100 A	<100/>10	55 A	27 A	60 A

Microbiologocal Testing						
Our Reference		322245-16	322245-17	322245-18	322245-19	322245-20
Your Reference	UNITS	3365/SW203 W/2	3365/SW204 W/1	3365/SW204 W/2	3365/SW205 W/1	3365/SW205 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
E. coli	cfu/100mL	60 A	<1,000	1,000 A	30 A	200 A
Faecal Coliforms	cfu/100mL	60 A	<1,000	1,000 A	30 A	200 A

Microbiologocal Testing						
Our Reference		322245-21	322245-22	322245-23	322245-24	322245-25
Your Reference	UNITS	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
E. coli	cfu/100mL	400 A	300 A NBO	400 A	190	600 A
Faecal Coliforms	cfu/100mL	400 A	300 A NBO	400 A	190	600 A

Microbiologocal Testing						
Our Reference		322245-26	322245-27	322245-28	322245-29	322245-30
Your Reference	UNITS	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
E. coli	cfu/100mL	600 A	100	150	190	270
Faecal Coliforms	cfu/100mL	600 A	100	150	190	270

Microbiologocal Testing						
Our Reference		322245-31	322245-32	322245-33	322245-34	322245-35
Your Reference	UNITS	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
E. coli	cfu/100mL	220	140	400 A	300 A	300 A
Faecal Coliforms	cfu/100mL	220	140	400 A	300 A	300 A

Microbiologocal Testing						
Our Reference		322245-36	322245-37	322245-38	322245-39	322245-40
Your Reference	UNITS	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
E. coli	cfu/100mL	300	800 A	200 A	400 A	600 A
Faecal Coliforms	cfu/100mL	300	800 A	200 A	400 A	600 A

Microbiologocal Testing						
Our Reference		322245-41	322245-42	322245-43	322245-44	322245-45
Your Reference	UNITS	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2	3365/SW301 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
E. coli	cfu/100mL	1,600	1,000 NBO	900 A	900 A	400 A
Faecal Coliforms	cfu/100mL	1,600	1,000 NBO	900 A	900 A	400 A

Microbiologocal Testing						
Our Reference		322245-46	322245-47	322245-48	322245-49	322245-50
Your Reference	UNITS	3365/SW301 W/2	3365/SW302 W/1	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
E. coli	cfu/100mL	1,000 A	910 A	8,000 A	300 A	600 A
Faecal Coliforms	cfu/100mL	1,000 A	910 A	8,000 A	300 A	600 A

Microbiologocal Testing						
Our Reference		322245-51	322245-52	322245-53	322245-54	322245-55
Your Reference	UNITS	3365/SW304 W/1	3365/SW304 W/2	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
E. coli	cfu/100mL	3,000 A	730 A	5,000 A	6,000 A	4,000 A
Faecal Coliforms	cfu/100mL	3,000 A	730 A	5,000 A	6,000 A	4,000A

Microbiologocal Testing						
Our Reference		322245-56	322245-57	322245-58	322245-59	322245-60
Your Reference	UNITS	3365/SW306 W/2	3365/SW307 W/1	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23	01/05/23-03/05/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	04/05/2023	04/05/2023	04/05/2023	04/05/2023	04/05/2023
E. coli	cfu/100mL	270 A	300 A	2,000	600 A	1,500
Faecal Coliforms	cfu/100mL	270 A	300 A	2,000	600 A	1,500

Method ID	Methodology Summary
Ext-008	Subcontracted to Sonic Food & Water Testing. NATA Accreditation No. 4034.
Inorg-001	pH - Measured using pH meter and electrode in accordance with APHA latest edition, 4500-H+. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.
Inorg-002	Conductivity and Salinity - measured using a conductivity cell at 25°C in accordance with APHA latest edition 2510 and Rayment & Lyons.
Inorg-019	Suspended Solids - determined gravimetricially by filtration of the sample. The samples are dried at 104+/-5°C.
Inorg-055/062/127	Total Nitrogen - Calculation sum of TKN and oxidised Nitrogen. Alternatively analysed by combustion and chemiluminescence.
Inorg-060	Phosphate determined colourimetrically based on EPA365.1 and APHA latest edition 4500 P E. Waters samples are filtered on receipt prior to analysis. Soils are analysed following a water extraction.
INORG-119	Chlorophyll A based on APHA 10200 H latest edition.
Metals-020	Determination of various metals by ICP-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Metals-022	Determination of various metals by ICP-MS.
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-021	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			10/05/2023	9	10/05/2023	10/05/2023		10/05/2023	[NT]
Date analysed	-			11/05/2023	9	11/05/2023	11/05/2023		11/05/2023	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	<10	9	<10	<10	0	103	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	<10	9	<10	<10	0	103	[NT]
Surrogate Dibromofluoromethane	%		Org-023	98	9	99	96	3	97	[NT]
Surrogate toluene-d8	%		Org-023	99	9	99	99	0	100	[NT]
Surrogate 4-BFB	%		Org-023	111	9	111	113	2	106	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	[NT]
Date extracted	-			[NT]	18	10/05/2023	10/05/2023		10/05/2023	[NT]
Date analysed	-			[NT]	18	11/05/2023	11/05/2023		11/05/2023	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	18	<10	<10	0	118	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	18	<10	<10	0	118	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	18	97	98	1	96	[NT]
Surrogate toluene-d8	%		Org-023	[NT]	18	99	99	0	100	[NT]
Surrogate 4-BFB	%		Org-023	[NT]	18	113	118	4	108	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	[NT]
Date extracted	-			[NT]	25	10/05/2023	10/05/2023		10/05/2023	[NT]
Date analysed	-			[NT]	25	11/05/2023	11/05/2023		11/05/2023	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	25	<10	<10	0	102	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	25	<10	<10	0	102	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	25	98	97	1	105	[NT]
Surrogate toluene-d8	%		Org-023	[NT]	25	99	99	0	99	[NT]
Surrogate 4-BFB	%		Org-023	[NT]	25	113	116	3	103	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W4	[NT]
Date extracted	-			[NT]	34	10/05/2023	10/05/2023		10/05/2023	[NT]
Date analysed	-			[NT]	34	11/05/2023	11/05/2023		11/05/2023	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	34	<10	<10	0	104	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	34	<10	<10	0	104	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	34	97	97	0	99	[NT]
Surrogate toluene-d8	%		Org-023	[NT]	34	99	99	0	98	[NT]
Surrogate 4-BFB	%		Org-023	[NT]	34	114	117	3	99	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	43	10/05/2023	10/05/2023		[NT]	[NT]
Date analysed	-			[NT]	43	11/05/2023	11/05/2023		[NT]	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	43	<10	<10	0	[NT]	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	43	<10	<10	0	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	43	112	97	14	[NT]	[NT]
Surrogate toluene-d8	%		Org-023	[NT]	43	103	98	5	[NT]	[NT]
Surrogate 4-BFB	%		Org-023	[NT]	43	101	117	15	[NT]	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	50	10/05/2023	10/05/2023		[NT]	[NT]
Date analysed	-			[NT]	50	11/05/2023	11/05/2023		[NT]	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	50	<10	<10	0	[NT]	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	50	<10	<10	0	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	50	112	97	14	[NT]	[NT]
Surrogate toluene-d8	%		Org-023	[NT]	50	106	99	7	[NT]	[NT]
Surrogate 4-BFB	%		Org-023	[NT]	50	104	118	13	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	322245-9
Date extracted	-			10/05/2023	8	08/05/2023	08/05/2023		09/05/2023	08/05/2023
Date analysed	-			11/05/2023	8	10/05/2023	10/05/2023		10/05/2023	11/05/2023
TRH C_{10} - C_{14}	µg/L	50	Org-020	<50	8	<50	<50	0	102	108
TRH C_{15} - C_{28}	µg/L	100	Org-020	<100	8	<100	270	92	111	123
TRH C_{29} - C_{36}	µg/L	100	Org-020	<100	8	<100	<100	0	100	98
TRH >C_{10} - C_{16}	µg/L	50	Org-020	<50	8	81	230	96	102	108
TRH >C_{16} - C_{34}	µg/L	100	Org-020	<100	8	<100	<100	0	111	123
TRH >C_{34} - C_{40}	µg/L	100	Org-020	<100	8	<100	<100	0	100	98
Surrogate o-Terphenyl	%		Org-020	92	8	83	72	14	86	85

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	322245-29
Date extracted	-			[NT]	18	08/05/2023	08/05/2023		08/05/2023	08/05/2023
Date analysed	-			[NT]	18	11/05/2023	11/05/2023		10/05/2023	10/05/2023
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	18	<50	<50	0	125	108
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	18	<100	<100	0	120	99
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	18	<100	<100	0	114	88
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	18	<50	<50	0	125	108
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	18	<100	<100	0	120	99
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	18	<100	<100	0	114	88
Surrogate o-Terphenyl	%		Org-020	[NT]	18	91	86	6	97	87

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W4	322245-42
Date extracted	-			[NT]	28	08/05/2023	08/05/2023		08/05/2023	08/05/2023
Date analysed	-			[NT]	28	10/05/2023	10/05/2023		11/05/2023	11/05/2023
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	28	<50	<50	0	123	134
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	28	<100	<100	0	120	128
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	28	<100	<100	0	114	133
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	28	<50	<50	0	123	134
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	28	<100	<100	0	120	128
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	28	<100	<100	0	114	133
Surrogate o-Terphenyl	%		Org-020	[NT]	28	93	89	4	84	94

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	322245-52
Date extracted	-			[NT]	41	08/05/2023	08/05/2023		[NT]	08/05/2023
Date analysed	-			[NT]	41	11/05/2023	11/05/2023		[NT]	11/05/2023
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	41	<50	<50	0	[NT]	107
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	41	<100	<100	0	[NT]	126
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	41	<100	<100	0	[NT]	87
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	41	<50	<50	0	[NT]	107
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	41	<100	<100	0	[NT]	126
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	41	<100	<100	0	[NT]	87
Surrogate o-Terphenyl	%		Org-020	[NT]	41	108	96	12	[NT]	80

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	51	08/05/2023	08/05/2023		[NT]	[NT]
Date analysed	-			[NT]	51	11/05/2023	11/05/2023		[NT]	[NT]
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	51	<50	<50	0	[NT]	[NT]
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	51	<100	<100	0	[NT]	[NT]
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	51	<100	<100	0	[NT]	[NT]
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	51	<50	<50	0	[NT]	[NT]
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	51	<100	<100	0	[NT]	[NT]
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	51	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-020	[NT]	51	87	81	7	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	60	08/05/2023	08/05/2023		[NT]	[NT]
Date analysed	-			[NT]	60	11/05/2023	11/05/2023		[NT]	[NT]
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	60	<50	<50	0	[NT]	[NT]
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	60	<100	<100	0	[NT]	[NT]
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	60	<100	<100	0	[NT]	[NT]
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	60	<50	<50	0	[NT]	[NT]
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	60	<100	<100	0	[NT]	[NT]
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	60	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-020	[NT]	60	75	70	7	[NT]	[NT]

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	322245-10
Date extracted	-			10/05/2023	8	08/05/2023	08/05/2023		10/05/2023	08/05/2023
Date analysed	-			10/05/2023	8	08/05/2023	08/05/2023		10/05/2023	09/05/2023
Naphthalene	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	71	77
Acenaphthylene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	72	74
Fluorene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	72	83
Phenanthrene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	76	78
Anthracene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	75	89
Pyrene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	78	91
Benzo(a)anthracene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	69	64
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	85	80
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	99	8	69	73	6	96	81

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W4	322245-30
Date extracted	-			[NT]	28	09/05/2023	09/05/2023		08/05/2023	09/05/2023
Date analysed	-			[NT]	28	09/05/2023	09/05/2023		09/05/2023	09/05/2023
Naphthalene	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	91	71
Acenaphthylene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	97	73
Fluorene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	97	74
Phenanthrene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	104	88
Anthracene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	101	91
Pyrene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	108	96
Benzo(a)anthracene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	73	64
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	97	78
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	28	110	112	2	115	89

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	322245-52
Date extracted	-			[NT]	41	09/05/2023	09/05/2023		08/05/2023	10/05/2023
Date analysed	-			[NT]	41	09/05/2023	09/05/2023		08/05/2023	10/05/2023
Naphthalene	µg/L	0.2	Org-022/025	[NT]	41	<0.2	<0.2	0	76	68
Acenaphthylene	µg/L	0.1	Org-022/025	[NT]	41	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	[NT]	41	<0.1	<0.1	0	86	67
Fluorene	µg/L	0.1	Org-022/025	[NT]	41	<0.1	<0.1	0	87	67
Phenanthrene	µg/L	0.1	Org-022/025	[NT]	41	<0.1	<0.1	0	85	71
Anthracene	µg/L	0.1	Org-022/025	[NT]	41	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	[NT]	41	<0.1	<0.1	0	86	69
Pyrene	µg/L	0.1	Org-022/025	[NT]	41	<0.1	<0.1	0	89	72
Benzo(a)anthracene	µg/L	0.1	Org-022/025	[NT]	41	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	[NT]	41	<0.1	<0.1	0	69	69
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	[NT]	41	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	[NT]	41	<0.1	<0.1	0	85	93
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	[NT]	41	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	[NT]	41	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	[NT]	41	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	41	113	105	7	98	76

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	51	10/05/2023	10/05/2023		[NT]	[NT]
Date analysed	-			[NT]	51	10/05/2023	10/05/2023		[NT]	[NT]
Naphthalene	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Acenaphthylene	µg/L	0.1	Org-022/025	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Fluorene	µg/L	0.1	Org-022/025	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	µg/L	0.1	Org-022/025	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Anthracene	µg/L	0.1	Org-022/025	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Pyrene	µg/L	0.1	Org-022/025	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Benzo(a)anthracene	µg/L	0.1	Org-022/025	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	51	92	87	6	[NT]	[NT]

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	60	10/05/2023	10/05/2023		[NT]	[NT]
Date analysed	-			[NT]	60	10/05/2023	10/05/2023		[NT]	[NT]
Naphthalene	µg/L	0.2	Org-022/025	[NT]	60	<0.2	<0.2	0	[NT]	[NT]
Acenaphthylene	µg/L	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Fluorene	µg/L	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	µg/L	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Anthracene	µg/L	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Pyrene	µg/L	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Benzo(a)anthracene	µg/L	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	[NT]	60	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	60	81	73	10	[NT]	[NT]

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	322245-10
Date extracted	-			10/05/2023	8	08/05/2023	08/05/2023		10/05/2023	08/05/2023
Date analysed	-			10/05/2023	8	08/05/2023	08/05/2023		10/05/2023	09/05/2023
alpha-BHC	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	72	86
HCB	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	74	85
gamma-BHC	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	77	87
delta-BHC	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	74	86
Heptachlor Epoxide	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	76	82
gamma-Chlordane	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	79	94
Dieldrin	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	82	94
Endrin	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	67	90
Endosulfan II	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	79	84
Endrin Aldehyde	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	73	86
Methoxychlor	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	96	8	70	67	4	91	75

QUALITY CONTROL: Organochlorine Pesticides in Water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W4	322245-30
Date extracted	-			[NT]	28	09/05/2023	09/05/2023		08/05/2023	09/05/2023
Date analysed	-			[NT]	28	09/05/2023	09/05/2023		09/05/2023	09/05/2023
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	94	73
HCB	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	93	71
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	103	85
delta-BHC	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	103	90
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	100	90
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	113	99
Dieldrin	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	105	102
Endrin	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	106	99
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	100	86
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	96	84
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	28	101	100	1	108	72

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	322245-52
Date extracted	-			[NT]	41	09/05/2023	09/05/2023		08/05/2023	10/05/2023
Date analysed	-			[NT]	41	09/05/2023	09/05/2023		08/05/2023	10/05/2023
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	41	<0.2	<0.2	0	90	68
HCB	µg/L	0.2	Org-022/025	[NT]	41	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	41	<0.2	<0.2	0	91	72
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	41	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	41	<0.2	<0.2	0	82	75
delta-BHC	µg/L	0.2	Org-022/025	[NT]	41	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	41	<0.2	<0.2	0	84	68
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	41	<0.2	<0.2	0	78	72
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	41	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	41	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	41	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	41	<0.2	<0.2	0	90	75
Dieldrin	µg/L	0.2	Org-022/025	[NT]	41	<0.2	<0.2	0	94	77
Endrin	µg/L	0.2	Org-022/025	[NT]	41	<0.2	<0.2	0	84	69
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	41	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	41	<0.2	<0.2	0	82	77
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	41	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	41	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	41	<0.2	<0.2	0	80	78
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	41	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	41	108	104	4	102	71

QUALITY CONTROL: Organochlorine Pesticides in Water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	51	10/05/2023	10/05/2023		[NT]	[NT]
Date analysed	-			[NT]	51	10/05/2023	10/05/2023		[NT]	[NT]
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
HCB	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
delta-BHC	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Dieldrin	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Endrin	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	51	89	88	1	[NT]	[NT]

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	60	10/05/2023	10/05/2023		[NT]	[NT]
Date analysed	-			[NT]	60	10/05/2023	10/05/2023		[NT]	[NT]
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	60	<0.2	<0.2	0	[NT]	[NT]
HCB	µg/L	0.2	Org-022/025	[NT]	60	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	60	<0.2	<0.2	0	[NT]	[NT]
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	60	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	60	<0.2	<0.2	0	[NT]	[NT]
delta-BHC	µg/L	0.2	Org-022/025	[NT]	60	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	60	<0.2	<0.2	0	[NT]	[NT]
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	60	<0.2	<0.2	0	[NT]	[NT]
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	60	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	60	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	60	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	60	<0.2	<0.2	0	[NT]	[NT]
Dieldrin	µg/L	0.2	Org-022/025	[NT]	60	<0.2	<0.2	0	[NT]	[NT]
Endrin	µg/L	0.2	Org-022/025	[NT]	60	<0.2	<0.2	0	[NT]	[NT]
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	60	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	60	<0.2	<0.2	0	[NT]	[NT]
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	60	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	60	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	60	<0.2	<0.2	0	[NT]	[NT]
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	60	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	60	80	67	18	[NT]	[NT]

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	322245-10
Date extracted	-			10/05/2023	8	08/05/2023	08/05/2023		10/05/2023	08/05/2023
Date analysed	-			10/05/2023	8	08/05/2023	08/05/2023		10/05/2023	09/05/2023
Aroclor 1016	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	<2	8	<2	<2	0	73	102
Aroclor 1260	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	96	8	70	67	4	91	75

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W4	322245-30
Date extracted	-			[NT]	28	09/05/2023	09/05/2023		08/05/2023	09/05/2023
Date analysed	-			[NT]	28	09/05/2023	09/05/2023		09/05/2023	09/05/2023
Aroclor 1016	µg/L	2	Org-021	[NT]	28	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	[NT]	28	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	[NT]	28	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	[NT]	28	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	[NT]	28	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	[NT]	28	<2	<2	0	87	83
Aroclor 1260	µg/L	2	Org-021	[NT]	28	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	28	101	100	1	108	72

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	322245-52
Date extracted	-			[NT]	41	09/05/2023	09/05/2023		08/05/2023	10/05/2023
Date analysed	-			[NT]	41	09/05/2023	09/05/2023		08/05/2023	10/05/2023
Aroclor 1016	µg/L	2	Org-021	[NT]	41	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	[NT]	41	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	[NT]	41	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	[NT]	41	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	[NT]	41	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	[NT]	41	<2	<2	0	108	66
Aroclor 1260	µg/L	2	Org-021	[NT]	41	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	41	108	104	4	102	71

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	51	10/05/2023	10/05/2023		[NT]	[NT]
Date analysed	-			[NT]	51	10/05/2023	10/05/2023		[NT]	[NT]
Aroclor 1016	µg/L	2	Org-021	[NT]	51	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	[NT]	51	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	[NT]	51	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	[NT]	51	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	[NT]	51	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	[NT]	51	<2	<2	0	[NT]	[NT]
Aroclor 1260	µg/L	2	Org-021	[NT]	51	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	51	89	88	1	[NT]	[NT]

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	60	10/05/2023	10/05/2023		[NT]	[NT]
Date analysed	-			[NT]	60	10/05/2023	10/05/2023		[NT]	[NT]
Aroclor 1016	µg/L	2	Org-021	[NT]	60	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	[NT]	60	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	[NT]	60	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	[NT]	60	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	[NT]	60	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	[NT]	60	<2	<2	0	[NT]	[NT]
Aroclor 1260	µg/L	2	Org-021	[NT]	60	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	60	80	67	18	[NT]	[NT]

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	322245-9
Date prepared	-			07/05/2023	8	07/05/2023	07/05/2023		07/05/2023	07/05/2023
Date analysed	-			09/05/2023	8	09/05/2023	09/05/2023		09/05/2023	09/05/2023
Aluminium-Total	µg/L	10	Metals-022	<10	8	1000	1000	0	99	[NT]
Arsenic-Total	µg/L	1	Metals-022	<1	8	<1	<1	0	88	[NT]
Chromium-Total	µg/L	1	Metals-022	<1	8	2	2	0	90	[NT]
Copper-Total	µg/L	1	Metals-022	<1	8	3	3	0	89	[NT]
Iron-Total	µg/L	10	Metals-022	<10	8	1600	1600	0	102	[NT]
Mercury-Total	µg/L	0.05	Metals-021	<0.05	8	<0.05	<0.05	0	116	110
Lead-Total	µg/L	1	Metals-022	<1	8	<1	<1	0	88	[NT]
Selenium-Total	µg/L	1	Metals-022	<1	8	<1	<1	0	95	[NT]
Zinc-Total	µg/L	1	Metals-022	<1	8	12	10	18	97	[NT]

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	322245-10
Date prepared	-			[NT]	17	07/05/2023	07/05/2023		07/05/2023	07/05/2023
Date analysed	-			[NT]	17	09/05/2023	09/05/2023		09/05/2023	09/05/2023
Aluminium-Total	µg/L	10	Metals-022	[NT]	17	3300	[NT]		99	#
Arsenic-Total	µg/L	1	Metals-022	[NT]	17	5	[NT]		88	91
Chromium-Total	µg/L	1	Metals-022	[NT]	17	5	[NT]		89	90
Copper-Total	µg/L	1	Metals-022	[NT]	17	3	[NT]		86	88
Iron-Total	µg/L	10	Metals-022	[NT]	17	5400	[NT]		102	#
Mercury-Total	µg/L	0.05	Metals-021	[NT]	17	<0.05	<0.05	0	117	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	17	3	[NT]		89	78
Selenium-Total	µg/L	1	Metals-022	[NT]	17	<1	[NT]		99	92
Zinc-Total	µg/L	1	Metals-022	[NT]	17	14	[NT]		96	90

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	322245-29
Date prepared	-			[NT]	20	07/05/2023	07/05/2023		07/05/2023	07/05/2023
Date analysed	-			[NT]	20	09/05/2023	09/05/2023		09/05/2023	09/05/2023
Aluminium-Total	µg/L	10	Metals-022	[NT]	20	160	170	6	105	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	20	1	1	0	90	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	20	<1	<1	0	90	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	20	<1	<1	0	89	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	20	360	360	0	104	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	20	<0.05	[NT]		118	123
Lead-Total	µg/L	1	Metals-022	[NT]	20	<1	<1	0	96	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	20	<1	<1	0	99	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	20	6	7	15	98	[NT]

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	322245-30
Date prepared	-			[NT]	28	07/05/2023	07/05/2023		[NT]	07/05/2023
Date analysed	-			[NT]	28	09/05/2023	09/05/2023		[NT]	09/05/2023
Aluminium-Total	µg/L	10	Metals-022	[NT]	28	240	290	19	[NT]	102
Arsenic-Total	µg/L	1	Metals-022	[NT]	28	2	1	67	[NT]	87
Chromium-Total	µg/L	1	Metals-022	[NT]	28	<1	<1	0	[NT]	92
Copper-Total	µg/L	1	Metals-022	[NT]	28	<1	<1	0	[NT]	98
Iron-Total	µg/L	10	Metals-022	[NT]	28	500	510	2	[NT]	#
Mercury-Total	µg/L	0.05	Metals-021	[NT]	28	<0.05	<0.05	0	[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	28	<1	<1	0	[NT]	89
Selenium-Total	µg/L	1	Metals-022	[NT]	28	<1	<1	0	[NT]	94
Zinc-Total	µg/L	1	Metals-022	[NT]	28	4	4	0	[NT]	104

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	322245-49
Date prepared	-			[NT]	35	07/05/2023	07/05/2023		[NT]	07/05/2023
Date analysed	-			[NT]	35	09/05/2023	09/05/2023		[NT]	09/05/2023
Aluminium-Total	µg/L	10	Metals-022	[NT]	35	90	[NT]		[NT]	#
Arsenic-Total	µg/L	1	Metals-022	[NT]	35	1	[NT]		[NT]	89
Chromium-Total	µg/L	1	Metals-022	[NT]	35	<1	[NT]		[NT]	96
Copper-Total	µg/L	1	Metals-022	[NT]	35	<1	[NT]		[NT]	96
Iron-Total	µg/L	10	Metals-022	[NT]	35	170	[NT]		[NT]	#
Mercury-Total	µg/L	0.05	Metals-021	[NT]	35	<0.05	<0.05	0	[NT]	118
Lead-Total	µg/L	1	Metals-022	[NT]	35	<1	[NT]		[NT]	82
Selenium-Total	µg/L	1	Metals-022	[NT]	35	<1	[NT]		[NT]	90
Zinc-Total	µg/L	1	Metals-022	[NT]	35	2	[NT]		[NT]	81

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	40	07/05/2023	07/05/2023		[NT]	[NT]
Date analysed	-			[NT]	40	09/05/2023	09/05/2023		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	40	100	100	0	[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	40	1	1	0	[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	40	<1	<1	0	[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	40	<1	<1	0	[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	40	220	210	5	[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	40	<0.05	[NT]		[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	40	<1	<1	0	[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	40	<1	<1	0	[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	40	4	4	0	[NT]	[NT]

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	48	07/05/2023	07/05/2023		[NT]	[NT]
Date analysed	-			[NT]	48	09/05/2023	09/05/2023		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	48	1500	1700	12	[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	48	<1	<1	0	[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	48	3	2	40	[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	48	2	2	0	[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	48	2000	1900	5	[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	48	<0.05	<0.05	0	[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	48	2	2	0	[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	48	<1	<1	0	[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	48	7	8	13	[NT]	[NT]

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	53	07/05/2023	07/05/2023		[NT]	[NT]
Date analysed	-			[NT]	53	09/05/2023	09/05/2023		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	53	1500	[NT]		[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	53	<1	[NT]		[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	53	2	[NT]		[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	53	2	[NT]		[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	53	2100	[NT]		[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	53	<0.05	<0.05	0	[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	53	1	[NT]		[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	53	<1	[NT]		[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	53	3	[NT]		[NT]	[NT]

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	60	07/05/2023	07/05/2023		[NT]	[NT]
Date analysed	-			[NT]	60	09/05/2023	09/05/2023		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	60	1900	1800	5	[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	60	<1	1	0	[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	60	3	3	0	[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	60	3	3	0	[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	60	2900	2700	7	[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	60	<0.05	[NT]		[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	60	2	2	0	[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	60	<1	<1	0	[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	60	9	11	20	[NT]	[NT]

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	322245-9
Date prepared	-			07/05/2023	8	07/05/2023	07/05/2023		07/05/2023	07/05/2023
Date analysed	-			08/05/2023	8	08/05/2023	08/05/2023		08/05/2023	08/05/2023
Phosphorus - Total	mg/L	0.05	Metals-020	<0.05	8	0.05	0.06	18	103	101

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	322245-29
Date prepared	-			[NT]	20	07/05/2023	07/05/2023		07/05/2023	07/05/2023
Date analysed	-			[NT]	20	08/05/2023	08/05/2023		08/05/2023	08/05/2023
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	20	<0.05	0.05	0	104	102

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	322245-50
Date prepared	-			[NT]	28	07/05/2023	07/05/2023		07/05/2023	07/05/2023
Date analysed	-			[NT]	28	08/05/2023	08/05/2023		08/05/2023	08/05/2023
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	28	<0.05	<0.05	0	103	106

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	40	07/05/2023	07/05/2023		[NT]	[NT]
Date analysed	-			[NT]	40	08/05/2023	08/05/2023		[NT]	[NT]
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	40	<0.05	<0.05	0	[NT]	[NT]

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	48	07/05/2023	07/05/2023		[NT]	[NT]
Date analysed	-			[NT]	48	08/05/2023	08/05/2023		[NT]	[NT]
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	48	<0.05	<0.05	0	[NT]	[NT]

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	60	07/05/2023	07/05/2023		[NT]	[NT]
Date analysed	-			[NT]	60	08/05/2023	08/05/2023		[NT]	[NT]
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	60	<0.05	<0.05	0	[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	322245-2
Date prepared	-			04/05/2023	1	04/05/2023	04/05/2023		04/05/2023	04/05/2023
Date analysed	-			04/05/2023	1	04/05/2023	04/05/2023		04/05/2023	04/05/2023
Total Suspended Solids	mg/L	5	Inorg-019	<5	8	13	14	7	93	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	<0.1	1	0.2	0.2	0	100	97
Phosphate as P in water	mg/L	0.005	Inorg-060	<0.005	1	<0.005	<0.005	0	105	102
Chlorophyll a	mg/m^3	5	INORG-119	<5	8	<5	<5	0	97	[NT]
pH	pH Units		Inorg-001	[NT]	[NT]	[NT]	[NT]	[NT]	99	[NT]
Electrical Conductivity	µS/cm	1	Inorg-002	<1	[NT]	[NT]	[NT]	[NT]	103	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	322245-22
Date prepared	-			[NT]	8	04/05/2023	04/05/2023		04/05/2023	04/05/2023
Date analysed	-			[NT]	8	04/05/2023	04/05/2023		04/05/2023	04/05/2023
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	11	5	[NT]		99	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	8	1.7	[NT]		100	102
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	8	<0.005	[NT]		105	104
Chlorophyll a	mg/m^3	5	INORG-119	[NT]	11	<5	[NT]		96	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	322245-42
Date prepared	-			[NT]	11	04/05/2023	04/05/2023		04/05/2023	04/05/2023
Date analysed	-			[NT]	11	04/05/2023	04/05/2023		04/05/2023	04/05/2023
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	17	340	360	6	102	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	11	0.5	0.5	0	107	108
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	11	0.04	0.04	0	104	103
Chlorophyll a	mg/m^3	5	INORG-119	[NT]	17	<5	[NT]		83	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	17	04/05/2023	04/05/2023		[NT]	[NT]
Date analysed	-			[NT]	17	04/05/2023	04/05/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	17	0.2	[NT]		[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	17	0.006	[NT]		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	21	18	[NT]		[NT]	[NT]
Chlorophyll a	mg/m^3	5	INORG-119	[NT]	21	<5	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	21	04/05/2023	04/05/2023		[NT]	[NT]
Date analysed	-			[NT]	21	04/05/2023	04/05/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	21	0.2	0.2	0	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	21	0.008	0.008	0	[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	28	16	21	27	[NT]	[NT]
Chlorophyll a	mg/m^3	5	INORG-119	[NT]	28	<5	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	28	04/05/2023	04/05/2023		[NT]	[NT]
Date analysed	-			[NT]	28	04/05/2023	04/05/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	28	0.3	[NT]		[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	28	0.009	[NT]		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	31	7	[NT]		[NT]	[NT]
Chlorophyll a	mg/m^3	5	INORG-119	[NT]	31	<5	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	31	04/05/2023	04/05/2023		[NT]	[NT]
Date analysed	-			[NT]	31	04/05/2023	04/05/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	31	0.3	0.3	0	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	31	0.01	0.009	11	[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	38	5	6	18	[NT]	[NT]
Chlorophyll a	mg/m^3	5	INORG-119	[NT]	38	<5	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	38	04/05/2023	04/05/2023		[NT]	[NT]
Date analysed	-			[NT]	38	04/05/2023	04/05/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	38	0.3	[NT]		[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	38	0.02	[NT]		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	41	6	[NT]		[NT]	[NT]
Chlorophyll a	mg/m^3	5	INORG-119	[NT]	41	<5	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	41	04/05/2023	04/05/2023		[NT]	[NT]
Date analysed	-			[NT]	41	04/05/2023	04/05/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	41	0.3	0.3	0	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	41	0.02	0.02	0	[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	48	56	67	18	[NT]	[NT]
Chlorophyll a	mg/m^3	5	INORG-119	[NT]	48	<5	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	48	04/05/2023	04/05/2023		[NT]	[NT]
Date analysed	-			[NT]	48	04/05/2023	04/05/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	48	1.6	[NT]		[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	48	<0.005	[NT]		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	51	50	[NT]		[NT]	[NT]
Chlorophyll a	mg/m^3	5	INORG-119	[NT]	51	<5	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	51	04/05/2023	04/05/2023		[NT]	[NT]
Date analysed	-			[NT]	51	04/05/2023	04/05/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	51	1.9	1.9	0	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	51	0.01	<0.005	67	[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	60	67	69	3	[NT]	[NT]
Chlorophyll a	mg/m^3	5	INORG-119	[NT]	60	<5	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	60	04/05/2023	04/05/2023		[NT]	[NT]
Date analysed	-			[NT]	60	04/05/2023	04/05/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	60	1.4	[NT]		[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	60	<0.005	[NT]		[NT]	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

The recommended maximums for analytes in urine are taken from “2018 TLVs and BEIs”, as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016.

Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Where matrix spike recoveries fall below the lower limit of the acceptance criteria (e.g. for non-labile or standard Organics <60%), positive result(s) in the parent sample will subsequently have a higher than typical estimated uncertainty (MU estimates supplied on request) and in these circumstances the sample result is likely biased significantly low.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Report Comments

All metals in water - total - # Percent recovery is not applicable due to the high concentration of the element/s in the sample/s. However an acceptable recovery was obtained for the LCS.

Microbiology analysed by Sonic Food & Water Testing. Report No. W2310616-624 & W22310676
NBO: The presence of competing background organisms in the sample may have reduced the count.
A: Approximate
The time between collection and the commencement of testing should not exceed 24 hours. Samples tested outside this time may have their results compromised

vTRH in Water (C6-C9) NEPM - The PQL has been raised as samples 322245-8,10,45,46,52,53,54,55,56,57,58,59,59,60 were foamy and therefore required a dilution.

Lab Document Event 6

Envirolab Services Pty Ltd
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SAMPLE RECEIPT ADVICE

Client Details

Client	Martens & Associates Pty Ltd
Attention	Trystan Richards

Sample Login Details

Your reference	P1203365 – Water Sampling, West Culburra, NSW
Envirolab Reference	322245
Date Sample Received	03/05/2023
Date Instructions Received	03/05/2023
Date Results Expected to be Reported	11/05/2023

Sample Condition

Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	65 Water
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	1
Cooling Method	Ice
Sampling Date Provided	YES

Comments

Nil

Please direct any queries to:

Aileen Hie	Jacinta Hurst
Phone: 02 9910 6200	**Phone: 02 9910 6200**
Fax: 02 9910 6201	**Fax: 02 9910 6201**
Email: ahie@envirolab.com.au	**Email: jhurst@envirolab.com.au**

Analysis Underway, details on the following page:

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Sample ID	vTRH in Water (C6-C9) NEPM	svTRH (C10-C40) in Water	PAHs in Water	Organochlorine Pesticides in Water	PCBs in Water	All metals in water - total	Metals in Waters -Acid extractable	Total Suspended Solids	Total Nitrogen in water	Phosphate as P in water	Chlorophyll a	pH	Electrical Conductivity	Microbiologocal Testing
3365/GW01							✓		✓	✓				✓
3365/GW02							✓		✓	✓				✓
3365/GW03							✓		✓	✓				✓
3365/GW04							✓		✓	✓				✓
3365/GW05							✓		✓	✓				✓
3365/GW06							✓		✓	✓				✓
3365/GW07							✓		✓	✓				✓
3365/SW101	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW102	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW103	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW201 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW201 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW202 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW202 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW203 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW203 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW204 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW204 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW205 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW205 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW206 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW206 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW207 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW207 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW208 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW208 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW209 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW209 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW210 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW210 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW211 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW211 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓

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Sample ID	vTRH in Water (C6-C9) NEPM	svTRH (C10-C40) in Water	PAHs in Water	Organochlorine Pesticides in Water	PCBs in Water	All metals in water - total	Metals in Waters -Acid extractable	Total Suspended Solids	Total Nitrogen in water	Phosphate as P in water	Chlorophyll a	pH	Electrical Conductivity	Microbiologocal Testing
3365/SW212 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW212 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW213 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW213 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW214 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW214 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW215 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW215 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW216 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW216 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW217 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW217 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW301 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW301 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW302 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW302 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW303 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW303 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW304 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW304 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW305 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW305 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW306 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW306 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW307 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW307 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW308 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW308 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/DUP01						✓								
3365/DUP02						✓								
3365/DUP03						✓								
3365/DUP04						✓								

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

Sample ID	vTRH in Water (C6-C9) NEPM	svTRH (C10-C40) in Water	PAHs in Water	Organochlorine Pesticides in Water	PCBs in Water	All metals in water - total	Metals in Waters -Acid extractable	Total Suspended Solids	Total Nitrogen in water	Phosphate as P in water	Chlorophyll a	pH	Electrical Conductivity	Microbiologocal Testing
3365/GW DUP01												✓	✓	

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.
Requests for longer term sample storage must be received in writing.
Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.
TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

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SAMPLE ANALYSIS CHAIN OF CUSTODY FORM

WEST CULBURRA – ENVIROLAB QUOTATION – 22SY375_B0												
Name	P1203365 – Water Sampling, West Culburra, NSW											
Martens Contact Officer	Trystan Richards					**Contact Email**	trichards@martens.com.au					
Sampling and Shipping	**Sample Date**	01 to 03.05.2023		**Dispatch Date**	03.05.2023	**Turnaround Time**		Standard				
	Our Reference	P1203365COC27V01				**Shipping Method (X)**	**Hand**	X	**Post**		**Courier**	
	On Ice (X)	X	**No Ice (X)**		**Other (X)**							
Laboratory												
Name	Envirolab Services P/L											
Sample Delivery Address	12 Ashley St, Chatswood											
Delivery Contact	**Name**	Sample Receipt	**Phone**	02 9910 6200	**Fax**		**Email**	samplereceipt@envirolabservices.com.au				
Please Send Report By (X)	**Post**		**Fax**		**Email**	X	**Reporting Email Address**	trichards@martens.com.au; bmonaghan@martens.com.au; and CC_ ANorris@martens.com.au				

	Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN. TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
~1	3365/GW01						X	
2	3365/GW02						X	
3	3365/GW03						X	
4	3365/GW04						X	
5	3365/GW05						X	
6	3365/GW06						X	
7	3365/GW07						X	
							X	
8	3365/SW101	X	X	X	X			
9	3365/SW102	X	X	X	X			

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200
322245
Received: 3/5/23
EW 1300
Cool: Ambient / Icepack
Frozen/Broken/None

322245
3/5/23
EW.

Head Office
Suite 201, 20 George Street
Hornsby NSW 2077, Australia
Ph 02 9476 9999 **Fax** 02 9476 8767

> mail@martens.com.au
> www.martens.com.au
MARTENS & ASSOCIATES P/L
ABN 85 070 240 890 ACN 070 240 890

SOIL ANALYSIS CHAIN OF CUSTODY

Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN, TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
10 3365/SW103	X	X	X	X			
11 3365/SW201 W/1	X	X	X	X			
12 3365/SW201 W/2	X	X	X	X			
13 3365/SW202 W/1	X	X	X	X			
14 3365/SW202 W/2	X	X	X	X			
15 3365/SW203 W/1	X	X	X	X			
16 3365/SW203 W/2	X	X	X	X			
17 3365/SW204 W/1	X	X	X	X			
18 3365/SW204 W/2	X	X	X	X			
19 3365/SW205 W/1	X	X	X	X			
20 3365/SW205 W/2	X	X	X	X			
21 3365/SW206 W/1	X	X	X	X			
22 3365/SW206 W/2	X	X	X	X			
23 3365/SW207 W/1	X	X	X	X			
24 3365/SW207 W/2	X	X	X	X			
25 3365/SW208 W/1	X	X	X	X			
26 3365/SW208 W/2	X	X	X	X			
27 3365/SW209 W/1	X	X	X	X			
28 3365/SW209 W/2	X	X	X	X			
29 3365/SW210 W/1	X	X	X	X			
30 3365/SW210 W/2	X	X	X	X			
31 3365/SW211 W/1	X	X	X	X			
32 3365/SW211 W/2	X	X	X	X			
33 3365/SW212 W/1	X	X	X	X			
34 3365/SW212 W/2	X	X	X	X			
35 3365/SW213 W/1	X	X	X	X			
36 3365/SW213 W/2	X	X	X	X			
37 3365/SW214 W/1	X	X	X	X			
38 3365/SW214 W/2	X	X	X	X			

322245
315123
EW

SOIL ANALYSIS CHAIN OF CUSTODY

Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN. TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
39 3365/SW215 W/1	X	X	X	X			
40 3365/SW215 W/2	X	X	X	X			
41 3365/SW216 W/1	X	X	X	X			
42 3365/SW216 W/2	X	X	X	X			
43 3365/SW217 W/1	X	X	X	X			
44 3365/SW217 W/2	X	X	X	X			
45 3365/SW301 W/1	X	X	X	X			
46 3365/SW301 W/2	X	X	X	X			
47 3365/SW302 W/1	X	X	X	X			
48 3365/SW302 W/2	X	X	X	X			
49 3365/SW303 W/1	X	X	X	X			
50 3365/SW303 W/2	X	X	X	X			
51 3365/SW304 W/1	X	X	X	X			
52 3365/SW304 W/2	X	X	X	X			
53 3365/SW305 W/1	X	X	X	X			
54 3365/SW305 W/2	X	X	X	X			
~~NR 3365/SW306 W/2~~	X	X	X	X			
55 3365/SW306 W/1	X	X	X	X			
56 3365/SW306 W/2	X	X	X	X			
57 3365/SW307 W/1	X	X	X	X			
58 3365/SW307 W/2	X	X	X	X			
59 3365/SW308 W/1	X	X	X	X			
60 3365/SW308 W/2	X	X	X	X			
61 3365/DUP01	X						
62 3365/DUP02	X						
63 3365/DUP03	X						
64 3365/DUP04	X						
65 3365/GW DUP01					X		

322245
315123
EW

Field Sheet Event 6

WATER SAMPLING FORM - Surface Water

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PROJECT INFORMATION

PROJECT NUMBER: 3365

CLIENT: Sealark Pty Ltd

SITE LOCATION: Culburra

MONTHLY / BIMONTHLY: Bimonthly (Event 6)

WET WEATHER (Y/N): Y

DATE: 01 – 03 / 05 / 2023

SAMPLED BY: TR + BTM

ROLE: sampler / engineer

SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	Salinity (ppt)	EC (uS/cm)	TDS (g/L)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
101	11:35	E: 293805.1577 N: 6132989.967	WQ Meter	16.1	5.20	118.3	0.53	0.14	295.5	0.1417	Translucent, brownish yellow, no odour, no sheen, Y sample collected
102	13:50	E: 293965.373 N: 6132268.998	WQ Meter	16.0	7.25	130.5	5.52	0.05	102.4	0.0663	Translucent, brownish yellow, no odour, no sheen, Y sample collected
103	10:16	E: 294551.5727 N: 6132544.192	WQ Meter	15.2	5.24	125.3	6.20	0.07	151.1	0.0981	Dup02, Translucent, brownish yellow, no odour, no sheen, Y sample collected
301	14:20	E: 294133.1279 N: 6132132.344	WQ Meter	16.7	4.81	212.6	6.49	0.06	122.9	0.08	Dup01, Translucent, brownish yellow, no odour, no sheen, Y sample collected
302	12:17	E: 294417.7457 N: 6131862.805	WQ Meter	15.5	4.96	165.0	5.40		177.8	0.1157	Translucent, brownish yellow, no odour, no sheen, Y sample collected
303	13:56	E: 294968.1325 N: 6131646.043	WQ Meter	18.1	8.18	197.8	7.98	24.13	37927	24.6545	Translucent, brownish yellow, no odour, no sheen, Y sample collected
304	15:08	E: 293592.1655 N: 6131495.252	WQ Meter	14.7	4.45	230.3	0.55	0.03	75.3	0.0488	Translucent, brownish yellow, no odour, no sheen, Y sample collected
305	12:54	E: 293972.9125 N: 6131247.39	WQ Meter	17.4	8.72	179.7	3.41	23.43	36948	24.0175	Translucent, brownish yellow, no odour, no sheen, Y sample collected
306	13:24	E: 294344.2352 N: 6130631.032	WQ Meter	18.7	8.67	174.2	8.25	23.46	36957	24.0305	Translucent, brownish yellow, no odour, no sheen, Y sample collected
307	15:58	E: 292325.5219 N: 6131083.405	WQ Meter	16.1	4.32	241.5	3.02	0.06	131.6	0.0858	Translucent, brownish yellow, no odour, no sheen, Y sample collected
308	15:27	E: 293716.568 N: 6130800.672	WQ Meter	15.2	4.52	236.9	5.44	0.07	151.5	0.0981	Translucent, brownish yellow, no odour, no sheen, Y sample collected

Sample bottle codes: P-plastic, G - glass, V - vial Preservation Codes - U - unpreserved, S -sulfuric acid, N - nitric acid, H - hydrochloric acid

WATER SAMPLING FORM - Estuary Surface Water

martens consulting engineers since 1989

PROJECT INFORMATION

PROJECT NUMBER: 3365

CLIENT: Sealark Pty Ltd

SITE LOCATION: Culburra

MONTHLY / BIMONTHLY: Bimonthly (Event 6)

WET WEATHER (Y/N): Y

DATE: 01 – 03 / 05 / 2023

SAMPLED BY: TR + BTM

ROLE: sampler / engineer

SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	Salinity (ppt)	EC (uS/cm)	TDS (g/L)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
201	2nd 16:16	E: 291599.8406 N: 6132279.365	WQ Meter	18.7	-1.34	1977.6	9.43	18.85	30310	19.7015	No sheen, no odour, Y sample collected.
202	2nd 16:41	E: 292093.6809 N: 6132720.429	WQ Meter	18.4	-2.34	++++	8.43	20.03	32037	20.826	No sheen, no odour, Y sample collected.
203	2nd 16:28	E: 292802.3981 N: 6133121.909	WQ Meter	18.3	-2.35	1966.5	8.90	20.35	32499	21.125	No sheen, no odour, Y sample collected.
204	1st 8:05	E: 293266.0802 N: 6132876.874	WQ Meter	13.1	7.19	214.6	4.14	20.40	32622	21.2095	Organic sheen, translucent, no odour, Y sample collected.
205	1st 12:21	E: 293605.3597 N: 6133080.442	WQ Meter	18.1	7.49	131.8	6.06	20.55	32781	21.307	No sheen, Translucent, no odour, Y sample collected.
206	1st 12:10	E: 293650.597 N: 6133344.326	WQ Meter	17.7	7.54	163.0	7.62	19.81	31709	20.6115	No sheen, Translucent, no odour, Y sample collected.
207	2nd 16:49	E: 293920.1357 N: 6133182.226	WQ Meter	18.0	3.32	711.1	9.17	19.89	31797	20.6830	No sheen, no odour, Y sample collected.
208	2nd 16:44	E: 293893.7473 N: 6133355.635	WQ Meter	18.2	7.82	177.0	9.30	20.18	32252	20.9625	No sheen, no odour, Y sample collected.

Sample bottle codes: P-plastic, G - glass, V - vial

Preservation Codes - U - unpreserved, S -sulfuric acid, N - nitric acid, H - hydrochloric acid

WATER SAMPLING FORM - Estuary Surface Water

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PROJECT INFORMATION

PROJECT NUMBER: 3365

CLIENT: Sealark Pty Ltd

SITE LOCATION: Culburra

MONTHLY / BIMONTHLY: Bimonthly (Event 6)

WET WEATHER (Y/N): Y

DATE: 01 – 03 / 05 / 2023

SAMPLED BY: TR + BTM

ROLE: sampler / engineer

SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	Salinity (ppt)	EC (uS/cm)	TDS (g/L)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
209	2nd 16:54	E: 294229.2571 N: 6133216.154	WQ Meter	19.6	-2.33	1586.9	8.22	20.21	32294	20.9885	No sheen, no odour, Y sample collected.
210	3rd 7:03	E: 294591.1553 N: 6132850.486	WQ Meter	16.8	5.81	1632.9	7.45	19.18	30790	20.0135	No sheen, no odour, Y sample collected.
211	3rd 6:57	E: 294994.521 N: 6132922.111	WQ Meter	15.6	5.11	1604.2	7.89	18.96	30480	19.812	No sheen, no odour, Y sample collected, Dup 04
212	3rd 7:09	E: 294583.6157 N: 6133133.219	WQ Meter	17.3	3.41	1715.3	7.63	18.89	30368	19.734	No sheen, no odour, Y sample collected.
213	3rd 6:44	E: 294847.4998 N: 6133472.498	WQ Meter	17.4	4.94	1659.2	7.11	18.30	29496	19.175	No sheen, no odour, Y sample collected.
214	3rd 6:54	E: 294994.521 N: 6133970.108	WQ Meter	16.3	5.84	1634.5	6.91	18.76	30095	19.5585	No sheen, no odour, Y sample collected.
215	2nd 16:38	E: 293950.2939 N: 6133668.526	WQ Meter	18.3	4.71	340.3	8.25	16.60	26983	17.537	No sheen, no odour, Y sample collected., Dup 03
216	2nd 15:53	E: 293079.4764 N: 6134471.488	WQ Meter	18.4	-2.35	++++	7.88	15.32	25078	16.302	No sheen, no odour, Y sample collected.
217	2nd 16:00	E: 293520.5398 N: 6134963.443	WQ Meter	19.1	-2.33	++++	7.90	20.00	31998	20.80	No sheen, no odour, Y sample collected.

Sample bottle codes: P-plastic, G - glass, V - vial

Preservation Codes - U - unpreserved, S -sulfuric acid, N - nitric acid, H - hydrochloric acid

WQ calibration certificate Event 6

28/04/2023

Multi Parameter Water Meter

Instrument YSI Quatro Pro Plus
Serial No. 18G103111

Air-Met Scientific Pty Ltd
1300 137 067

Item	Test	Pass	Comments
Battery	Charge Condition	✓	
	Fuses	✓	
	Capacity	✓	
Switch/keypad	Operation	✓	
Display	Intensity	✓	
	Operation (segments)	✓	
Grill Filter	Condition	✓	
	Seal	✓	
PCB	Condition	✓	
Connectors	Condition	✓	
Sensor	1. pH	✓	
	2. mV	✓	
	3. EC	✓	
	4. D.O	✓	
	5. Temp	✓	
Alarms	Beeper	✓	
	Settings	✓	
Software	Version	✓	
Data logger	Operation	✓	
Download	Operation	✓	
Other tests:			

Certificate of Calibration

This is to certify that the above instrument has been calibrated to the following specifications:

Sensor	Serial no	Standard Solutions	Certified	Solution Bottle Number	Instrument Reading
2. pH 7.00		pH 7.00		393774	pH 6.81
3. pH 4.00		pH 4.00		399527	pH 4.10
4. ORP		234.54mV		398884 / 400204	233.5mV
5. SPC		2760uS/cm		385789	2750uS/cm
6. D.O		0.0%		391223	0.0%
7. Temp		22.5°C		MultiTherm	22.4°C

Calibrated by: **Dom Ta**

Calibration date: **28/04/2023**

Next calibration due: **29/05/2023**

Appendix O – Event 7 Data

Table 44: Surface water - laboratory data event 7

		TRH					Biological			Halogenated Benzenes	Inorganics				Metals								
		C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)	Aluminium	Arsenic	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
		µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL		10	50	100	100	50	1	1	0.001	0.2	0.1	0.05	0.005	5	0.01	0.001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Date**																						
SW302	**19 Jun 2023**	<10	<50	<100	<100	<50	<100	<100	0.001	<0.2	1.0	<0.1	<0.005	12	0.37	<0.001	0.002	0.004	0.53	<0.001	<0.00005	<0.001	0.011
SW302	**19 Jun 2023**	<10	<50	<100	<100	<50	<100	<100	<0.001	<0.2	0.8	<0.1	<0.005	18	0.41	<0.001	0.002	0.005	0.71	0.003	<0.00005	<0.001	0.014
SW303	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	0.007	<0.2	0.5	<0.1	<0.005	35	0.13	0.001	0.001	<0.001	0.26	<0.001	<0.00005	<0.001	0.009
SW303	**21 Jun 2023**	<10	<50	<100	<100	<50	10^A	10^A	0.002	<0.2	0.5	<0.1	<0.005	13	0.21	0.002	0.001	<0.001	0.25	<0.001	<0.00005	<0.001	0.003
SW304	**20 Jun 2023**	<10	160	<100	<100	160	110 mpn/100mL	110 mpn/100mL	0.009	<0.2	1.2	0.08	<0.005	120	1.3	0.001	0.003	0.004	9.8	0.002	<0.00005	<0.001	0.013
SW304	**20 Jun 2023**	<10	130	<100	<100	130	110 mpn/100mL	110 mpn/100mL	0.003	<0.2	1.0	0.06	<0.005	70	0.95	0.001	0.002	0.002	5.8	0.002	<0.00005	<0.001	0.006
SW305	**19 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.5	<0.1	<0.005	20	0.42	<0.001	0.002	<0.001	0.56	<0.001	<0.00005	<0.001	0.002
SW305	**19 Jun 2023**	<10	<50	<100	<100	<50	10^A	10^A	0.006	<0.2	0.5	<0.1	<0.005	12	0.15	<0.001	0.001	0.002	0.34	<0.001	<0.00005	<0.001	0.007
SW306	**19 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	0.003	<0.2	0.8	<0.1	<0.005	29	0.19	0.002	0.001	<0.001	0.38	<0.001	<0.00005	<0.001	0.004
SW306	**19 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.6	<0.1	<0.005	25	0.23	0.002	0.001	<0.001	0.47	<0.001	<0.00005	<0.001	0.002
SW307	**20 Jun 2023**	<10	110	110	<100	220	110 mpn/100mL	110 mpn/100mL	0.001	<0.2	1.7	<0.05	0.008	80	8.3	0.002	0.011	0.005	3.4	0.006	<0.00005	<0.001	0.021
SW307	**21 Jun 2023**	<10	68	170	<100	240	490 mpn/100mL	490 mpn/100mL	0.002	<0.2	1.6	<0.05	0.009	60	6.7	0.002	0.009	0.004	2.9	0.005	<0.00005	<0.001	0.016
SW308	**19 Jun 2023**	<10	<50	<100	<100	<50	18 mpn/100mL	18 mpn/100mL	0.05	<0.2	0.5	0.06	<0.005	90	5.1	0.003	0.006	0.004	5.2	0.007	<0.00005	<0.001	0.013
SW308	**19 Jun 2023**	<10	<50	210	<100	210	20 mpn/100mL	20 mpn/100mL	0.069	<0.2	0.9	0.1	<0.005	2,000	10	0.005	0.013	0.012	14	0.014	<0.00005	<0.001	0.022
Statistics																							
Number of Results		**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**
Number of Detects		**0**	**4**	**3**	**0**	**5**	**0**	**0**	**12**	**0**	**14**	**4**	**2**	**14**	**14**	**10**	**14**	**9**	**14**	**7**	**0**	**0**	**14**
Minimum Concentration		**<10**	**<50**	**<100**	**<100**	**<50**	**<10**	**<10**	**0.001**	**<0.2**	**0.5**	**<0.05**	**<0.005**	**12**	**0.13**	**0.001**	**0.001**	**<0.001**	**0.25**	**<0.001**	**<0.00005**	**<0.001**	**0.002**
Maximum Concentration		**<10**	**160**	**210**	**<100**	**240**	**<100**	**<100**	**0.069**	**<0.2**	**1.7**	**0.1**	**0.009**	**2,000**	**10**	**0.005**	**0.013**	**0.012**	**14**	**0.014**	**<0.00005**	**<0.001**	**0.022**
Average Concentration *		**10**	**69**	**114**	**100**	**101**	**40**	**40**	**0.011**	**0.2**	**0.86**	**0.086**	**0.0055**	**185**	**2.5**	**0.0018**	**0.0039**	**0.0034**	**3.2**	**0.0033**	**0.00005**	**0.001**	**0.01**
Median Concentration *		**10**	**50**	**100**	**100**	**50**	**10**	**10**	**0.0025**	**0.2**	**0.8**	**0.1**	**0.005**	**32**	**0.415**	**0.0015**	**0.002**	**0.003**	**0.635**	**0.0015**	**0.00005**	**0.001**	**0.01**

* A Non Detect Multiplier of 1 has been applied.

		Organochlorine Pesticides																	
		4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Date**																			
SW302	**19 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW302	**19 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW303	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW303	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW304	**20 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW304	**20 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**19 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**19 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**19 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**19 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW307	**20 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW307	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW308	**19 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW308	**19 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Statistics																				
Number of Results		**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Maximum Concentration		**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Average Concentration *		**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**
Median Concentration *		**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

* A Non Detect Multiplier of 1 has been applied.

		PAH																
		Benzo(b+j+k)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
		mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL		0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0005	0.0001
Location Code	**Date**																	
SW302	**19 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW302	**19 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW303	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW303	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW304	**20 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW304	**20 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW305	**19 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW305	**19 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW306	**19 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW306	**19 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW307	**20 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW307	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW308	**19 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW308	**19 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
Statistics																		
Number of Results		**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Maximum Concentration		**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Average Concentration *		**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.0005**	**0.0001**
Median Concentration *		**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.0005**	**0.0001**

* A Non Detect Multiplier of 1 has been applied.

		PCBs							TPH				
		Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Date**												
SW302	**19 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW302	**19 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW303	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW303	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW304	**20 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	180	<100	180
SW304	**20 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	130	<100	130
SW305	**19 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW305	**19 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW306	**19 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW306	**19 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW307	**20 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	170	<100	170
SW307	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	180	<100	180
SW308	**19 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW308	**19 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	130	100	230
Statistics													
Number of Results		**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**1**	**5**
Minimum Concentration		**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**100**	**<50**
Maximum Concentration		**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**180**	**100**	**230**
Average Concentration *		**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**121**	**100**	**96**
Median Concentration *		**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**100**	**100**	**50**

* A Non Detect Multiplier of 1 has been applied.

Table 45: Estuary surface water - laboratory data event 7

		TRH					Biological			Halogenated Benzenes	Inorganics				Metals								
		C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)	Aluminium	Arsenic	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
		µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL		10	50	100	100	50	1	1	0.001	0.2	0.1	0.05	0.005	5	0.01	0.001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Date**																						
SW201	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.01	12	0.03	0.001	<0.001	<0.001	0.053	<0.001	<0.00005	<0.001	<0.001
SW201	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.01	13	0.03	<0.001	<0.001	<0.001	0.036	<0.001	<0.00005	<0.001	0.002
SW202	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.1	<0.1	0.009	6	0.05	<0.001	<0.001	<0.001	0.06	<0.001	<0.00005	<0.001	0.002
SW202	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	0.01	<5	0.02	<0.001	<0.001	<0.001	0.037	<0.001	<0.00005	<0.001	0.001
SW203	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	<0.005	<5	0.03	<0.001	<0.001	<0.001	0.04	<0.001	<0.00005	<0.001	0.002
SW203	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	<0.1	<0.1	<0.005	6	0.04	<0.001	<0.001	<0.001	0.04	<0.001	<0.00005	<0.001	0.002
SW205	**20 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.008	10	0.03	<0.001	<0.001	<0.001	0.048	<0.001	<0.00005	<0.001	0.001
SW205	**20 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.1	<0.1	0.009	22	0.37	0.001	<0.001	<0.001	0.7	<0.001	<0.00005	<0.001	0.003
SW206	**20 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	0.008	<0.2	0.1	<0.1	0.007	22	0.22	0.001	<0.001	<0.001	0.39	<0.001	<0.00005	<0.001	0.002
SW206	**20 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.007	20	0.09	<0.001	<0.001	<0.001	0.17	<0.001	<0.00005	<0.001	0.005
SW207	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.009	14	0.02	<0.001	<0.001	<0.001	0.04	<0.001	<0.00005	<0.001	0.001
SW207	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.007	10	0.03	0.001	<0.001	<0.001	0.045	<0.001	<0.00005	<0.001	0.003
SW208	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	0.006	<5	0.02	0.001	<0.001	<0.001	0.034	<0.001	<0.00005	<0.001	0.002
SW208	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	0.007	<5	0.05	0.001	<0.001	<0.001	0.054	<0.001	<0.00005	<0.001	0.003
SW209	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	0.007	12	0.03	<0.001	<0.001	<0.001	0.058	<0.001	<0.00005	<0.001	0.002
SW209	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	0.007	9	0.04	0.001	<0.001	<0.001	0.051	<0.001	<0.00005	<0.001	0.002
SW210	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.1	<0.1	0.005	10	0.03	0.001	<0.001	<0.001	0.064	<0.001	<0.00005	<0.001	0.002
SW210	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	<0.1	<0.1	0.006	11	0.08	0.001	<0.001	<0.001	0.14	<0.001	<0.00005	<0.001	<0.001
SW211	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	<0.005	11	0.11	0.001	0.001	<0.001	0.17	<0.001	<0.00005	<0.001	0.003
SW211	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	0.005	13	0.07	0.001	0.001	<0.001	0.14	<0.001	<0.00005	<0.001	0.003
SW212	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	0.006	12	0.03	0.001	0.001	<0.001	0.054	<0.001	<0.00005	<0.001	0.045
SW212	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	>0.1	0.006	8	0.03	0.001	0.001	<0.001	0.083	<0.001	<0.00005	<0.001	0.002
SW213	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	<0.005	8	0.04	0.001	0.001	<0.001	0.076	<0.001	<0.00005	<0.001	0.004
SW213	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	0.006	8	0.04	0.001	0.001	<0.001	0.084	<0.001	<0.00005	<0.001	0.002
SW214	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	<0.005	12	0.06	0.001	0.001	<0.001	0.12	<0.001	<0.00005	<0.001	0.002
SW214	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	<0.005	20	0.05	0.001	0.002	<0.001	0.16	<0.001	<0.00005	<0.001	0.002
SW215	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	<0.1	<0.1	0.008	9	0.03	0.001	0.001	<0.001	0.044	<0.001	<0.00005	<0.001	0.002
SW215	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	0.007	10	0.02	0.001	0.001	<0.001	0.054	<0.001	<0.00005	<0.001	0.002
SW216	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.007	10	0.02	0.001	0.001	<0.001	0.039	<0.001	<0.00005	<0.001	0.004
SW216	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.006	6	0.03	0.002	0.002	<0.001	0.056	<0.001	<0.00005	<0.001	0.002
SW217	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.007	10	0.03	0.002	0.001	<0.001	0.048	<0.001	<0.00005	<0.001	0.002
SW217	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	0.008	8	0.02	0.002	0.001	<0.001	0.049	<0.001	<0.00005	<0.001	<0.001

Statistics

Number of Results		**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**7**	**0**	**15**	**1**	**26**	**28**	**32**	**23**	**14**	**0**	**32**	**0**	**0**	**0**	**29**
Minimum Concentration		**<10**	**<50**	**<100**	**<100**	**<50**	**<10**	**<10**	**0.001**	**<0.2**	**0.1**	**>0.1**	**0.005**	**<5**	**0.02**	**0.001**	**0.001**	**<0.001**	**0.034**	**<0.001**	**<0.00005**	**<0.001**	**0.001**
Maximum Concentration		**<10**	**<50**	**<100**	**<100**	**<50**	**<10**	**<10**	**0.008**	**<0.2**	**0.1**	**>0.1**	**0.01**	**22**	**0.37**	**0.002**	**0.002**	**<0.001**	**0.7**	**<0.001**	**<0.00005**	**<0.001**	**0.045**
Average Concentration *		**10**	**50**	**100**	**100**	**50**	**10**	**10**	**0.0013**	**0.2**	**0.1**	**0.1**	**0.0069**	**11**	**0.056**	**0.0011**	**0.0011**	**0.001**	**0.1**	**0.001**	**0.00005**	**0.001**	**0.0035**
Median Concentration *		**10**	**50**	**100**	**100**	**50**	**10**	**10**	**0.001**	**0.2**	**0.1**	**0.1**	**0.007**	**10**	**0.03**	**0.001**	**0.001**	**0.001**	**0.054**	**0.001**	**0.00005**	**0.001**	**0.002**

* A Non Detect Multiplier of 1 has been applied.

		Organochlorine Pesticides																	
		4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Date**																			
SW201	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW201	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**20 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**20 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**20 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**20 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW212	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW212	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW215	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW215	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Statistics

Number of Results	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Maximum Concentration	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Average Concentration *	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**
Median Concentration *	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

* A Non Detect Multiplier of 1 has been applied.

		PAH																
		Benzo(b+j+k)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
		mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL		0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0005	0.0001
Location Code	**Date**																	
SW201	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW201	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW202	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW202	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW203	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW203	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW205	**20 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW205	**20 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW206	**20 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW206	**20 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW207	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW207	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW208	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW208	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW209	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW209	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW210	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW210	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW211	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW211	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW212	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW212	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW213	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW213	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW214	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW214	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW215	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW215	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW216	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW216	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW217	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW217	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001

Statistics

Number of Results		**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Maximum Concentration		**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Average Concentration *		**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.0005**	**0.0001**
Median Concentration *		**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.0005**	**0.0001**

* A Non Detect Multiplier of 1 has been applied.

		PCBs							TPH				
		Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Date**												
SW201	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW201	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW203	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW203	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	**20 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	**20 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	**20 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	**20 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW212	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW212	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW215	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW215	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	**21 Jun 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50

Statistics

Number of Results	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**	**32**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Maximum Concentration	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Average Concentration *	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**100**	**100**	**50**
Median Concentration *	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**100**	**100**	**50**

* A Non Detect Multiplier of 1 has been applied.

Table 46: Surface water - water quality data event 7

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (% Sat)	EC (uS/cm)	Turbidity (ntu)
301						
302	10.6	6.61	153.1	82.0	265.7	3.87
303	10.0	8.20	94.0	83.1	42201	17.77
304	8.9	6.70	96.7	78.9	156.0	72.42
305	9.3	7.52	248.9	79.1	39768	0.81
306	11.9	8.52	217.9	78.9	41465	6.21
307	9.7	7.23	111.3	80.6	203.6	222.29
308	13.1	6.00	93.0	79.7	929.0	400.16

Table 47: Surface water – water quality data event 7 statistical summary

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (% Sat)	EC (uS/cm)	Turbidity (ntu)
min	8.9	6.00	93.0	78.9	156	0.81
max	13.1	8.52	248.9	83.1	42201	400.16
mean	10.5	7.25	145.0	80.3	17855.5	103.36
median	10.0	7.23	111.3	79.7	929	17.77
range	4.2	2.52	155.9	4.2	42045	399.35

Table 48: Estuary surface water – water quality data event 7

Sampling Site ID	Shallow / Deep[1]	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (% Sat)	EC (uS/cm)	Turbidity (ntu)
201a	S	10.9	8.17	67.0	84.3	48226	0.77
201b	D	10.8	8.15	69.9	84.8	48274	0.84
202a	S	11.3	8.20	76.8	84.5	48548	0.77
202b	D	11.3	8.20	79.9	85.9	48603	0.72
203		11.6	8.26	73.3	85.0	48606	14.49
204							
205		12.3	7.93	111.6	76.5	47633	14.81
206		11.8	7.69	145.2	78.4	47876	2.18
207		11.5	8.03	75.6	84.7	51196	8.91
208		12.9	8.14	87.9	85.1	47833	12.98
209		11.1	8.09	94.4	85.1	50734	4.38
210		10.8	8.13	95.6	84.8	49093	2.21
211		9.3	8.16	78.3	84.3	49343	3.92
212		11.5	8.14	78.0	85.2	48628	1.53
213		10.9	8.14	99.6	84.8	49047	1.41
214		9.6	8.13	101.9	84.7	49193	3.19
215		13.0	8.16	73.6	85.9	48287	1.79
216		12.9	8.00	185.2	84.7	47803	0.78
217		15.0	8.07	163.0	85.2	52286	0.38

[1]Shallow (S) indicates water quality taken from top of water column. Deep (D) indicates water quality taken from below of the water column.

Table 49: Estuary surface water – water quality data event 7 statistical summary

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (% Sat)	EC (uS/cm)	Turbidity (ntu)
min	9.3	7.69	67.0	76.5	47633	0.38
max	15.0	8.26	185.2	85.9	52286	14.81
mean	11.6	8.10	97.6	84.1	48956	4.23
median	11.4	8.14	83.9	84.8	48604	1.99
range	5.7	0.57	118.2	9.4	4653	14.43

Appendix P – Event 7 Documents

Lab Report Event 7

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

CERTIFICATE OF ANALYSIS 326273

Client Details

Client	Martens & Associates Pty Ltd
Attention	Bryson Monaghan
Address	Suite 201, 20 George St, Hornsby, NSW, 2077

Sample Details

Your Reference	**P1203365 – Water Sampling, West Culburra, NSW**
Number of Samples	61 Water
Date samples received	22/06/2023
Date completed instructions received	22/06/2023

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	30/06/2023
Date of Issue	03/07/2023

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Accredited for compliance with ISO/IEC 17025 - Testing. **Tests not covered by NATA are denoted with ***

Results Approved By
Dragana Tomas, Senior Chemist
Greta Petzold, Operation Manager
Kyle Gavrily, Senior Chemist
Loren Bardwell, Development Chemist
Priya Samarawickrama, Senior Chemist

Authorised By
Nancy Zhang, Laboratory Manager

vTRH in Water (C6-C9) NEPM						
Our Reference		326273-8	326273-9	326273-10	326273-11	326273-12
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	114	113	112	116	122
Surrogate toluene-d8	%	112	111	111	112	119
Surrogate 4-BFB	%	104	104	104	105	109

vTRH in Water (C6-C9) NEPM						
Our Reference		326273-13	326273-14	326273-15	326273-16	326273-17
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW205 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	113	115	121	122	116
Surrogate toluene-d8	%	111	113	117	119	116
Surrogate 4-BFB	%	104	105	109	109	106

vTRH in Water (C6-C9) NEPM						
Our Reference		326273-18	326273-19	326273-20	326273-21	326273-22
Your Reference	UNITS	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	110	113	108	112	112
Surrogate toluene-d8	%	110	112	111	112	112
Surrogate 4-BFB	%	105	106	103	105	106

vTRH in Water (C6-C9) NEPM						
Our Reference		326273-23	326273-24	326273-25	326273-26	326273-27
Your Reference	UNITS	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	106	121	122	116	119
Surrogate toluene-d8	%	109	116	117	113	110
Surrogate 4-BFB	%	103	109	107	106	105

vTRH in Water (C6-C9) NEPM						
Our Reference		326273-28	326273-29	326273-30	326273-31	326273-32
Your Reference	UNITS	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	117	100	111	121	117
Surrogate toluene-d8	%	117	107	108	118	109
Surrogate 4-BFB	%	105	101	105	108	109

vTRH in Water (C6-C9) NEPM						
Our Reference		326273-33	326273-34	326273-35	326273-36	326273-37
Your Reference	UNITS	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	122	122	122	121	122
Surrogate toluene-d8	%	118	116	117	117	117
Surrogate 4-BFB	%	108	109	110	109	108

vTRH in Water (C6-C9) NEPM						
Our Reference		326273-38	326273-39	326273-40	326273-41	326273-42
Your Reference	UNITS	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	99	108	106	96	107
Surrogate toluene-d8	%	105	110	109	105	114
Surrogate 4-BFB	%	102	104	103	101	101

vTRH in Water (C6-C9) NEPM						
Our Reference		326273-43	326273-44	326273-45	326273-46	326273-47
Your Reference	UNITS	3365/SW302 W/1	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	93	106	106	120	120
Surrogate toluene-d8	%	106	110	109	119	121
Surrogate 4-BFB	%	99	102	103	107	106

vTRH in Water (C6-C9) NEPM						
Our Reference		326273-48	326273-49	326273-50	326273-51	326273-52
Your Reference	UNITS	3365/SW304 W/2	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	120	117	111	117	102
Surrogate toluene-d8	%	118	120	112	114	106
Surrogate 4-BFB	%	109	105	105	108	103

vTRH in Water (C6-C9) NEPM					
Our Reference		326273-53	326273-54	326273-55	326273-56
Your Reference	UNITS	3365/SW307 W/1	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	114	119	117	118
Surrogate toluene-d8	%	115	117	119	117
Surrogate 4-BFB	%	105	108	106	107

svTRH (C10-C40) in Water						
Our Reference		326273-8	326273-9	326273-10	326273-11	326273-12
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	24/06/2023	24/06/2023	24/06/2023	24/06/2023	24/06/2023
TRH C_{10} - C_{14}	µg/L	70	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	270	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	340	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	69	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	310	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	380	<50	<50	<50	<50
Surrogate o-Terphenyl	%	87	99	88	89	80

svTRH (C10-C40) in Water						
Our Reference		326273-13	326273-14	326273-15	326273-16	326273-17
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW205 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	24/06/2023	24/06/2023	24/06/2023	24/06/2023	24/06/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	84	91	88	83	96

svTRH (C10-C40) in Water						
Our Reference		326273-18	326273-19	326273-20	326273-21	326273-22
Your Reference	UNITS	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	24/06/2023	24/06/2023	29/06/2023	24/06/2023	24/06/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	116	80	78	82	73

svTRH (C10-C40) in Water						
Our Reference		326273-23	326273-24	326273-25	326273-26	326273-27
Your Reference	UNITS	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	24/06/2023	24/06/2023	24/06/2023	24/06/2023	24/06/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	90	89	74	87	87

svTRH (C10-C40) in Water						
Our Reference		326273-28	326273-29	326273-30	326273-31	326273-32
Your Reference	UNITS	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	24/06/2023	24/06/2023	24/06/2023	24/06/2023	24/06/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	88	89	90	79	88

svTRH (C10-C40) in Water						
Our Reference		326273-33	326273-34	326273-35	326273-36	326273-37
Your Reference	UNITS	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	24/06/2023	24/06/2023	24/06/2023	24/06/2023	24/06/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	85	80	80	80	84

svTRH (C10-C40) in Water						
Our Reference		326273-38	326273-39	326273-40	326273-41	326273-42
Your Reference	UNITS	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	24/06/2023	24/06/2023	24/06/2023	24/06/2023	25/06/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	79	87	89	84	91

svTRH (C10-C40) in Water						
Our Reference		326273-43	326273-44	326273-45	326273-46	326273-47
Your Reference	UNITS	3365/SW302 W/1	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	25/06/2023	25/06/2023	25/06/2023	25/06/2023	25/06/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	180
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	180
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	160
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	160
Surrogate o-Terphenyl	%	93	88	87	84	79

svTRH (C10-C40) in Water						
Our Reference		326273-48	326273-49	326273-50	326273-51	326273-52
Your Reference	UNITS	3365/SW304 W/2	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	25/06/2023	25/06/2023	25/06/2023	25/06/2023	25/06/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	130	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	130	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	130	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	130	<50	<50	<50	<50
Surrogate o-Terphenyl	%	81	94	101	75	92

svTRH (C10-C40) in Water					
Our Reference		326273-53	326273-54	326273-55	326273-56
Your Reference	UNITS	3365/SW307 W/1	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	25/06/2023	25/06/2023	25/06/2023	25/06/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	180	170	<100	130
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	100
Total +ve TRH (C10-C36)	µg/L	180	170	<50	230
TRH >C_{10} - C_{16}	µg/L	68	110	<50	<50
TRH >C_{16} - C_{34}	µg/L	170	110	<100	210
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	240	220	<50	210
Surrogate o-Terphenyl	%	76	67	67	76

PAHs in Water						
Our Reference		326273-8	326273-9	326273-10	326273-11	326273-12
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	88	105	96	98	84

PAHs in Water						
Our Reference		326273-13	326273-14	326273-15	326273-16	326273-17
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW205 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	94	98	94	84	92

PAHs in Water						
Our Reference		326273-18	326273-19	326273-20	326273-21	326273-22
Your Reference	UNITS	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	102	88	84	99	79

PAHs in Water						
Our Reference		326273-23	326273-24	326273-25	326273-26	326273-27
Your Reference	UNITS	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	113	94	84	100	94

PAHs in Water						
Our Reference		326273-28	326273-29	326273-30	326273-31	326273-32
Your Reference	UNITS	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	93	87	83	85	90

PAHs in Water						
Our Reference		326273-33	326273-34	326273-35	326273-36	326273-37
Your Reference	UNITS	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	91	86	112	122	123

PAHs in Water						
Our Reference		326273-38	326273-39	326273-40	326273-41	326273-42
Your Reference	UNITS	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	115	125	130	128	110

PAHs in Water						
Our Reference		326273-43	326273-44	326273-45	326273-46	326273-47
Your Reference	UNITS	3365/SW302 W/1	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	132	130	124	119	104

PAHs in Water						
Our Reference		326273-48	326273-49	326273-50	326273-51	326273-52
Your Reference	UNITS	3365/SW304 W/2	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	112	132	130	111	128

PAHs in Water					
Our Reference		326273-53	326273-54	326273-55	326273-56
Your Reference	UNITS	3365/SW307 W/1	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	98	92	96	103

Organochlorine Pesticides in Water						
Our Reference		326273-8	326273-9	326273-10	326273-11	326273-12
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	91	108	100	99	88

Organochlorine Pesticides in Water						
Our Reference		326273-13	326273-14	326273-15	326273-16	326273-17
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW205 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	97	100	95	86	93

Organochlorine Pesticides in Water						
Our Reference		326273-18	326273-19	326273-20	326273-21	326273-22
Your Reference	UNITS	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	104	92	86	100	82

Organochlorine Pesticides in Water						
Our Reference		326273-23	326273-24	326273-25	326273-26	326273-27
Your Reference	UNITS	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	117	95	87	102	96

Organochlorine Pesticides in Water						
Our Reference		326273-28	326273-29	326273-30	326273-31	326273-32
Your Reference	UNITS	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	96	91	85	87	93

Organochlorine Pesticides in Water						
Our Reference		326273-33	326273-34	326273-35	326273-36	326273-37
Your Reference	UNITS	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	94	84	117	120	120

Organochlorine Pesticides in Water						
Our Reference		326273-38	326273-39	326273-40	326273-41	326273-42
Your Reference	UNITS	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	110	122	127	121	127

Organochlorine Pesticides in Water						
Our Reference		326273-43	326273-44	326273-45	326273-46	326273-47
Your Reference	UNITS	3365/SW302 W/1	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	131	126	120	116	111

Organochlorine Pesticides in Water						
Our Reference		326273-48	326273-49	326273-50	326273-51	326273-52
Your Reference	UNITS	3365/SW304 W/2	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	117	126	126	107	125

Organochlorine Pesticides in Water					
Our Reference		326273-53	326273-54	326273-55	326273-56
Your Reference	UNITS	3365/SW307 W/1	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	107	94	93	100

PCBs in Water						
Our Reference		326273-8	326273-9	326273-10	326273-11	326273-12
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	91	108	100	99	88

PCBs in Water						
Our Reference		326273-13	326273-14	326273-15	326273-16	326273-17
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW205 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	97	100	95	86	93

PCBs in Water						
Our Reference		326273-18	326273-19	326273-20	326273-21	326273-22
Your Reference	UNITS	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	104	92	86	100	82

PCBs in Water						
Our Reference		326273-23	326273-24	326273-25	326273-26	326273-27
Your Reference	UNITS	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	117	95	87	102	96

PCBs in Water						
Our Reference		326273-28	326273-29	326273-30	326273-31	326273-32
Your Reference	UNITS	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	96	91	85	87	93

PCBs in Water						
Our Reference		326273-33	326273-34	326273-35	326273-36	326273-37
Your Reference	UNITS	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	94	84	117	120	120

PCBs in Water						
Our Reference		326273-38	326273-39	326273-40	326273-41	326273-42
Your Reference	UNITS	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	110	122	127	121	127

PCBs in Water						
Our Reference		326273-43	326273-44	326273-45	326273-46	326273-47
Your Reference	UNITS	3365/SW302 W/1	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	131	126	120	116	111

PCBs in Water						
Our Reference		326273-48	326273-49	326273-50	326273-51	326273-52
Your Reference	UNITS	3365/SW304 W/2	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023	26/06/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	117	126	126	107	125

PCBs in Water					
Our Reference		326273-53	326273-54	326273-55	326273-56
Your Reference	UNITS	3365/SW307 W/1	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water
Date extracted	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Date analysed	-	26/06/2023	26/06/2023	26/06/2023	26/06/2023
Aroclor 1016	µg/L	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2
Surrogate TCMX	%	107	94	93	100

All metals in water - total						
Our Reference		326273-8	326273-9	326273-10	326273-11	326273-12
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/06/2023	27/06/2023	27/06/2023	27/06/2023	27/06/2023
Date analysed	-	29/06/2023	29/06/2023	29/06/2023	29/06/2023	29/06/2023
Aluminium-Total	µg/L	360	360	170	30	30
Arsenic-Total	µg/L	<1	<1	<1	1	<1
Chromium-Total	µg/L	<1	<1	<1	<1	<1
Copper-Total	µg/L	<1	<1	2	<1	<1
Iron-Total	µg/L	1,300	200	280	53	36
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	9	10	10	<1	2

All metals in water - total						
Our Reference		326273-13	326273-14	326273-15	326273-16	326273-17
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW205 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/06/2023	27/06/2023	27/06/2023	27/06/2023	27/06/2023
Date analysed	-	29/06/2023	29/06/2023	29/06/2023	29/06/2023	29/06/2023
Aluminium-Total	µg/L	50	20	30	40	30
Arsenic-Total	µg/L	<1	<1	<1	<1	<1
Chromium-Total	µg/L	<1	<1	<1	<1	<1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	60	37	40	40	48
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	2	1	2	2	1

All metals in water - total						
Our Reference		326273-18	326273-19	326273-20	326273-21	326273-22
Your Reference	UNITS	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/06/2023	27/06/2023	27/06/2023	27/06/2023	27/06/2023
Date analysed	-	29/06/2023	29/06/2023	29/06/2023	29/06/2023	29/06/2023
Aluminium-Total	µg/L	370	220	90	20	30
Arsenic-Total	µg/L	1	1	<1	<1	1
Chromium-Total	µg/L	<1	<1	<1	<1	<1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	700	390	170	40	45
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	3	2	5	1	3

All metals in water - total						
Our Reference		326273-23	326273-24	326273-25	326273-26	326273-27
Your Reference	UNITS	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/06/2023	27/06/2023	27/06/2023	27/06/2023	27/06/2023
Date analysed	-	29/06/2023	29/06/2023	29/06/2023	29/06/2023	29/06/2023
Aluminium-Total	µg/L	20	50	30	40	30
Arsenic-Total	µg/L	1	1	<1	1	1
Chromium-Total	µg/L	<1	<1	<1	<1	<1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	34	54	58	51	64
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	2	3	2	2	2

All metals in water - total						
Our Reference		326273-28	326273-29	326273-30	326273-31	326273-32
Your Reference	UNITS	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/06/2023	27/06/2023	27/06/2023	27/06/2023	27/06/2023
Date analysed	-	29/06/2023	29/06/2023	29/06/2023	29/06/2023	29/06/2023
Aluminium-Total	µg/L	80	110	70	30	30
Arsenic-Total	µg/L	1	1	1	1	1
Chromium-Total	µg/L	<1	1	1	1	1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	140	170	140	54	83
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	<1	3	3	45	2

All metals in water - total						
Our Reference		326273-33	326273-34	326273-35	326273-36	326273-37
Your Reference	UNITS	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/06/2023	27/06/2023	27/06/2023	27/06/2023	27/06/2023
Date analysed	-	29/06/2023	29/06/2023	29/06/2023	29/06/2023	29/06/2023
Aluminium-Total	µg/L	40	40	60	50	30
Arsenic-Total	µg/L	1	1	1	1	1
Chromium-Total	µg/L	1	1	1	2	1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	76	84	120	160	44
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	4	2	2	2	2

All metals in water - total						
Our Reference		326273-38	326273-39	326273-40	326273-41	326273-42
Your Reference	UNITS	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/06/2023	27/06/2023	27/06/2023	27/06/2023	27/06/2023
Date analysed	-	29/06/2023	29/06/2023	29/06/2023	29/06/2023	29/06/2023
Aluminium-Total	µg/L	20	20	30	30	20
Arsenic-Total	µg/L	1	1	2	2	2
Chromium-Total	µg/L	1	1	2	1	1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	54	39	56	48	49
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	2	4	2	2	<1

All metals in water - total						
Our Reference		326273-43	326273-44	326273-45	326273-46	326273-47
Your Reference	UNITS	3365/SW302 W/1	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/06/2023	27/06/2023	27/06/2023	27/06/2023	27/06/2023
Date analysed	-	29/06/2023	29/06/2023	29/06/2023	29/06/2023	29/06/2023
Aluminium-Total	µg/L	370	410	130	210	1,300
Arsenic-Total	µg/L	<1	<1	1	2	1
Chromium-Total	µg/L	2	2	1	1	3
Copper-Total	µg/L	4	5	<1	<1	4
Iron-Total	µg/L	530	710	260	250	9,800
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	3	<1	<1	2
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	11	14	9	3	13

All metals in water - total						
Our Reference		326273-48	326273-49	326273-50	326273-51	326273-52
Your Reference	UNITS	3365/SW304 W/2	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/06/2023	27/06/2023	27/06/2023	27/06/2023	27/06/2023
Date analysed	-	29/06/2023	29/06/2023	29/06/2023	29/06/2023	29/06/2023
Aluminium-Total	µg/L	950	420	150	190	230
Arsenic-Total	µg/L	1	<1	<1	2	2
Chromium-Total	µg/L	2	2	1	1	1
Copper-Total	µg/L	2	<1	2	<1	<1
Iron-Total	µg/L	5,800	560	340	380	470
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	2	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	6	2	7	4	2

All metals in water - total						
Our Reference		326273-53	326273-54	326273-55	326273-56	326273-57
Your Reference	UNITS	3365/SW307 W/1	3365/SW307 W/2	3365/SW308 W/1	3365/SW308 W/2	3365/DUP01
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/06/2023	27/06/2023	27/06/2023	27/06/2023	27/06/2023
Date analysed	-	29/06/2023	29/06/2023	29/06/2023	29/06/2023	29/06/2023
Aluminium-Total	µg/L	6,700	8,300	5,100	10,000	4,200
Arsenic-Total	µg/L	2	2	3	5	3
Chromium-Total	µg/L	9	11	6	13	5
Copper-Total	µg/L	4	5	4	12	6
Iron-Total	µg/L	2,900	3,400	5,200	14,000	4,600
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	5	6	7	14	7
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	16	21	13	22	11

All metals in water - total				
Our Reference		326273-58	326273-59	326273-60
Your Reference	UNITS	3365/DUP02	3365/DUP03	3365/DUP04
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water
Date prepared	-	27/06/2023	27/06/2023	27/06/2023
Date analysed	-	29/06/2023	29/06/2023	29/06/2023
Aluminium-Total	µg/L	50	60	410
Arsenic-Total	µg/L	1	1	<1
Chromium-Total	µg/L	<1	1	<1
Copper-Total	µg/L	<1	<1	2
Iron-Total	µg/L	81	120	220
Mercury-Total	µg/L	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1
Zinc-Total	µg/L	<1	4	11

Metals in Waters - Acid extractable						
Our Reference		326273-1	326273-2	326273-3	326273-4	326273-5
Your Reference	UNITS	3365/GW01	3365/GW02	3365/GW03	3365/GW04	3365/GW05
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/06/2023	27/06/2023	27/06/2023	27/06/2023	27/06/2023
Date analysed	-	01/07/2023	01/07/2023	01/07/2023	01/07/2023	01/07/2023
Phosphorus - Total	mg/L	0.1	0.2	0.2	0.3	<0.05

Metals in Waters - Acid extractable						
Our Reference		326273-6	326273-7	326273-8	326273-9	326273-10
Your Reference	UNITS	3365/GW06	3365/GW07	3365/SW101	3365/SW102	3365/SW103
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/06/2023	27/06/2023	27/06/2023	27/06/2023	27/06/2023
Date analysed	-	01/07/2023	01/07/2023	01/07/2023	01/07/2023	01/07/2023
Phosphorus - Total	mg/L	0.1	<0.05	0.08	0.08	0.09

Metals in Waters - Acid extractable						
Our Reference		326273-11	326273-12	326273-13	326273-14	326273-15
Your Reference	UNITS	3365/SW201 W/1	3365/SW201 W/2	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/06/2023	27/06/2023	27/06/2023	27/06/2023	27/06/2023
Date analysed	-	01/07/2023	01/07/2023	01/07/2023	01/07/2023	01/07/2023
Phosphorus - Total	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1

Metals in Waters - Acid extractable						
Our Reference		326273-16	326273-17	326273-18	326273-19	326273-20
Your Reference	UNITS	3365/SW203 W/2	3365/SW205 W/1	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/06/2023	27/06/2023	27/06/2023	27/06/2023	27/06/2023
Date analysed	-	01/07/2023	01/07/2023	01/07/2023	01/07/2023	01/07/2023
Phosphorus - Total	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1

Metals in Waters - Acid extractable						
Our Reference		326273-21	326273-22	326273-23	326273-24	326273-25
Your Reference	UNITS	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/06/2023	27/06/2023	27/06/2023	27/06/2023	27/06/2023
Date analysed	-	01/07/2023	01/07/2023	01/07/2023	01/07/2023	01/07/2023
Phosphorus - Total	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1

Metals in Waters - Acid extractable						
Our Reference		326273-26	326273-27	326273-28	326273-29	326273-30
Your Reference	UNITS	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/06/2023	27/06/2023	27/06/2023	27/06/2023	27/06/2023
Date analysed	-	01/07/2023	01/07/2023	01/07/2023	01/07/2023	01/07/2023
Phosphorus - Total	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1

Metals in Waters - Acid extractable						
Our Reference		326273-31	326273-32	326273-33	326273-34	326273-35
Your Reference	UNITS	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/06/2023	27/06/2023	27/06/2023	27/06/2023	27/06/2023
Date analysed	-	01/07/2023	01/07/2023	01/07/2023	01/07/2023	01/07/2023
Phosphorus - Total	mg/L	<0.1	>0.1	<0.1	<0.1	<0.1

Metals in Waters - Acid extractable						
Our Reference		326273-36	326273-37	326273-38	326273-39	326273-40
Your Reference	UNITS	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/06/2023	27/06/2023	27/06/2023	27/06/2023	27/06/2023
Date analysed	-	01/07/2023	01/07/2023	01/07/2023	01/07/2023	01/07/2023
Phosphorus - Total	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1

Metals in Waters - Acid extractable						
Our Reference		326273-41	326273-42	326273-43	326273-44	326273-45
Your Reference	UNITS	3365/SW217 W/1	3365/SW217 W/2	3365/SW302 W/1	3365/SW302 W/2	3365/SW303 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/06/2023	27/06/2023	27/06/2023	27/06/2023	27/06/2023
Date analysed	-	01/07/2023	01/07/2023	01/07/2023	01/07/2023	01/07/2023
Phosphorus - Total	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1

Metals in Waters - Acid extractable						
Our Reference		326273-46	326273-47	326273-48	326273-49	326273-50
Your Reference	UNITS	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2	3365/SW305 W/1	3365/SW305 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/06/2023	27/06/2023	27/06/2023	27/06/2023	27/06/2023
Date analysed	-	01/07/2023	01/07/2023	01/07/2023	01/07/2023	01/07/2023
Phosphorus - Total	mg/L	<0.1	0.08	0.06	<0.1	<0.1

Metals in Waters - Acid extractable						
Our Reference		326273-51	326273-52	326273-53	326273-54	326273-55
Your Reference	UNITS	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1	3365/SW307 W/2	3365/SW308 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	27/06/2023	27/06/2023	27/06/2023	27/06/2023	27/06/2023
Date analysed	-	01/07/2023	01/07/2023	01/07/2023	01/07/2023	01/07/2023
Phosphorus - Total	mg/L	<0.1	<0.1	<0.05	<0.05	0.06

Metals in Waters - Acid extractable		
Our Reference		326273-56
Your Reference	UNITS	3365/SW308 W/2
Date Sampled		19/06/23-21/09/23
Type of sample		Water
Date prepared	-	27/06/2023
Date analysed	-	01/07/2023
Phosphorus - Total	mg/L	0.1

Miscellaneous Inorganics						
Our Reference		326273-1	326273-2	326273-3	326273-4	326273-5
Your Reference	UNITS	3365/GW01	3365/GW02	3365/GW03	3365/GW04	3365/GW05
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023
Date analysed	-	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023
Total Nitrogen in water	mg/L	<0.1	<0.1	<0.1	<0.1	0.4
Phosphate as P in water	mg/L	<0.005	0.15	<0.005	0.03	<0.005

Miscellaneous Inorganics						
Our Reference		326273-6	326273-7	326273-8	326273-9	326273-10
Your Reference	UNITS	3365/GW06	3365/GW07	3365/SW101	3365/SW102	3365/SW103
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023
Date analysed	-	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023
Total Suspended Solids	mg/L	[NA]	[NA]	27	8	25
Total Nitrogen in water	mg/L	<0.1	<0.1	8.7	0.7	0.4
Phosphate as P in water	mg/L	0.04	<0.005	0.01	0.04	<0.005
Chlorophyll a	mg/m^3	[NA]	[NA]	<1	2	10

Miscellaneous Inorganics						
Our Reference		326273-11	326273-12	326273-13	326273-14	326273-15
Your Reference	UNITS	3365/SW201 W/1	3365/SW201 W/2	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023
Date analysed	-	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023
Total Suspended Solids	mg/L	12	13	6	<5	<5
Total Nitrogen in water	mg/L	0.1	0.1	0.1	<0.1	0.1
Phosphate as P in water	mg/L	0.01	0.01	0.009	0.01	<0.005
Chlorophyll a	mg/m^3	<1	<1	2	<1	<1

Miscellaneous Inorganics						
Our Reference		326273-16	326273-17	326273-18	326273-19	326273-20
Your Reference	UNITS	3365/SW203 W/2	3365/SW205 W/1	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023
Date analysed	-	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023
Total Suspended Solids	mg/L	6	10	22	22	20
Total Nitrogen in water	mg/L	<0.1	0.1	0.1	0.1	0.1
Phosphate as P in water	mg/L	<0.005	0.008	0.009	0.007	0.007
Chlorophyll a	mg/m^3	1	<1	2	8	<1

Miscellaneous Inorganics						
Our Reference		326273-21	326273-22	326273-23	326273-24	326273-25
Your Reference	UNITS	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023
Date analysed	-	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023
Total Suspended Solids	mg/L	14	10	<5	<5	12
Total Nitrogen in water	mg/L	0.1	0.1	<0.1	<0.1	<0.1
Phosphate as P in water	mg/L	0.009	0.007	0.006	0.007	0.007
Chlorophyll a	mg/m^3	<1	<1	<1	<1	<1

Miscellaneous Inorganics						
Our Reference		326273-26	326273-27	326273-28	326273-29	326273-30
Your Reference	UNITS	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023
Date analysed	-	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023
Total Suspended Solids	mg/L	9	10	11	11	13
Total Nitrogen in water	mg/L	<0.1	0.1	<0.1	<0.1	<0.1
Phosphate as P in water	mg/L	0.007	0.005	0.006	<0.005	0.005
Chlorophyll a	mg/m^3	<1	2	2	<1	<1

Miscellaneous Inorganics						
Our Reference		326273-31	326273-32	326273-33	326273-34	326273-35
Your Reference	UNITS	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023
Date analysed	-	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023
Total Suspended Solids	mg/L	12	8	8	8	12
Total Nitrogen in water	mg/L	<0.1	<0.1	0.1	<0.1	<0.1
Phosphate as P in water	mg/L	0.006	0.006	<0.005	0.006	<0.005
Chlorophyll a	mg/m^3	<1	<1	<1	<1	<1

Miscellaneous Inorganics						
Our Reference		326273-36	326273-37	326273-38	326273-39	326273-40
Your Reference	UNITS	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023
Date analysed	-	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023
Total Suspended Solids	mg/L	20	9	10	10	6
Total Nitrogen in water	mg/L	<0.1	<0.1	<0.1	0.1	0.1
Phosphate as P in water	mg/L	<0.005	0.008	0.007	0.007	0.006
Chlorophyll a	mg/m^3	<1	1	<1	<1	<1

Miscellaneous Inorganics						
Our Reference		326273-41	326273-42	326273-43	326273-44	326273-45
Your Reference	UNITS	3365/SW217 W/1	3365/SW217 W/2	3365/SW302 W/1	3365/SW302 W/2	3365/SW303 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023
Date analysed	-	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023
Total Suspended Solids	mg/L	10	8	12	18	35
Total Nitrogen in water	mg/L	0.1	<0.1	1.0	0.8	0.5
Phosphate as P in water	mg/L	0.007	0.008	<0.005	<0.005	<0.005
Chlorophyll a	mg/m^3	<1	<1	1	<1	7

Miscellaneous Inorganics						
Our Reference		326273-46	326273-47	326273-48	326273-49	326273-50
Your Reference	UNITS	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2	3365/SW305 W/1	3365/SW305 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023
Date analysed	-	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023
Total Suspended Solids	mg/L	13	120	70	20	12
Total Nitrogen in water	mg/L	0.5	1.2	1.0	0.5	0.5
Phosphate as P in water	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorophyll a	mg/m^3	2	9	3	1	6

Miscellaneous Inorganics						
Our Reference		326273-51	326273-52	326273-53	326273-54	326273-55
Your Reference	UNITS	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1	3365/SW307 W/2	3365/SW308 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023
Date analysed	-	22/06/2023	22/06/2023	22/06/2023	22/06/2023	22/06/2023
Total Suspended Solids	mg/L	29	25	60	80	90
Total Nitrogen in water	mg/L	0.8	0.6	1.6	1.7	0.5
Phosphate as P in water	mg/L	<0.005	<0.005	0.009	0.008	<0.005
Chlorophyll a	mg/m^3	3	<1	2	1	50

Miscellaneous Inorganics			
Our Reference		326273-56	326273-61
Your Reference	UNITS	3365/SW308 W/2	3365/GW DUP01
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water
Date prepared	-	22/06/2023	22/06/2023
Date analysed	-	22/06/2023	22/06/2023
Total Suspended Solids	mg/L	2,000	[NA]
Total Nitrogen in water	mg/L	0.9	[NA]
Phosphate as P in water	mg/L	<0.005	[NA]
Chlorophyll a	mg/m^3	69	[NA]
pH	pH Units	[NA]	3.7
Electrical Conductivity	µS/cm	[NA]	5,700

Microbiologocal Testing						
Our Reference		326273-1	326273-2	326273-3	326273-4	326273-5
Your Reference	UNITS	3365/GW01	3365/GW02	3365/GW03	3365/GW04	3365/GW05
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
Faecal Coliforms	cfu/100mL	<10	<10	<10	<10	<10

Microbiologocal Testing						
Our Reference		326273-6	326273-7	326273-8	326273-9	326273-10
Your Reference	UNITS	3365/GW06	3365/GW07	3365/SW101	3365/SW102	3365/SW103
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
E. coli	cfu/100mL	[NA]	[NA]	<18 mpn/100mL	<10	<10
Faecal Coliforms	cfu/100mL	<100	<10	<18 mpn/100mL	<10	<10

Microbiologocal Testing						
Our Reference		326273-11	326273-12	326273-13	326273-14	326273-15
Your Reference	UNITS	3365/SW201 W/1	3365/SW201 W/2	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
E. coli	cfu/100mL	<10	<10	<10	<10	<10
Faecal Coliforms	cfu/100mL	<10	<10	<10	<10	<10

Microbiologocal Testing						
Our Reference		326273-16	326273-17	326273-18	326273-19	326273-20
Your Reference	UNITS	3365/SW203 W/2	3365/SW205 W/1	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
E. coli	cfu/100mL	<10	<10	<10	<10	<10
Faecal Coliforms	cfu/100mL	<10	<10	<10	<10	<10

Microbiologocal Testing						
Our Reference		326273-21	326273-22	326273-23	326273-24	326273-25
Your Reference	UNITS	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
E. coli	cfu/100mL	<10	<10	<10	<10	<10
Faecal Coliforms	cfu/100mL	<10	<10	<10	<10	<10

Microbiologocal Testing						
Our Reference		326273-26	326273-27	326273-28	326273-29	326273-30
Your Reference	UNITS	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
E. coli	cfu/100mL	<10	<10	<10	<10	<10
Faecal Coliforms	cfu/100mL	<10	<10	<10	<10	<10

Microbiologocal Testing						
Our Reference		326273-31	326273-32	326273-33	326273-34	326273-35
Your Reference	UNITS	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
E. coli	cfu/100mL	<10	<10	<10	<10	<10
Faecal Coliforms	cfu/100mL	<10	<10	<10	<10	<10

Microbiologocal Testing						
Our Reference		326273-36	326273-37	326273-38	326273-39	326273-40
Your Reference	UNITS	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
E. coli	cfu/100mL	<10	<10	<10	<10	<10
Faecal Coliforms	cfu/100mL	<10	<10	<10	<10	<10

Microbiologocal Testing						
Our Reference		326273-41	326273-42	326273-43	326273-44	326273-45
Your Reference	UNITS	3365/SW217 W/1	3365/SW217 W/2	3365/SW302 W/1	3365/SW302 W/2	3365/SW303 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
E. coli	cfu/100mL	<10	<10	<100	<100	<10
Faecal Coliforms	cfu/100mL	<10	<10	<100	<100	<10

Microbiologocal Testing						
Our Reference		326273-46	326273-47	326273-48	326273-49	326273-50
Your Reference	UNITS	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2	3365/SW305 W/1	3365/SW305 W/2
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
E. coli	cfu/100mL	10^A	110 mpn/100mL	110 mpn/100mL	<10	10^A
Faecal Coliforms	cfu/100mL	10^A	110 mpn/100mL	110 mpn/100mL	<10	10^A

Microbiologocal Testing						
Our Reference		326273-51	326273-52	326273-53	326273-54	326273-55
Your Reference	UNITS	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1	3365/SW307 W/2	3365/SW308 W/1
Date Sampled		19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23	19/06/23-21/09/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	23/06/2023	23/06/2023	23/06/2023	23/06/2023	23/06/2023
E. coli	cfu/100mL	<10	<10	110 mpn/100mL	490 mpn/100mL	<18 mpn/100mL
Faecal Coliforms	cfu/100mL	<10	<10	110 mpn/100mL	490 mpn/100mL	<18 mpn/100mL

Microbiologocal Testing		
Our Reference		326273-56
Your Reference	UNITS	3365/SW308 W/2
Date Sampled		19/06/23-21/09/23
Type of sample		Water
Date of testing	-	23/06/2023
E. coli	cfu/100mL	20 mpn/100mL
Faecal Coliforms	cfu/100mL	20 mpn/100mL

Method ID	Methodology Summary
Ext-008	Subcontracted to Sonic Food & Water Testing. NATA Accreditation No. 4034.
Inorg-001	pH - Measured using pH meter and electrode in accordance with APHA latest edition, 4500-H+. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.
Inorg-002	Conductivity and Salinity - measured using a conductivity cell at 25°C in accordance with APHA latest edition 2510 and Rayment & Lyons.
Inorg-019	Suspended Solids - determined gravimetricially by filtration of the sample. The samples are dried at 104+/-5°C.
Inorg-055/062/127	Total Nitrogen - Calculation sum of TKN and oxidised Nitrogen. Alternatively analysed by combustion and chemiluminescence.
Inorg-060	Phosphate determined colourimetrically based on EPA365.1 and APHA latest edition 4500 P E. Waters samples are filtered on receipt prior to analysis. Soils are analysed following a water extraction.
INORG-119	Chlorophyll A based on APHA 10200 H latest edition.
Metals-020	Determination of various metals by ICP-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Metals-022	Determination of various metals by ICP-MS. Please note for Bromine and Iodine, any forms of these elements that are present are included together in the one result reported for each of these two elements.
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-021	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	[NT]
Date extracted	-			23/06/2023	8	23/06/2023	23/06/2023		23/06/2023	[NT]
Date analysed	-			26/06/2023	8	26/06/2023	26/06/2023		26/06/2023	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	<10	8	<10	<10	0	111	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	<10	8	<10	<10	0	111	[NT]
Surrogate Dibromofluoromethane	%		Org-023	120	8	114	116	2	106	[NT]
Surrogate toluene-d8	%		Org-023	122	8	112	115	3	104	[NT]
Surrogate 4-BFB	%		Org-023	104	8	104	105	1	104	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	[NT]
Date extracted	-			[NT]	18	23/06/2023	23/06/2023		23/06/2023	[NT]
Date analysed	-			[NT]	18	26/06/2023	26/06/2023		26/06/2023	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	18	<10	<10	0	112	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	18	<10	<10	0	112	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	18	110	118	7	102	[NT]
Surrogate toluene-d8	%		Org-023	[NT]	18	110	118	7	102	[NT]
Surrogate 4-BFB	%		Org-023	[NT]	18	105	105	0	102	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W4	[NT]
Date extracted	-			[NT]	28	23/06/2023	23/06/2023		23/06/2023	[NT]
Date analysed	-			[NT]	28	26/06/2023	26/06/2023		26/06/2023	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	28	<10	<10	0	117	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	28	<10	<10	0	117	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	28	117	118	1	112	[NT]
Surrogate toluene-d8	%		Org-023	[NT]	28	117	112	4	110	[NT]
Surrogate 4-BFB	%		Org-023	[NT]	28	105	108	3	108	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W5	[NT]
Date extracted	-			[NT]	38	23/06/2023	23/06/2023		23/06/2023	[NT]
Date analysed	-			[NT]	38	26/06/2023	26/06/2023		26/06/2023	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	38	<10	<10	0	107	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	38	<10	<10	0	107	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	38	99	116	16	109	[NT]
Surrogate toluene-d8	%		Org-023	[NT]	38	105	114	8	108	[NT]
Surrogate 4-BFB	%		Org-023	[NT]	38	102	108	6	108	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	48	23/06/2023	23/06/2023		[NT]	[NT]
Date analysed	-			[NT]	48	26/06/2023	26/06/2023		[NT]	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	48	<10	<10	0	[NT]	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	48	<10	<10	0	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	48	120	117	3	[NT]	[NT]
Surrogate toluene-d8	%		Org-023	[NT]	48	118	112	5	[NT]	[NT]
Surrogate 4-BFB	%		Org-023	[NT]	48	109	108	1	[NT]	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	50	23/06/2023	23/06/2023		[NT]	[NT]
Date analysed	-			[NT]	50	26/06/2023	26/06/2023		[NT]	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	50	<10	<10	0	[NT]	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	50	<10	<10	0	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	50	111	113	2	[NT]	[NT]
Surrogate toluene-d8	%		Org-023	[NT]	50	112	108	4	[NT]	[NT]
Surrogate 4-BFB	%		Org-023	[NT]	50	105	106	1	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	326273-9
Date extracted	-			23/06/2023	8	23/06/2023	23/06/2023		23/06/2023	23/06/2023
Date analysed	-			24/06/2023	8	24/06/2023	24/06/2023		24/06/2023	24/06/2023
TRH C_{10} - C_{14}	µg/L	50	Org-020	<50	8	70	<50	33	111	116
TRH C_{15} - C_{28}	µg/L	100	Org-020	<100	8	270	220	20	114	125
TRH C_{29} - C_{36}	µg/L	100	Org-020	<100	8	<100	<100	0	86	93
TRH >C_{10} - C_{16}	µg/L	50	Org-020	<50	8	69	<50	32	111	116
TRH >C_{16} - C_{34}	µg/L	100	Org-020	<100	8	310	270	14	114	125
TRH >C_{34} - C_{40}	µg/L	100	Org-020	<100	8	<100	<100	0	86	93
Surrogate o-Terphenyl	%		Org-020	85	8	87	82	6	84	95

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	326273-29
Date extracted	-			[NT]	18	23/06/2023	23/06/2023		23/06/2023	23/06/2023
Date analysed	-			[NT]	18	24/06/2023	24/06/2023		24/06/2023	24/06/2023
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	18	<50	<50	0	111	119
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	18	<100	<100	0	101	127
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	18	<100	<100	0	100	100
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	18	<50	<50	0	111	119
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	18	<100	<100	0	101	127
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	18	<100	<100	0	100	100
Surrogate o-Terphenyl	%		Org-020	[NT]	18	116	92	23	93	94

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	326273-52
Date extracted	-			[NT]	28	23/06/2023	23/06/2023		23/06/2023	23/06/2023
Date analysed	-			[NT]	28	24/06/2023	24/06/2023		24/06/2023	25/06/2023
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	28	<50	<50	0	115	107
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	28	<100	<100	0	119	113
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	28	<100	<100	0	100	127
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	28	<50	<50	0	115	107
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	28	<100	<100	0	119	113
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	28	<100	<100	0	100	127
Surrogate o-Terphenyl	%		Org-020	[NT]	28	88	93	6	87	85

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	38	23/06/2023	23/06/2023		[NT]	[NT]
Date analysed	-			[NT]	38	24/06/2023	24/06/2023		[NT]	[NT]
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	38	<50	<50	0	[NT]	[NT]
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	38	<100	<100	0	[NT]	[NT]
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	38	<100	<100	0	[NT]	[NT]
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	38	<50	<50	0	[NT]	[NT]
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	38	<100	<100	0	[NT]	[NT]
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	38	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-020	[NT]	38	79	84	6	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	48	23/06/2023	23/06/2023		[NT]	[NT]
Date analysed	-			[NT]	48	25/06/2023	25/06/2023		[NT]	[NT]
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	48	<50	<50	0	[NT]	[NT]
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	48	130	130	0	[NT]	[NT]
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	48	<100	<100	0	[NT]	[NT]
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	48	130	120	8	[NT]	[NT]
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	48	<100	<100	0	[NT]	[NT]
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	48	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-020	[NT]	48	81	81	0	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	56	23/06/2023	23/06/2023		[NT]	[NT]
Date analysed	-			[NT]	56	25/06/2023	25/06/2023		[NT]	[NT]
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	56	<50	77	43	[NT]	[NT]
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	56	130	170	27	[NT]	[NT]
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	56	100	120	18	[NT]	[NT]
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	56	<50	<50	0	[NT]	[NT]
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	56	210	260	21	[NT]	[NT]
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	56	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-020	[NT]	56	76	89	16	[NT]	[NT]

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	326273-10
Date extracted	-			23/06/2023	8	23/06/2023	23/06/2023		23/06/2023	23/06/2023
Date analysed	-			26/06/2023	8	26/06/2023	26/06/2023		26/06/2023	26/06/2023
Naphthalene	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	111	91
Acenaphthylene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	107	92
Fluorene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	104	91
Phenanthrene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	110	88
Anthracene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	120	90
Pyrene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	126	93
Benzo(a)anthracene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	114	95
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	114	90
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	111	8	88	86	2	119	91

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	326273-30
Date extracted	-			[NT]	18	23/06/2023	23/06/2023		23/06/2023	23/06/2023
Date analysed	-			[NT]	18	26/06/2023	26/06/2023		26/06/2023	26/06/2023
Naphthalene	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	71	83
Acenaphthylene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	74	86
Fluorene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	74	84
Phenanthrene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	73	84
Anthracene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	74	86
Pyrene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	74	88
Benzo(a)anthracene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	78	91
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	69	81
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	[NT]	18	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	18	102	100	2	103	91

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	[NT]
Date extracted	-			[NT]	28	23/06/2023	23/06/2023		23/06/2023	[NT]
Date analysed	-			[NT]	28	26/06/2023	26/06/2023		26/06/2023	[NT]
Naphthalene	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	76	[NT]
Acenaphthylene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	76	[NT]
Fluorene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	75	[NT]
Phenanthrene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	75	[NT]
Anthracene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	76	[NT]
Pyrene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	78	[NT]
Benzo(a)anthracene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	81	[NT]
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	71	[NT]
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	[NT]	28	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	28	93	98	5	98	[NT]

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	38	23/06/2023	23/06/2023		[NT]	[NT]
Date analysed	-			[NT]	38	26/06/2023	26/06/2023		[NT]	[NT]
Naphthalene	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Acenaphthylene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Fluorene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Anthracene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Pyrene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Benzo(a)anthracene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	38	115	126	9	[NT]	[NT]

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	56	23/06/2023	23/06/2023		[NT]	[NT]
Date analysed	-			[NT]	56	26/06/2023	26/06/2023		[NT]	[NT]
Naphthalene	µg/L	0.2	Org-022/025	[NT]	56	<0.2	<0.2	0	[NT]	[NT]
Acenaphthylene	µg/L	0.1	Org-022/025	[NT]	56	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	[NT]	56	<0.1	<0.1	0	[NT]	[NT]
Fluorene	µg/L	0.1	Org-022/025	[NT]	56	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	µg/L	0.1	Org-022/025	[NT]	56	<0.1	<0.1	0	[NT]	[NT]
Anthracene	µg/L	0.1	Org-022/025	[NT]	56	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	[NT]	56	<0.1	<0.1	0	[NT]	[NT]
Pyrene	µg/L	0.1	Org-022/025	[NT]	56	<0.1	<0.1	0	[NT]	[NT]
Benzo(a)anthracene	µg/L	0.1	Org-022/025	[NT]	56	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	[NT]	56	<0.1	<0.1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	[NT]	56	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	[NT]	56	<0.1	<0.1	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	[NT]	56	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	[NT]	56	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	[NT]	56	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	56	103	117	13	[NT]	[NT]

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	326273-10
Date extracted	-			23/06/2023	8	23/06/2023	23/06/2023		23/06/2023	23/06/2023
Date analysed	-			26/06/2023	8	26/06/2023	26/06/2023		26/06/2023	26/06/2023
alpha-BHC	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	116	94
HCB	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	117	96
gamma-BHC	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	120	113
delta-BHC	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	118	90
Heptachlor Epoxide	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	121	90
gamma-Chlordane	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	130	100
Dieldrin	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	127	106
Endrin	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	117	94
Endosulfan II	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	124	96
Endrin Aldehyde	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	115	92
Methoxychlor	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	106	8	91	87	4	119	94

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	326273-30
Date extracted	-			[NT]	18	23/06/2023	23/06/2023		23/06/2023	23/06/2023
Date analysed	-			[NT]	18	26/06/2023	26/06/2023		26/06/2023	26/06/2023
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	72	86
HCB	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	74	87
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	87	100
delta-BHC	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	70	82
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	70	80
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	80	92
Dieldrin	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	75	88
Endrin	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	68	78
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	74	85
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	68	79
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	18	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	18	104	102	2	103	93

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	[NT]
Date extracted	-			[NT]	28	23/06/2023	23/06/2023		23/06/2023	[NT]
Date analysed	-			[NT]	28	26/06/2023	26/06/2023		26/06/2023	[NT]
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	76	[NT]
HCB	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	76	[NT]
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	89	[NT]
delta-BHC	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	72	[NT]
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	73	[NT]
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	81	[NT]
Dieldrin	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	78	[NT]
Endrin	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	70	[NT]
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	76	[NT]
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	70	[NT]
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	28	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	28	96	100	4	100	[NT]

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	38	23/06/2023	23/06/2023		[NT]	[NT]
Date analysed	-			[NT]	38	26/06/2023	26/06/2023		[NT]	[NT]
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
HCB	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
delta-BHC	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Dieldrin	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Endrin	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	38	110	125	13	[NT]	[NT]

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	56	23/06/2023	23/06/2023		[NT]	[NT]
Date analysed	-			[NT]	56	26/06/2023	26/06/2023		[NT]	[NT]
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	56	<0.2	<0.2	0	[NT]	[NT]
HCB	µg/L	0.2	Org-022/025	[NT]	56	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	56	<0.2	<0.2	0	[NT]	[NT]
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	56	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	56	<0.2	<0.2	0	[NT]	[NT]
delta-BHC	µg/L	0.2	Org-022/025	[NT]	56	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	56	<0.2	<0.2	0	[NT]	[NT]
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	56	<0.2	<0.2	0	[NT]	[NT]
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	56	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	56	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	56	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	56	<0.2	<0.2	0	[NT]	[NT]
Dieldrin	µg/L	0.2	Org-022/025	[NT]	56	<0.2	<0.2	0	[NT]	[NT]
Endrin	µg/L	0.2	Org-022/025	[NT]	56	<0.2	<0.2	0	[NT]	[NT]
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	56	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	56	<0.2	<0.2	0	[NT]	[NT]
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	56	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	56	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	56	<0.2	<0.2	0	[NT]	[NT]
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	56	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	56	100	114	13	[NT]	[NT]

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	326273-10
Date extracted	-			23/06/2023	8	23/06/2023	23/06/2023		23/06/2023	23/06/2023
Date analysed	-			26/06/2023	8	26/06/2023	26/06/2023		26/06/2023	26/06/2023
Aroclor 1016	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	60
Aroclor 1260	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	106	8	91	87	4	119	94

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	326273-30
Date extracted	-			[NT]	18	23/06/2023	23/06/2023		23/06/2023	23/06/2023
Date analysed	-			[NT]	18	26/06/2023	26/06/2023		26/06/2023	26/06/2023
Aroclor 1016	µg/L	2	Org-021	[NT]	18	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	[NT]	18	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	[NT]	18	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	[NT]	18	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	[NT]	18	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	[NT]	18	<2	<2	0	106	140
Aroclor 1260	µg/L	2	Org-021	[NT]	18	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	18	104	102	2	103	93

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	[NT]
Date extracted	-			[NT]	28	23/06/2023	23/06/2023		23/06/2023	[NT]
Date analysed	-			[NT]	28	26/06/2023	26/06/2023		26/06/2023	[NT]
Aroclor 1016	µg/L	2	Org-021	[NT]	28	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	[NT]	28	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	[NT]	28	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	[NT]	28	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	[NT]	28	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	[NT]	28	<2	<2	0	60	[NT]
Aroclor 1260	µg/L	2	Org-021	[NT]	28	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	28	96	100	4	100	[NT]

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	38	23/06/2023	23/06/2023		[NT]	[NT]
Date analysed	-			[NT]	38	26/06/2023	26/06/2023		[NT]	[NT]
Aroclor 1016	µg/L	2	Org-021	[NT]	38	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	[NT]	38	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	[NT]	38	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	[NT]	38	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	[NT]	38	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	[NT]	38	<2	<2	0	[NT]	[NT]
Aroclor 1260	µg/L	2	Org-021	[NT]	38	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	38	110	125	13	[NT]	[NT]

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	56	23/06/2023	23/06/2023		[NT]	[NT]
Date analysed	-			[NT]	56	26/06/2023	26/06/2023		[NT]	[NT]
Aroclor 1016	µg/L	2	Org-021	[NT]	56	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	[NT]	56	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	[NT]	56	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	[NT]	56	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	[NT]	56	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	[NT]	56	<2	<2	0	[NT]	[NT]
Aroclor 1260	µg/L	2	Org-021	[NT]	56	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	56	100	114	13	[NT]	[NT]

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	326273-9
Date prepared	-			27/06/2023	8	27/06/2023	27/06/2023		27/06/2023	27/06/2023
Date analysed	-			29/06/2023	8	29/06/2023	29/06/2023		29/06/2023	29/06/2023
Aluminium-Total	µg/L	10	Metals-022	<10	8	360	330	9	86	[NT]
Arsenic-Total	µg/L	1	Metals-022	<1	8	<1	1	0	94	[NT]
Chromium-Total	µg/L	1	Metals-022	<1	8	<1	<1	0	92	[NT]
Copper-Total	µg/L	1	Metals-022	<1	8	<1	<1	0	92	[NT]
Iron-Total	µg/L	10	Metals-022	<10	8	1300	1200	8	91	[NT]
Mercury-Total	µg/L	0.05	Metals-021	<0.05	8	<0.05	<0.05	0	87	93
Lead-Total	µg/L	1	Metals-022	<1	8	<1	<1	0	95	[NT]
Selenium-Total	µg/L	1	Metals-022	<1	8	<1	<1	0	93	[NT]
Zinc-Total	µg/L	1	Metals-022	<1	8	9	9	0	82	[NT]

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W4	326273-10
Date prepared	-			[NT]	11	27/06/2023	27/06/2023		27/06/2023	27/06/2023
Date analysed	-			[NT]	11	29/06/2023	29/06/2023		29/06/2023	29/06/2023
Aluminium-Total	µg/L	10	Metals-022	[NT]	11	30	30	0	99	#
Arsenic-Total	µg/L	1	Metals-022	[NT]	11	1	1	0	92	100
Chromium-Total	µg/L	1	Metals-022	[NT]	11	<1	<1	0	86	101
Copper-Total	µg/L	1	Metals-022	[NT]	11	<1	<1	0	88	100
Iron-Total	µg/L	10	Metals-022	[NT]	11	53	51	4	89	#
Mercury-Total	µg/L	0.05	Metals-021	[NT]	11	<0.05	[NT]		101	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	11	<1	<1	0	95	103
Selenium-Total	µg/L	1	Metals-022	[NT]	11	<1	<1	0	92	96
Zinc-Total	µg/L	1	Metals-022	[NT]	11	<1	<1	0	80	89

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W5	326273-29
Date prepared	-			[NT]	18	27/06/2023	27/06/2023		27/06/2023	27/06/2023
Date analysed	-			[NT]	18	29/06/2023	29/06/2023		29/06/2023	29/06/2023
Aluminium-Total	µg/L	10	Metals-022	[NT]	18	370	[NT]		96	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	18	1	[NT]		94	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	18	<1	[NT]		94	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	18	<1	[NT]		91	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	18	700	[NT]		97	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	18	<0.05	<0.05	0	92	89
Lead-Total	µg/L	1	Metals-022	[NT]	18	<1	[NT]		96	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	18	<1	[NT]		89	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	18	3	[NT]		86	[NT]

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	326273-30
Date prepared	-			[NT]	28	27/06/2023	27/06/2023		[NT]	27/06/2023
Date analysed	-			[NT]	28	29/06/2023	29/06/2023		[NT]	29/06/2023
Aluminium-Total	µg/L	10	Metals-022	[NT]	28	80	80	0	[NT]	96
Arsenic-Total	µg/L	1	Metals-022	[NT]	28	1	1	0	[NT]	96
Chromium-Total	µg/L	1	Metals-022	[NT]	28	<1	<1	0	[NT]	122
Copper-Total	µg/L	1	Metals-022	[NT]	28	<1	<1	0	[NT]	99
Iron-Total	µg/L	10	Metals-022	[NT]	28	140	140	0	[NT]	92
Mercury-Total	µg/L	0.05	Metals-021	[NT]	28	<0.05	<0.05	0	[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	28	<1	<1	0	[NT]	88
Selenium-Total	µg/L	1	Metals-022	[NT]	28	<1	<1	0	[NT]	85
Zinc-Total	µg/L	1	Metals-022	[NT]	28	<1	2	67	[NT]	97

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	326273-49
Date prepared	-			[NT]	38	27/06/2023	27/06/2023		[NT]	27/06/2023
Date analysed	-			[NT]	38	29/06/2023	29/06/2023		[NT]	29/06/2023
Aluminium-Total	µg/L	10	Metals-022	[NT]	38	20	40	67	[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	38	1	1	0	[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	38	1	1	0	[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	38	<1	<1	0	[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	38	54	58	7	[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	38	<0.05	<0.05	0	[NT]	91
Lead-Total	µg/L	1	Metals-022	[NT]	38	<1	<1	0	[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	38	<1	<1	0	[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	38	2	2	0	[NT]	[NT]

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	326273-50
Date prepared	-			[NT]	48	27/06/2023	27/06/2023		[NT]	27/06/2023
Date analysed	-			[NT]	48	29/06/2023	29/06/2023		[NT]	29/06/2023
Aluminium-Total	µg/L	10	Metals-022	[NT]	48	950	1000	5	[NT]	#
Arsenic-Total	µg/L	1	Metals-022	[NT]	48	1	1	0	[NT]	94
Chromium-Total	µg/L	1	Metals-022	[NT]	48	2	2	0	[NT]	112
Copper-Total	µg/L	1	Metals-022	[NT]	48	2	2	0	[NT]	95
Iron-Total	µg/L	10	Metals-022	[NT]	48	5800	5700	2	[NT]	#
Mercury-Total	µg/L	0.05	Metals-021	[NT]	48	<0.05	<0.05	0	[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	48	2	2	0	[NT]	89
Selenium-Total	µg/L	1	Metals-022	[NT]	48	<1	<1	0	[NT]	86
Zinc-Total	µg/L	1	Metals-022	[NT]	48	6	6	0	[NT]	89

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	56	27/06/2023	27/06/2023		[NT]	[NT]
Date analysed	-			[NT]	56	29/06/2023	29/06/2023		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	56	10000	9600	4	[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	56	5	5	0	[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	56	13	13	0	[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	56	12	9	29	[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	56	14000	13000	7	[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	56	<0.05	<0.05	0	[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	56	14	14	0	[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	56	<1	<1	0	[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	56	22	26	17	[NT]	[NT]

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	326273-9
Date prepared	-			27/06/2023	8	27/06/2023	27/06/2023		27/06/2023	27/06/2023
Date analysed	-			01/07/2023	8	01/07/2023	01/07/2023		01/07/2023	01/07/2023
Phosphorus - Total	mg/L	0.05	Metals-020	<0.05	8	0.08	0.06	29	92	81

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	326273-29
Date prepared	-			[NT]	11	27/06/2023	27/06/2023		27/06/2023	27/06/2023
Date analysed	-			[NT]	11	01/07/2023	01/07/2023		01/07/2023	01/07/2023
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	11	<0.1	<0.1	0	96	87

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	326273-49
Date prepared	-			[NT]	28	27/06/2023	27/06/2023		27/06/2023	27/06/2023
Date analysed	-			[NT]	28	01/07/2023	01/07/2023		01/07/2023	01/07/2023
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	28	<0.1	<0.1	0	94	72

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	38	27/06/2023	27/06/2023		[NT]	[NT]
Date analysed	-			[NT]	38	01/07/2023	01/07/2023		[NT]	[NT]
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	38	<0.1	<0.1	0	[NT]	[NT]

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	48	27/06/2023	27/06/2023		[NT]	[NT]
Date analysed	-			[NT]	48	01/07/2023	01/07/2023		[NT]	[NT]
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	48	0.06	<0.05	18	[NT]	[NT]

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	56	27/06/2023	27/06/2023		[NT]	[NT]
Date analysed	-			[NT]	56	01/07/2023	01/07/2023		[NT]	[NT]
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	56	0.1	0.1	0	[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	326273-1
Date prepared	-			22/06/2023	1	22/06/2023	22/06/2023		22/06/2023	22/06/2023
Date analysed	-			22/06/2023	1	22/06/2023	22/06/2023		22/06/2023	22/06/2023
Total Suspended Solids	mg/L	5	Inorg-019	<5	11	12	16	29	93	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	<0.1	1	<0.1	[NT]		98	96
Phosphate as P in water	mg/L	0.005	Inorg-060	<0.005	1	<0.005	<0.005	0	113	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	<1	11	<1	[NT]		97	[NT]
pH	pH Units		Inorg-001	[NT]	[NT]	[NT]	[NT]	[NT]	99	[NT]
Electrical Conductivity	µS/cm	1	Inorg-002	<1	[NT]	[NT]	[NT]	[NT]	100	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	326273-2
Date prepared	-			[NT]	2	22/06/2023	22/06/2023		22/06/2023	22/06/2023
Date analysed	-			[NT]	2	22/06/2023	22/06/2023		22/06/2023	22/06/2023
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	12	13	[NT]		107	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	2	<0.1	<0.1	0	100	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	2	0.15	[NT]		113	97
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	12	<1	[NT]		89	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	326273-11
Date prepared	-			[NT]	11	22/06/2023	22/06/2023		22/06/2023	22/06/2023
Date analysed	-			[NT]	11	22/06/2023	22/06/2023		22/06/2023	22/06/2023
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	21	14	16	13	102	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	11	0.1	[NT]		100	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	11	0.01	0.01	0	112	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	21	<1	[NT]		90	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W4	326273-21
Date prepared	-			[NT]	12	22/06/2023	22/06/2023		22/06/2023	22/06/2023
Date analysed	-			[NT]	12	22/06/2023	22/06/2023		22/06/2023	22/06/2023
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	22	10	[NT]		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	12	0.1	0.1	0	[NT]	100
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	12	0.01	[NT]		112	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	22	<1	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	326273-22
Date prepared	-			[NT]	21	22/06/2023	22/06/2023		[NT]	22/06/2023
Date analysed	-			[NT]	21	22/06/2023	22/06/2023		[NT]	22/06/2023
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	21	0.1	[NT]		[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	21	0.009	0.009	0	[NT]	117
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	31	12	14	15	[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	31	<1	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	326273-31
Date prepared	-			[NT]	22	22/06/2023	22/06/2023		[NT]	22/06/2023
Date analysed	-			[NT]	22	22/06/2023	22/06/2023		[NT]	22/06/2023
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	22	0.1	0.1	0	[NT]	102
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	22	0.007	[NT]		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	32	8	[NT]		[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	32	<1	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	326273-41
Date prepared	-			[NT]	31	22/06/2023	22/06/2023		[NT]	22/06/2023
Date analysed	-			[NT]	31	22/06/2023	22/06/2023		[NT]	22/06/2023
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	31	<0.1	[NT]		[NT]	94
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	31	0.006	0.006	0	[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	41	10	12	18	[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	41	<1	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	326273-42
Date prepared	-			[NT]	32	22/06/2023	22/06/2023		[NT]	22/06/2023
Date analysed	-			[NT]	32	22/06/2023	22/06/2023		[NT]	22/06/2023
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	32	<0.1	<0.1	0	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	32	0.006	[NT]		[NT]	115
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	42	8	[NT]		[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	42	<1	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	326273-51
Date prepared	-			[NT]	41	22/06/2023	22/06/2023		[NT]	22/06/2023
Date analysed	-			[NT]	41	22/06/2023	22/06/2023		[NT]	22/06/2023
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	41	0.1	[NT]		[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	41	0.007	0.007	0	[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	51	29	[NT]		[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	51	3	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	42	22/06/2023	22/06/2023		[NT]	[NT]
Date analysed	-			[NT]	42	22/06/2023	22/06/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	42	<0.1	[NT]		[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	42	0.008	[NT]		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	52	25	[NT]		[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	52	<1	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	51	22/06/2023	22/06/2023		[NT]	[NT]
Date analysed	-			[NT]	51	22/06/2023	22/06/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	51	0.8	0.8	0	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	51	<0.005	<0.005	0	[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	52	22/06/2023	22/06/2023		[NT]	[NT]
Date analysed	-			[NT]	52	22/06/2023	22/06/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	52	0.6	[NT]		[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	52	<0.005	[NT]		[NT]	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

The recommended maximums for analytes in urine are taken from “2018 TLVs and BEIs”, as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016.

Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Where matrix spike recoveries fall below the lower limit of the acceptance criteria (e.g. for non-labile or standard Organics <60%), positive result(s) in the parent sample will subsequently have a higher than typical estimated uncertainty (MU estimates supplied on request) and in these circumstances the sample result is likely biased significantly low.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Report Comments

Microbiology analysed by Sonic Food & Water Testing. Report No. W2314617 & W2314618 & W2314619 & W2314620 & W2314621 & W2314621 & W2314622 & W2314623 & W2314624
The time between collection and the commencement of testing should not exceed 24 hours. Samples tested outside this time may have their results compromised
^ the result is an estimated value: the analyte was detected at a level above the linear calibration range for said analyte(s).
A: Approximate

All metals in water - total - # Percent recovery is not applicable due to the high concentration of the element/s in the sample/s. However an acceptable recovery was obtained for the LCS.

8 Metals in Waters - total - The PQL has been raised for#11-42,46,49-52 due to the sample matrix requiring dilution.

Lab Document Event 7

Envirolab Services Pty Ltd
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SAMPLE RECEIPT ADVICE

Client Details

Client	Martens & Associates Pty Ltd
Attention	Bryson Monaghan

Sample Login Details

Your reference	P1203365 – Water Sampling, West Culburra, NSW
Envirolab Reference	326273
Date Sample Received	22/06/2023
Date Instructions Received	22/06/2023
Date Results Expected to be Reported	01/07/2023

Sample Condition

Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	61 Water
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	4
Cooling Method	Ice
Sampling Date Provided	YES

Comments

NB - 3365/SW306 W/2 appears twice on the COC

#18 - Assumed COC should read - 3365/SW205 W/2

Please direct any queries to:

Aileen Hie	Jacinta Hurst
Phone: 02 9910 6200	**Phone: 02 9910 6200**
Fax: 02 9910 6201	**Fax: 02 9910 6201**
Email: ahie@envirolab.com.au	**Email: jhurst@envirolab.com.au**

Analysis Underway, details on the following page:

Envirolab Services Pty Ltd
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Sample ID	vTRH in Water (C6-C9) NEPM	svTRH (C10-C40) in Water	PAHs in Water	Organochlorine Pesticides in Water	PCBs in Water	All metals in water - total	Metals in Waters -Acid extractable	Total Suspended Solids	Total Nitrogen in water	Phosphate as P in water	Chlorophyll a	pH	Electrical Conductivity	Microbiologocal Testing
3365/GW01							✓		✓	✓				✓
3365/GW02							✓		✓	✓				✓
3365/GW03							✓		✓	✓				✓
3365/GW04							✓		✓	✓				✓
3365/GW05							✓		✓	✓				✓
3365/GW06							✓		✓	✓				✓
3365/GW07							✓		✓	✓				✓
3365/SW101	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW102	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW103	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW201 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW201 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW202 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW202 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW203 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW203 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW205 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW205 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW206 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW206 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW207 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW207 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW208 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW208 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW209 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW209 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW210 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW210 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW211 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW211 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW212 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW212 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓

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Sample ID	vTRH in Water (C6-C9) NEPM	svTRH (C10-C40) in Water	PAHs in Water	Organochlorine Pesticides in Water	PCBs in Water	All metals in water - total	Metals in Waters -Acid extractable	Total Suspended Solids	Total Nitrogen in water	Phosphate as P in water	Chlorophyll a	pH	Electrical Conductivity	Microbiologocal Testing
3365/SW213 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW213 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW214 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW214 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW215 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW215 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW216 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW216 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW217 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW217 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW302 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW302 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW303 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW303 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW304 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW304 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW305 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW305 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW306 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW306 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW307 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW307 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW308 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW308 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/DUP01						✓								
3365/DUP02						✓								
3365/DUP03						✓								
3365/DUP04						✓								
3365/GW DUP01												✓	✓	

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

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Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.
Requests for longer term sample storage must be received in writing.
Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.
TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

coc: 22/6/23 1437

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SAMPLE ANALYSIS CHAIN OF CUSTODY FORM

WEST CULBURRA – ENVIROLAB QUOTATION – 22SY375_B0													
Name	P1203365 – Water Sampling, West Culburra, NSW												
Martens Contact Officer	Bryson Monaghan					**Contact Email**	Bmonghan@martens.com.au						
Sampling and Shipping	**Sample Date**	19 to 21.06.2023		**Dispatch Date**	22.06.2023	**Turnaround Time**		Standard					
	Our Reference	P1203365COC27V01				**Shipping Method (X)**	**Hand**	X	**Post**		**Courier**		
	On Ice (X)	X	**No Ice (X)**		**Other (X)**								
Laboratory													
Name	Envirolab Services P/L												
Sample Delivery Address	12 Ashley St, Chatswood												
Delivery Contact	**Name**	Sample Receipt	**Phone**	02 9910 6200	**Fax**	-	**Email**	samplereceipt@envirolabservices.com.au					
Please Send Report By (X)	**Post**		**Fax**		**Email**	X	**Reporting Email Address**	wxu@martens.com.au and CC ANorris@martens.com.au					

	Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN, TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
1	3365/GW01						X	
2	3365/GW02						X	
3	3365/GW03						X	
4	3365/GW04						X	
5	3365/GW05						X	
6	3365/GW06						X	
7	3365/GW07						X	
							X	
8	3365/SW101	X	X	X	X			
9	3365/SW102	X	X	X	X			
10	3365/SW103	X	X	X	X			

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200
JB
Job No: 326273
Date Received: 22/6/23
Time Received: 1745
Received by: AN
Temp: Cool/Ambient
Cooling: Ice/Icepack
Security: Intact

Head Office
Suite 201, 20 George Street
Hornsby NSW 2077, Australia
Ph 02 9476 9999 **Fax** 02 9476 8767

> mail@martens.com.au
> www.martens.com.au
MARTENS & ASSOCIATES P/L
ABN 85 070 240 890 ACN 070 240 890

SOIL ANALYSIS CHAIN OF CUSTODY

	Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN, TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
11	3365/SW201 W/1	X	X	X	X			
12	3365/SW201 W/2	X	X	X	X			
13	3365/SW202 W/1	X	X	X	X			
14	3365/SW202 W/2	X	X	X	X			
15	3365/SW203 W/1	X	X	X	X			
16	3365/SW203 W/2	X	X	X	X			
17	3365/SW205 W/1	X	X	X	X			
18	3365/SW205 W/1	X	X	X	X			
19	3365/SW206 W/1	X	X	X	X			
20	3365/SW206 W/2	X	X	X	X			
21	3365/SW207 W/1	X	X	X	X			
22	3365/SW207 W/2	X	X	X	X			
23	3365/SW208 W/1	X	X	X	X			
24	3365/SW208 W/2	X	X	X	X			
25	3365/SW209 W/1	X	X	X	X			
26	3365/SW209 W/2	X	X	X	X			
27	3365/SW210 W/1	X	X	X	X			
28	3365/SW210 W/2	X	X	X	X			
29	3365/SW211 W/1	X	X	X	X			
30	3365/SW211 W/2	X	X	X	X			
31	3365/SW212 W/1	X	X	X	X			
32	3365/SW212 W/2	X	X	X	X			
33	3365/SW213 W/1	X	X	X	X			
34	3365/SW213 W/2	X	X	X	X			
35	3365/SW214 W/1	X	X	X	X			
36	3365/SW214 W/2	X	X	X	X			
37	3365/SW215 W/1	X	X	X	X			
38	3365/SW215 W/2	X	X	X	X			
39	3365/SW216 W/1	X	X	X	X			
40	3365/SW216 W/2	X	X	X	X			

SOIL ANALYSIS CHAIN OF CUSTODY

	Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN. TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
41	3365/SW217 W/1	X	X	X	X			
42	3365/SW217 W/2	X	X	X	X			
43	3365/SW302 W/1	X	X	X	X			
44 ~~48~~	3365/SW302 W/2	X	X	X	X			
45	3365/SW303 W/1	X	X	X	X			
46	3365/SW303 W/2	X	X	X	X			
47	3365/SW304 W/1	X	X	X	X			
48	3365/SW304 W/2	X	X	X	X			
49	3365/SW305 W/1	X	X	X	X			
50	3365/SW305 W/2	X	X	X	X			
Nil ~~51~~	3365/SW306 W/2	X	X	X	X			
51 ~~52~~	3365/SW306 W/1	X	X	X	X			
52 ~~53~~	3365/SW306 W/2	X	X	X	X			
53 ~~54~~	3365/SW307 W/1	X	X	X	X			
54 ~~55~~	3365/SW307 W/2	X	X	X	X			
55 ~~56~~	3365/SW308 W/1	X	X	X	X			
56 ~~57~~	3365/SW308 W/2	X	X	X	X			
57 ~~58~~	3365/DUP01	X						
58 ~~59~~	3365/DUP02	X						
59 ~~60~~	3365/DUP03	X						
60 ~~61~~	3365/DUP04	X						
61 ~~62~~	3365/GW DUP01					X		

Field Sheet Event 7

WATER SAMPLING FORM - Surface Water

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PROJECT INFORMATION

PROJECT NUMBER: 3365

CLIENT: Sealark Pty Ltd

SITE LOCATION: Culburra

MONTHLY / BIMONTHLY: Bimonthly (Event 7)

WET WEATHER (Y/N): N

DATE:19 – 21 / 06 / 2023

SAMPLED BY: TR + BTM

ROLE: sampler / engineer

SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (% Sat)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
101	20th 11:08	E: 293805.1577 N: 6132989.967	WQ Meter	12.4	7.0	-5.2	78.9		287.7	4.78	Pale brown, slightly turbid, no sheen, no odour Y sample collected
102	19th 14:29	E: 293965.373 N: 6132268.998	WQ Meter	12.4	8.82	99.7	81.8		426.4	0.35	Dup04, Translucent, no odour, no sheen, Y sample collected.
103	20th	E: 294551.5727 N: 6132544.192	WQ Meter	8.6	9.00	16.8	83.3		91.5	21.63	no sheen, no odour Y sample collected
301		E: 294133.1279 N: 6132132.344									Dry, N Sample collected.
302	19th 13:06	E: 294417.7457 N: 6131862.805	WQ Meter	10.6	6.61	153.1	82.0		265.7	3.87	Translucent, no odour, no sheen, Y sample collected.
303	21st 13:45	E: 294968.1325 N: 6131646.043	WQ Meter	10.0	8.20	94.0	83.1		42201	17.77	no sheen, no odour Y sample collected
304	20th 15:41	E: 293592.1655 N: 6131495.252	WQ Meter	8.9	6.70	96.7	78.9		156.0	72.42	no sheen, no odour Y sample collected
305	19th 13:36	E: 293972.9125 N: 6131247.39	WQ Meter	9.3	7.52	248.9	79.1		39768	0.81	Translucent, no odour, no sheen, Y sample collected
306	19th 14:05	E: 294344.2352 N: 6130631.032	WQ Meter	11.9	8.52	217.9	78.9		41465	6.21	Translucent, no odour, no sheen, Y sample collected.
307	20th	E: 292325.5219 N: 6131083.405	WQ Meter	9.7	7.23	111.3	80.6		203.6	222.29	no sheen, no odour Y sample collected
308	19th 15:25	E: 293716.568 N: 6130800.672	WQ Meter	13.1	6.0	93.0	79.7		929	400.16	Dup01, Brown, turbid, no sheen or odour, Y sample collected.

Sample bottle codes: P-plastic, G - glass, V - vial

Preservation Codes - U - unpreserved, S -sulfuric acid, N - nitric acid, H - hydrochloric acid

WATER SAMPLING FORM - Estuary Surface Water

martens consulting engineers since 1989

PROJECT INFORMATION

PROJECT NUMBER: 3365

CLIENT: Sealark Pty Ltd

SITE LOCATION: Culburra

MONTHLY / BIMONTHLY: Bimonthly (Event 7)

WET WEATHER (Y/N): N

DATE: 20 - 21 / 06 / 2023

SAMPLED BY: TR + BTM

ROLE: sampler / engineer

SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (% Sat)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
201a	12:44	E: 291599.8406 N: 6132279.365	WQ Meter	10.9	8.17	67.0	84.3		48226	0.77	Shallow (10-20cm) No sheen, no odour, Y Sample collected
201b	12:44	E: 291599.8406 N: 6132279.365	WQ Meter	10.8	8.15	69.9	84.8		48274	0.84	Deep (~1.5m) No sheen, no odour, Y Sample collected
202a	12:36	E: 292093.6809 N: 6132720.429	WQ Meter	11.3	8.20	76.8	84.5		48548	0.77	Shallow (10-20cm) DUP02, no sheen, no odour, Y Sample collected
202b	12:38	E: 292093.6809 N: 6132720.429	WQ Meter	11.3	8.20	79.9	85.9		48603	0.72	Deep (~2m) No sheen, no odour, Y Sample collected
203	12:27	E: 292802.3981 N: 6133121.909	WQ Meter	11.6	8.26	73.3	85.0		48606	14.49	No sheen, no odour, Y Sample collected
204		E: 293266.0802 N: 6132876.874	WQ Meter								Due to inefficient high tide = dry, N sample collected.
205	20th	E: 293605.3597 N: 6133080.442	WQ Meter	12.3	7.93	111.6	76.5		47633	14.81	Translucent, organic sheen, no odour, Y Sample collected.
206	20th	E: 293650.597 N: 6133344.326	WQ Meter	11.8	7.69	145.2	78.4		47876	2.18	Translucent, organic sheen, no odour, Y sample collected.
207	11:48	E: 293920.1357 N: 6133182.226	WQ Meter	11.5	8.03	75.6	84.7		51196	8.91	No sheen, no odour, Y Sample collected
208	11:54	E: 293893.7473 N: 6133355.635	WQ Meter	12.9	8.14	87.9	85.1		47833	12.98	No sheen, no odour, Y Sample collected

Sample bottle codes: P-plastic, G - glass, V - vial Preservation Codes - U - unpreserved, S -sulfuric acid, N - nitric acid, H - hydrochloric acid

WATER SAMPLING FORM - Estuary Surface Water

martens consulting engineers since 1989

PROJECT INFORMATION

PROJECT NUMBER: 3365 | MONTHLY / BIMONTHLY: Bimonthly (Event 7) | SAMPLED BY: TR + BTM

CLIENT: Sealark Pty Ltd | WET WEATHER (Y/N): N | ROLE: sampler / engineer

SITE LOCATION: Culburra | DATE:21 / 06 / 2023 | SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (% Sat)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
209	11:43	E: 294229.2571 N: 6133216.154	WQ Meter	11.1	8.09	94.4	85.1		50734	4.38	No sheen, no odour, Y Sample collected
210	11:23	E: 294591.1553 N: 6132850.486	WQ Meter	10.8	8.13	95.6	84.8		49093	2.21	Dup03, no sheen, no odour, Y Sample collected
211	11:12	E: 294994.521 N: 6132922.111	WQ Meter	9.3	8.16	78.3	84.3		49343	3.92	No sheen, no odour, Y Sample collected
212	11:30	E: 294583.6157 N: 6133133.219	WQ Meter	11.5	8.14	78.0	85.2		48628	1.53	No sheen, no odour, Y Sample collected
213	10:51	E: 294847.4998 N: 6133472.498	WQ Meter	10.9	8.14	99.6	84.8		49047	1.41	No sheen, no odour, Y Sample collected
214	10:54	E: 294994.521 N: 6133970.108	WQ Meter	9.6	8.13	101.9	84.7		49193	3.19	No sheen, no odour, Y Sample collected
215	12:03	E: 293950.2939 N: 6133668.526	WQ Meter	13.0	8.16	73.6	85.9		48287	1.79	No sheen, no odour, Y Sample collected
216	10:30	E: 293079.4764 N: 6134471.488	WQ Meter	12.9	8.00	185.2	84.7		47803	0.78	No sheen, no odour, Y Sample collected
217	10:37	E: 293520.5398 N: 6134963.443	WQ Meter	15.0	8.07	163.0	85.2		52286	0.38	No sheen, no odour, Y Sample collected

Sample bottle codes: P-plastic, G - glass, V - vial

Preservation Codes - U - unpreserved, S -sulfuric acid, N - nitric acid, H - hydrochloric acid

WQ calibration certificate Event 7

Multi Parameter Water Meter

Instrument YSI Pro DSS
Serial No. 15J100066

Air-Met Scientific Pty Ltd
1300 137 067

Item	Test	Pass	Comments
Battery	Charge Condition	✓	
	Fuses	✓	
	Capacity	✓	
	Recharge OK?	✓	
Switch/keypad	Operation	✓	
Display	Intensity	✓	
	Operation (segments)	✓	
Grill Filter	Condition	✓	
	Seal	✓	
PCB	Condition	✓	
Connectors	Condition	✓	
Sensor	1. pH	✓	
	2. Turbidity	✓	
	3. Conductivity	✓	
	4. D.O	✓	
	5. Temp	✓	
	6. Depth	✓	
Alarms	Beeper		
	Settings		
Software	Version		
Data logger	Operation		
Download	Operation		
Other tests:			

Certificate of Calibration

This is to certify that the above instrument has been calibrated to the following specifications:

Sensor	Serial no	Standard Solutions	Certified	Solution Bottle Number	Instrument Reading
1. EC		2.760mS		401089	2.765mS
2. Temp		21.5°C		Testo	21.5°C
3. pH 4		pH 4.00		399527	pH 4.01
4. pH 7		pH 7.00		399304	pH 7.06
6. DO		0%		12110	-0.4%
7.Turbidity		100NTU		396426/402593	100.1NTU
8. mV		236.7mV		A393379/B400204	236.6mV

Calibrated by: **Jesse Stenroos**

Calibration date: **13/06/2023**

Next calibration due: **13/07/2023**

Appendix Q – Event 8 Data

Table 50: Estuary surface water - laboratory data event 8

		TRH					Biological			Halogenated Benzenes	Inorganics				Metals								
		C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)	Aluminium	Arsenic	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
		µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL		10	50	100	100	50	1	1	0.001	0.2	0.1	0.05	0.005	5	0.01	0.001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Date**																						
SW205	**11 Jul 2023**	<10	<50	<100	<100	<50	1^A	1^A	<0.001	<0.2	<0.1	<0.05	<0.005	<5	0.09	<0.002	<0.002	<0.002	0.17	<0.002	<0.00005	<0.002	0.003
SW207	**11 Jul 2023**	<10	<50	<100	<100	<50	<1	<1	0.005	<0.2	0.1	<0.05	<0.005	<5	0.05	<0.002	<0.002	<0.002	0.11	<0.002	<0.00005	<0.002	0.003
SW210	**11 Jul 2023**	<10	<50	<100	<100	<50	<1	<1	<0.001	<0.2	<0.1	<0.05	<0.005	<5	0.07	<0.002	<0.002	<0.002	0.11	<0.002	<0.00005	<0.002	0.005
SW211	**11 Jul 2023**	<10	<50	<100	<100	<50	1^A	1^A	<0.001	<0.2	<0.1	<0.05	0.063	9	0.14	<0.002	<0.002	<0.002	0.25	<0.002	<0.00005	<0.002	0.002
Statistics																							
Number of Results		**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**	**1**	**1**	**4**	**0**	**0**	**0**	**4**	**0**	**0**	**0**	**4**
Minimum Concentration		**<10**	**<50**	**<100**	**<100**	**<50**	**<1**	**<1**	**<0.001**	**<0.2**	**0.1**	**<0.05**	**<0.005**	**<5**	**0.05**	**<0.002**	**<0.002**	**<0.002**	**0.11**	**<0.002**	**<0.00005**	**<0.002**	**0.002**
Maximum Concentration		**<10**	**<50**	**<100**	**<100**	**<50**	**<1**	**<1**	**0.005**	**<0.2**	**0.1**	**<0.05**	**0.063**	**9**	**0.14**	**<0.002**	**<0.002**	**<0.002**	**0.25**	**<0.002**	**<0.00005**	**<0.002**	**0.005**
Average Concentration *		**10**	**50**	**100**	**100**	**50**	**1**	**1**	**0.002**	**0.2**	**0.1**	**0.05**	**0.02**	**6**	**0.088**	**0.002**	**0.002**	**0.002**	**0.16**	**0.002**	**0.00005**	**0.002**	**0.0032**
Median Concentration *		**10**	**50**	**100**	**100**	**50**	**1**	**1**	**0.001**	**0.2**	**0.1**	**0.05**	**0.005**	**5**	**0.08**	**0.002**	**0.002**	**0.002**	**0.14**	**0.002**	**0.00005**	**0.002**	**0.003**

* A Non Detect Multiplier of 1 has been applied.

		Organochlorine Pesticides																	
		4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Date**																			
SW205	**11 Jul 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**11 Jul 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**11 Jul 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**11 Jul 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Statistics																				
Number of Results		**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Maximum Concentration		**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Average Concentration *		**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**
Median Concentration *		**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

* A Non Detect Multiplier of 1 has been applied.

		PAH																
		Benzo(b+j+k)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
		mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL		0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0005	0.0001
Location Code	**Date**																	
SW205	**11 Jul 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW207	**11 Jul 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW210	**11 Jul 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW211	**11 Jul 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
Statistics																		
Number of Results		**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Maximum Concentration		**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Average Concentration *		**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.0005**	**0.0001**
Median Concentration *		**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.0005**	**0.0001**

* A Non Detect Multiplier of 1 has been applied.

		PCBs							TPH				
		Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Date**												
SW205	**11 Jul 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	**11 Jul 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	**11 Jul 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	**11 Jul 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
Statistics													
Number of Results		**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Maximum Concentration		**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Average Concentration *		**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**100**	**100**	**50**
Median Concentration *		**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**100**	**100**	**50**

* A Non Detect Multiplier of 1 has been applied.

Table 51: Estuary surface water – water quality data event 8

Sampling Site ID	Shallow / Deep[1]	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (% Sat)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)
205a	S	13.3	8.11	165.2	107.8	31.01	47662	10.35
205b	D	13.3	8.12	163.8	106.5	31.03	47679	8.96
205c	S	13.3	8.12	164.0	105.2	31.04	47703	7.22
205d	D	13.3	8.12	162.9	107.3	31.05	47707	1.77
207a	S	13.4	7.83	273.3	104.4	30.83	47404	1.53
207b	D	13.4	7.97	236.0	106.5	30.83	47407	4.38
207c	S	13.4	7.95	242.9	106.4	30.83	47403	1.58
207d	D	13.4	8.00	226.2	104.2	30.88	47467	4.28
210a	S	12.7	8.15	195.6	107.2	30.57	48456	2.58
210b	D	12.8	8.18	184.7	111.3	32.18	49297	4.35
210c	S	12.8	8.16	190.9	108.4	31.61	48512	8.66
210d	D	12.8	8.18	182.8	112.9	31.98	49028	5.54
211a	S	13.6	8.08	168.5	107.9	32.61	49845	5.62
211b	D	13.7	8.07	166.8	112.9	32.65	49894	11.05
211c	S	13.6	8.08	167.2	110.2	32.62	49861	7.07
211d	D	13.7	8.08	166.3	113.4	32.65	49890	7.17

[1]Shallow (S) indicates water quality taken from top of water column. Deep (D) indicates water quality taken from below of the water column.

Table 52: Estuary surface water – water quality data event 8 statistical summary

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (% Sat)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)
min	12.7	7.83	162.9	104.2	30.57	47403	1.53
max	13.7	8.18	273.3	113.4	32.65	49894	11.05
mean	13.3	8.08	191.1	108.3	31.52	48451	5.76
median	13.4	8.10	175.7	107.6	31.05	48082	5.58
range	1.0	0.35	110.4	9.2	2.08	2491	9.52

Appendix R – Event 8 Documents

Lab Report Event 8

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
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CERTIFICATE OF ANALYSIS 327756

Client Details

Client	Martens & Associates Pty Ltd
Attention	Trystan Richards
Address	Suite 201, 20 George St, Hornsby, NSW, 2077

Sample Details

Your Reference	**P1203365 – Water Sampling, West Culburra, NSW**
Number of Samples	16 Water
Date samples received	12/07/2023
Date completed instructions received	12/07/2023

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	19/07/2023
Date of Issue	19/07/2023

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Results Approved By
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Liam Timmins, Organics Supervisor
Loren Bardwell, Development Chemist
Steven Luong, Senior Chemist

Authorised By
Nancy Zhang, Laboratory Manager

vTRH in Water (C6-C9) NEPM						
Our Reference		327756-8	327756-9	327756-10	327756-11	327756-12
Your Reference	UNITS	3365/SW101	3355/SW102	3365/SW205	3365/SW207	3365/SW210
Date Sampled		10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	12/07/2023	12/07/2023	12/07/2023	12/07/2023	12/07/2023
Date analysed	-	12/07/2023	12/07/2023	12/07/2023	12/07/2023	12/07/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	96	97	101	97	98
Surrogate toluene-d8	%	92	92	94	94	93
Surrogate 4-BFB	%	105	107	105	106	105

vTRH in Water (C6-C9) NEPM		
Our Reference		327756-13
Your Reference	UNITS	3365/SW211
Date Sampled		10/07/2023-12/07/2023
Type of sample		Water
Date extracted	-	12/07/2023
Date analysed	-	12/07/2023
TRH C_6 - C_9	µg/L	<10
TRH C_6 - C_{10}	µg/L	<10
Surrogate Dibromofluoromethane	%	99
Surrogate toluene-d8	%	93
Surrogate 4-BFB	%	106

svTRH (C10-C40) in Water						
Our Reference		327756-8	327756-9	327756-10	327756-11	327756-12
Your Reference	UNITS	3365/SW101	3355/SW102	3365/SW205	3365/SW207	3365/SW210
Date Sampled		10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	16/07/2023	16/07/2023	16/07/2023	16/07/2023	16/07/2023
Date analysed	-	17/07/2023	17/07/2023	17/07/2023	17/07/2023	17/07/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	170	110	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	170	110	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	190	110	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	190	110	<50	<50	<50
Surrogate o-Terphenyl	%	64	60	61	72	63

svTRH (C10-C40) in Water		
Our Reference		327756-13
Your Reference	UNITS	3365/SW211
Date Sampled		10/07/2023-12/07/2023
Type of sample		Water
Date extracted	-	16/07/2023
Date analysed	-	17/07/2023
TRH C_{10} - C_{14}	µg/L	<50
TRH C_{15} - C_{28}	µg/L	<100
TRH C_{29} - C_{36}	µg/L	<100
Total +ve TRH (C10-C36)	µg/L	<50
TRH >C_{10} - C_{16}	µg/L	<50
TRH >C_{16} - C_{34}	µg/L	<100
TRH >C_{34} - C_{40}	µg/L	<100
Total +ve TRH (>C10-C40)	µg/L	<50
Surrogate o-Terphenyl	%	83

PAHs in Water						
Our Reference		327756-8	327756-9	327756-10	327756-11	327756-12
Your Reference	UNITS	3365/SW101	3355/SW102	3365/SW205	3365/SW207	3365/SW210
Date Sampled		10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	16/07/2023	16/07/2023	16/07/2023	16/07/2023	16/07/2023
Date analysed	-	16/07/2023	16/07/2023	16/07/2023	16/07/2023	16/07/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	71	69	65	63	74

PAHs in Water		
Our Reference		327756-13
Your Reference	UNITS	3365/SW211
Date Sampled		10/07/2023-12/07/2023
Type of sample		Water
Date extracted	-	16/07/2023
Date analysed	-	16/07/2023
Naphthalene	µg/L	<0.2
Acenaphthylene	µg/L	<0.1
Acenaphthene	µg/L	<0.1
Fluorene	µg/L	<0.1
Phenanthrene	µg/L	<0.1
Anthracene	µg/L	<0.1
Fluoranthene	µg/L	<0.1
Pyrene	µg/L	<0.1
Benzo(a)anthracene	µg/L	<0.1
Chrysene	µg/L	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2
Benzo(a)pyrene	µg/L	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5
Total +ve PAH's	µg/L	<0.1
Surrogate p-Terphenyl-d14	%	60

Organochlorine Pesticides in Water						
Our Reference		327756-8	327756-9	327756-10	327756-11	327756-12
Your Reference	UNITS	3365/SW101	3355/SW102	3365/SW205	3365/SW207	3365/SW210
Date Sampled		10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	16/07/2023	16/07/2023	16/07/2023	16/07/2023	16/07/2023
Date analysed	-	16/07/2023	16/07/2023	16/07/2023	16/07/2023	16/07/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	69	67	66	62	71

Organochlorine Pesticides in Water		
Our Reference		327756-13
Your Reference	UNITS	3365/SW211
Date Sampled		10/07/2023-12/07/2023
Type of sample		Water
Date extracted	-	16/07/2023
Date analysed	-	16/07/2023
alpha-BHC	µg/L	<0.2
HCB	µg/L	<0.2
beta-BHC	µg/L	<0.2
gamma-BHC	µg/L	<0.2
Heptachlor	µg/L	<0.2
delta-BHC	µg/L	<0.2
Aldrin	µg/L	<0.2
Heptachlor Epoxide	µg/L	<0.2
gamma-Chlordane	µg/L	<0.2
alpha-Chlordane	µg/L	<0.2
Endosulfan I	µg/L	<0.2
pp-DDE	µg/L	<0.2
Dieldrin	µg/L	<0.2
Endrin	µg/L	<0.2
Endosulfan II	µg/L	<0.2
pp-DDD	µg/L	<0.2
Endrin Aldehyde	µg/L	<0.2
pp-DDT	µg/L	<0.2
Endosulfan Sulphate	µg/L	<0.2
Methoxychlor	µg/L	<0.2
Surrogate TCMX	%	100

PCBs in Water						
Our Reference		327756-8	327756-9	327756-10	327756-11	327756-12
Your Reference	UNITS	3365/SW101	3355/SW102	3365/SW205	3365/SW207	3365/SW210
Date Sampled		10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	16/07/2023	16/07/2023	16/07/2023	16/07/2023	16/07/2023
Date analysed	-	16/07/2023	16/07/2023	16/07/2023	16/07/2023	16/07/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	69	67	66	62	71

PCBs in Water		
Our Reference		327756-13
Your Reference	UNITS	3365/SW211
Date Sampled		10/07/2023-12/07/2023
Type of sample		Water
Date extracted	-	16/07/2023
Date analysed	-	16/07/2023
Aroclor 1016	µg/L	<2
Aroclor 1221	µg/L	<2
Aroclor 1232	µg/L	<2
Aroclor 1242	µg/L	<2
Aroclor 1248	µg/L	<2
Aroclor 1254	µg/L	<2
Aroclor 1260	µg/L	<2
Surrogate TCMX	%	100

All metals in water - total						
Our Reference		327756-8	327756-9	327756-10	327756-11	327756-12
Your Reference	UNITS	3365/SW101	3355/SW102	3365/SW205	3365/SW207	3365/SW210
Date Sampled		10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/07/2023	14/07/2023	14/07/2023	14/07/2023	14/07/2023
Date analysed	-	14/07/2023	14/07/2023	14/07/2023	14/07/2023	14/07/2023
Aluminium-Total	µg/L	360	400	90	50	70
Arsenic-Total	µg/L	2	<1	<2	<2	<2
Chromium-Total	µg/L	1	<1	<2	<2	<2
Copper-Total	µg/L	3	4	<2	<2	<2
Iron-Total	µg/L	2,000	300	170	110	110
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<2	<2	<2
Selenium-Total	µg/L	<1	<1	<2	<2	<2
Zinc-Total	µg/L	12	16	3	3	5

All metals in water - total				
Our Reference		327756-13	327756-15	327756-16
Your Reference	UNITS	3365/SW211	3365/DUP01	3365/DUP02
Date Sampled		10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023
Type of sample		Water	Water	Water
Date prepared	-	14/07/2023	14/07/2023	14/07/2023
Date analysed	-	14/07/2023	14/07/2023	14/07/2023
Aluminium-Total	µg/L	140	410	40
Arsenic-Total	µg/L	<2	<1	<2
Chromium-Total	µg/L	<2	<1	<2
Copper-Total	µg/L	<2	4	<2
Iron-Total	µg/L	250	230	95
Mercury-Total	µg/L	<0.05	<0.05	<0.05
Lead-Total	µg/L	<2	<1	<2
Selenium-Total	µg/L	<2	<1	<2
Zinc-Total	µg/L	2	14	<2

Metals in Waters - Acid extractable						
Our Reference		327756-1	327756-2	327756-3	327756-4	327756-5
Your Reference	UNITS	3365/GW201	3365/GW202	3365/GW203	3365/GW204	3365/GW205
Date Sampled		10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/07/2023	14/07/2023	14/07/2023	14/07/2023	14/07/2023
Date analysed	-	14/07/2023	14/07/2023	14/07/2023	14/07/2023	14/07/2023
Phosphorus - Total	mg/L	0.07	0.2	0.2	0.3	0.06

Metals in Waters - Acid extractable						
Our Reference		327756-6	327756-7	327756-8	327756-9	327756-10
Your Reference	UNITS	3365/GW206	3365/GW207	3365/SW101	3355/SW102	3365/SW205
Date Sampled		10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	14/07/2023	14/07/2023	14/07/2023	14/07/2023	14/07/2023
Date analysed	-	14/07/2023	14/07/2023	14/07/2023	14/07/2023	14/07/2023
Phosphorus - Total	mg/L	0.3	<0.05	0.2	0.07	<0.05

Metals in Waters - Acid extractable				
Our Reference		327756-11	327756-12	327756-13
Your Reference	UNITS	3365/SW207	3365/SW210	3365/SW211
Date Sampled		10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023
Type of sample		Water	Water	Water
Date prepared	-	14/07/2023	14/07/2023	14/07/2023
Date analysed	-	14/07/2023	14/07/2023	14/07/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05

Miscellaneous Inorganics						
Our Reference		327756-1	327756-2	327756-3	327756-4	327756-5
Your Reference	UNITS	3365/GW201	3365/GW202	3365/GW203	3365/GW204	3365/GW205
Date Sampled		10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	12/07/2023	12/07/2023	12/07/2023	12/07/2023	12/07/2023
Date analysed	-	12/07/2023	12/07/2023	12/07/2023	12/07/2023	12/07/2023
Total Nitrogen in water	mg/L	<0.1	<0.1	<0.1	<0.1	0.4
Phosphate as P in water	mg/L	<0.005	0.15	<0.005	0.087	<0.005

Miscellaneous Inorganics						
Our Reference		327756-6	327756-7	327756-8	327756-9	327756-10
Your Reference	UNITS	3365/GW206	3365/GW207	3365/SW101	3355/SW102	3365/SW205
Date Sampled		10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	12/07/2023	12/07/2023	12/07/2023	12/07/2023	12/07/2023
Date analysed	-	12/07/2023	12/07/2023	12/07/2023	12/07/2023	12/07/2023
Total Suspended Solids	mg/L	[NA]	[NA]	24	7	<5
Total Nitrogen in water	mg/L	0.2	0.3	8.3	0.6	<0.1
Phosphate as P in water	mg/L	0.03	<0.005	0.02	<0.005	<0.005
Chlorophyll a	mg/m^3	[NA]	[NA]	2	4	<1

Miscellaneous Inorganics					
Our Reference		327756-11	327756-12	327756-13	327756-14
Your Reference	UNITS	3365/SW207	3365/SW210	3365/SW211	3365/GWDUP01
Date Sampled		10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023
Type of sample		Water	Water	Water	Water
Date prepared	-	12/07/2023	12/07/2023	12/07/2023	12/07/2023
Date analysed	-	12/07/2023	12/07/2023	12/07/2023	12/07/2023
Total Suspended Solids	mg/L	<5	<5	9	[NA]
Total Nitrogen in water	mg/L	0.1	<0.1	<0.1	[NA]
Phosphate as P in water	mg/L	<0.005	<0.005	0.063	[NA]
Chlorophyll a	mg/m^3	5	<1	<1	[NA]
pH	pH Units	[NA]	[NA]	[NA]	6.6
Electrical Conductivity	µS/cm	[NA]	[NA]	[NA]	1,500

Microbiologocal Testing						
Our Reference		327756-1	327756-2	327756-3	327756-4	327756-5
Your Reference	UNITS	3365/GW201	3365/GW202	3365/GW203	3365/GW204	3365/GW205
Date Sampled		10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	13/07/2023	13/07/2023	13/07/2023	13/07/2023	13/07/2023
Faecal Coliforms	cfu/100mL	<18 MPN/100mL	<18 MPN/100mL	<18 MPN/100mL	10	<18 MPN/100mL

Microbiologocal Testing						
Our Reference		327756-6	327756-7	327756-8	327756-9	327756-10
Your Reference	UNITS	3365/GW206	3365/GW207	3365/SW101	3355/SW102	3365/SW205
Date Sampled		10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	13/07/2023	13/07/2023	13/07/2023	13/07/2023	13/07/2023
E. coli	cfu/100mL	[NA]	[NA]	330 MPN/100mL	<18 MPN/100mL	1^A
Faecal Coliforms	cfu/100mL	<18 MPN/100mL	10	330 MPN/100mL	<18 MPN/100mL	1^A

Microbiologocal Testing				
Our Reference		327756-11	327756-12	327756-13
Your Reference	UNITS	3365/SW207	3365/SW210	3365/SW211
Date Sampled		10/07/2023-12/07/2023	10/07/2023-12/07/2023	10/07/2023-12/07/2023
Type of sample		Water	Water	Water
Date of testing	-	13/07/2023	13/07/2023	13/07/2023
E. coli	cfu/100mL	<1	<1	1^A
Faecal Coliforms	cfu/100mL	<1	<1	1^A

Method ID	Methodology Summary
Ext-008	Subcontracted to Sonic Food & Water Testing. NATA Accreditation No. 4034.
Inorg-001	pH - Measured using pH meter and electrode in accordance with APHA latest edition, 4500-H+. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.
Inorg-002	Conductivity and Salinity - measured using a conductivity cell at 25°C in accordance with APHA latest edition 2510 and Rayment & Lyons.
Inorg-019	Suspended Solids - determined gravimetricially by filtration of the sample. The samples are dried at 104+/-5°C.
Inorg-055/062/127	Total Nitrogen - Calculation sum of TKN and oxidised Nitrogen. Alternatively analysed by combustion and chemiluminescence.
Inorg-060	Phosphate determined colourimetrically based on EPA365.1 and APHA latest edition 4500 P E. Waters samples are filtered on receipt prior to analysis. Soils are analysed following a water extraction.
INORG-119	Chlorophyll A based on APHA 10200 H latest edition.
Metals-020	Determination of various metals by ICP-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Metals-022	Determination of various metals by ICP-MS. Please note for Bromine and Iodine, any forms of these elements that are present are included together in the one result reported for each of these two elements.
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-021	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	[NT]
Date extracted	-			12/07/2023	8	12/07/2023	12/07/2023		12/07/2023	[NT]
Date analysed	-			12/07/2023	8	12/07/2023	12/07/2023		12/07/2023	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	<10	8	<10	<10	0	95	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	<10	8	<10	<10	0	95	[NT]
Surrogate Dibromofluoromethane	%		Org-023	101	8	96	101	5	95	[NT]
Surrogate toluene-d8	%		Org-023	100	8	92	100	8	100	[NT]
Surrogate 4-BFB	%		Org-023	100	8	105	101	4	99	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			16/07/2023	8	16/07/2023	16/07/2023		16/07/2023	[NT]
Date analysed	-			16/07/2023	8	17/07/2023	17/07/2023		16/07/2023	[NT]
TRH C_{10} - C_{14}	µg/L	50	Org-020	<50	8	<50	<50	0	95	[NT]
TRH C_{15} - C_{28}	µg/L	100	Org-020	<100	8	170	230	30	95	[NT]
TRH C_{29} - C_{36}	µg/L	100	Org-020	<100	8	<100	<100	0	100	[NT]
TRH >C_{10} - C_{16}	µg/L	50	Org-020	<50	8	<50	<50	0	95	[NT]
TRH >C_{16} - C_{34}	µg/L	100	Org-020	<100	8	190	260	31	95	[NT]
TRH >C_{34} - C_{40}	µg/L	100	Org-020	<100	8	<100	<100	0	100	[NT]
Surrogate o-Terphenyl	%		Org-020	89	8	64	62	3	70	[NT]

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	327756-9
Date extracted	-			16/07/2023	8	16/07/2023	16/07/2023		16/07/2023	16/07/2023
Date analysed	-			16/07/2023	8	16/07/2023	16/07/2023		16/07/2023	16/07/2023
Naphthalene	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	79	74
Acenaphthylene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	77	72
Fluorene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	72	67
Phenanthrene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	71	69
Anthracene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	70	68
Pyrene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	72	69
Benzo(a)anthracene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	70	68
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	77	64
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	78	8	71	69	3	79	112

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	327756-9
Date extracted	-			16/07/2023	8	16/07/2023	16/07/2023		16/07/2023	16/07/2023
Date analysed	-			16/07/2023	8	16/07/2023	16/07/2023		16/07/2023	16/07/2023
alpha-BHC	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	102	82
HCB	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	102	83
gamma-BHC	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	116	81
delta-BHC	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	104	80
Heptachlor Epoxide	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	101	78
gamma-Chlordane	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	118	87
Dieldrin	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	123	96
Endrin	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	82	87
Endosulfan II	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	74	78
Endrin Aldehyde	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	99	80
Methoxychlor	µg/L	0.2	Org-022/025	<0.2	8	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	74	8	69	67	3	112	65

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	327756-9
Date extracted	-			16/07/2023	8	16/07/2023	16/07/2023		16/07/2023	16/07/2023
Date analysed	-			16/07/2023	8	16/07/2023	16/07/2023		16/07/2023	16/07/2023
Aroclor 1016	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	<2	8	<2	<2	0	70	62
Aroclor 1260	µg/L	2	Org-021	<2	8	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	74	8	69	67	3	78	113

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W5	327756-9
Date prepared	-			14/07/2023	8	14/07/2023	14/07/2023		14/07/2023	14/07/2023
Date analysed	-			14/07/2023	8	14/07/2023	14/07/2023		14/07/2023	14/07/2023
Aluminium-Total	µg/L	10	Metals-022	<10	8	360	[NT]		89	#
Arsenic-Total	µg/L	1	Metals-022	<1	8	2	[NT]		100	95
Chromium-Total	µg/L	1	Metals-022	<1	8	1	[NT]		99	106
Copper-Total	µg/L	1	Metals-022	<1	8	3	[NT]		94	103
Iron-Total	µg/L	10	Metals-022	<10	8	2000	[NT]		101	#
Mercury-Total	µg/L	0.05	Metals-021	<0.05	8	<0.05	<0.05	0	103	97
Lead-Total	µg/L	1	Metals-022	<1	8	<1	[NT]		100	98
Selenium-Total	µg/L	1	Metals-022	<1	8	<1	[NT]		104	95
Zinc-Total	µg/L	1	Metals-022	<1	8	12	[NT]		104	104

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	12	14/07/2023	14/07/2023		[NT]	[NT]
Date analysed	-			[NT]	12	14/07/2023	14/07/2023		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	12	70	70	0	[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	12	<2	<2	0	[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	12	<2	<2	0	[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	12	<2	<2	0	[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	12	110	120	9	[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	12	<0.05	[NT]		[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	12	<2	<2	0	[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	12	<2	<2	0	[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	12	5	2	86	[NT]	[NT]

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	327756-2
Date prepared	-			14/07/2023	1	14/07/2023	14/07/2023		14/07/2023	14/07/2023
Date analysed	-			14/07/2023	1	14/07/2023	14/07/2023		14/07/2023	14/07/2023
Phosphorus - Total	mg/L	0.05	Metals-020	<0.05	1	0.07	0.06	15	95	101

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	12	14/07/2023	14/07/2023		[NT]	[NT]
Date analysed	-			[NT]	12	14/07/2023	14/07/2023		[NT]	[NT]
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	12	<0.05	<0.05	0	[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	327756-2
Date prepared	-			12/07/2023	1	12/07/2023	12/07/2023		12/07/2023	12/07/2023
Date analysed	-			12/07/2023	1	12/07/2023	12/07/2023		12/07/2023	12/07/2023
Total Suspended Solids	mg/L	5	Inorg-019	<5	8	24	25	4	83	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	<0.1	1	<0.1	<0.1	0	96	93
Phosphate as P in water	mg/L	0.005	Inorg-060	<0.005	1	<0.005	<0.005	0	115	82
Chlorophyll a	mg/m^3	1	INORG-119	<1	8	2	[NT]		112	[NT]
pH	pH Units		Inorg-001	[NT]	[NT]	[NT]	[NT]	[NT]	100	[NT]
Electrical Conductivity	µS/cm	1	Inorg-002	<1	[NT]	[NT]	[NT]	[NT]	100	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	8	12/07/2023	12/07/2023		[NT]	[NT]
Date analysed	-			[NT]	8	12/07/2023	12/07/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	8	8.3	[NT]		[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	8	0.02	[NT]		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	11	<5	[NT]		[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	11	5	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	11	12/07/2023	12/07/2023		[NT]	[NT]
Date analysed	-			[NT]	11	12/07/2023	12/07/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	11	0.1	0.1	0	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	11	<0.005	<0.005	0	[NT]	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

The recommended maximums for analytes in urine are taken from “2018 TLVs and BEIs”, as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016.

Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Where matrix spike recoveries fall below the lower limit of the acceptance criteria (e.g. for non-labile or standard Organics <60%), positive result(s) in the parent sample will subsequently have a higher than typical estimated uncertainty (MU estimates supplied on request) and in these circumstances the sample result is likely biased significantly low.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Report Comments

All metals in water - total:
- # Percent recovery is not applicable due to the high concentration of the element/s in the sample/s. However an acceptable recovery was obtained for the LCS.
- The PQL has been raised 2 times for samples #10-13 and #16 due to suppression of the internal standard, which required the samples to be diluted.
This is likely due to the high level of salts in the sample.

Microbiology analysed by Sonic Food & Water Testing. Report No. W2316176-179
^ The stated result may be statistically unreliable
A: Approximate
The time between collection and the commencement of testing should not exceed 24 hours. Samples tested outside this time may have their results compromised

Lab Document Event 8

Envirolab Services Pty Ltd
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12 Ashley St Chatswood NSW 2067
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customerservice@envirolab.com.au
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SAMPLE RECEIPT ADVICE

Client Details

Client	Martens & Associates Pty Ltd
Attention	Trystan Richards

Sample Login Details

Your reference	P1203365 – Water Sampling, West Culburra, NSW
Envirolab Reference	327756
Date Sample Received	12/07/2023
Date Instructions Received	12/07/2023
Date Results Expected to be Reported	19/07/2023

Sample Condition

Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	16 Water
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	3
Cooling Method	Ice
Sampling Date Provided	YES

Comments

Nil

Please direct any queries to:

Aileen Hie	Jacinta Hurst
Phone: 02 9910 6200	**Phone: 02 9910 6200**
Fax: 02 9910 6201	**Fax: 02 9910 6201**
Email: ahie@envirolab.com.au	**Email: jhurst@envirolab.com.au**

Analysis Underway, details on the following page:

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

Sample ID	vTRH in Water (C6-C9) NEPM	svTRH (C10-C40) in Water	PAHs in Water	Organochlorine Pesticides in Water	PCBs in Water	All metals in water - total	Metals in Waters -Acid extractable	Total Suspended Solids	Total Nitrogen in water	Phosphate as P in water	Chlorophyll a	pH	Electrical Conductivity	Microbiologocal Testing
3365/GW201							✓		✓	✓				✓
3365/GW202							✓		✓	✓				✓
3365/GW203							✓		✓	✓				✓
3365/GW204							✓		✓	✓				✓
3365/GW205							✓		✓	✓				✓
3365/GW206							✓		✓	✓				✓
3365/GW207							✓		✓	✓				✓
3365/SW101	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3355/SW102	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW205	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW207	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW210	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW211	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/GWDUP01												✓	✓	
3365/DUP01						✓								
3365/DUP02						✓								

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.
Requests for longer term sample storage must be received in writing.
Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.
TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

COC 12/7 13:01

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SAMPLE ANALYSIS CHAIN OF CUSTODY FORM

WEST CULBURRA – ENVIROLAB QUOTATION – 22SY375_B0												
Name	P1203365 – Water Sampling, West Culburra, NSW											
Martens Contact Officer	Trystan Richards					**Contact Email**	trichards@martens.com.au					
Sampling and Shipping	**Sample Date**	10 to 12.07.2023	**Dispatch Date**		12.07.2023	**Turnaround Time**		Standard				
	Our Reference	P1203365COC28V01				**Shipping Method (X)**	**Hand**	X	**Post**		**Courier**	
	On Ice (X)	X	**No Ice (X)**		**Other (X)**							
Laboratory												
Name	Envirolab Services P/L											
Sample Delivery Address	12 Ashley St, Chatswood											
Delivery Contact	**Name**	Sample Receipt	**Phone**	02 9910 6200	**Fax**		**Email**	samplereceipt@envirolabservices.com.au				
Please Send Report By (X)	**Post**		**Fax**		**Email**	X	**Reporting Email Address**	trichards@martens.com.au, bmonaghan@martens.com.au and CC ANorris@martens.com.au				

	Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN. TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP
1	3365/GW201						X
2	3365/GW202						X
3	3365/GW203						X
4	3365/GW204						X
5	3365/GW205						X
6	3365/GW206						X
7	3365/GW207						X
8	3365/SW101	X	X	X	X		
9	3355/SW102	x	x	x	x		

ENVIROLAB group

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200

Job No: 327756
Date Received: 12/7
Time Received: 10:30
Received By: SD
Temp: Cool/Ambient
Cooling: Ice/Icepack 3.6
Security: Intact/Broken/None

Head Office
Suite 201, 20 George Street
Hornsby NSW 2077, Australia
Ph 02 9476 9999 **Fax** 02 9476 8767

> mail@martens.com.au
> www.martens.com.au
MARTENS & ASSOCIATES P/L
ABN 85 070 240 890 ACN 070 240 890

SOIL ANALYSIS CHAIN OF CUSTODY

Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN. TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
10 3365/SW205	X	X	X	X			
11 3365/SW207	X	X	X	X			
12 3365/SW210	X	X	X	X			
13 3365/SW211	X	X	X	X			
14 3365/GWDUP01				.	X		
15 3365/DUP01	X						
16 3365/DUP02	X						

Field Sheet Event 8

WATER SAMPLING FORM - Estuary Surface Water

martens consulting engineers since 1989

PROJECT INFORMATION

PROJECT NUMBER: 3365 | MONTHLY / BIMONTHLY: Monthly (Event 8) | SAMPLED BY: TR + BTM

CLIENT: Sealark Pty Ltd | WET WEATHER (Y/N): N | ROLE: sampler / engineer

SITE LOCATION: Culburra | DATE: 11 / 07 / 2023 | SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (% Sat)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
205a **Shallow**	14:08	E: 293605.3597 N: 6133080.442	WQ Meter	13.3	8.11	165.2	107.8	31.01	47662	10.35	Sediment disdurbed while sampling due to shallow No sheen, no odour, Y Sample collected
205b **Deep**	14:08	E: 293605.3597 N: 6133080.442	WQ Meter	13.3	8.12	163.8	106.5	31.03	47679	8.96	Sediment disdurbed, while sampling due to shallow No sheen, no odour
205c **Shallow**	14:08	E: 293605.3597 N: 6133080.442	WQ Meter	13.3	8.12	164.0	105.2	31.04	47703	7.22	translucent, no sheen or odour
205d **Deep**	14:08	E: 293605.3597 N: 6133080.442	WQ Meter	13.3	8.12	162.9	107.3	31.05	47707	1.77	translucent, no sheen or odour
207a **Shallow**	14:26	E: 293605.3597 N: 6133080.442	WQ Meter	13.4	7.83	273.3	104.4	30.83	47404	1.53	Translucent, no sheen, no odour, DUP 02, Y Sample collected
207b **Deep**	14:26	E: 293605.3597 N: 6133080.442	WQ Meter	13.4	7.97	236.0	106.5	30.83	47407	4.38	Translucent, no sheen, no odour.
207c **Shallow**	14:26	E: 293605.3597 N: 6133080.442	WQ Meter	13.4	7.95	242.9	106.4	30.83	47403	1.58	Translucent, no sheen, no odour
207d **Deep**	14:26	E: 293605.3597 N: 6133080.442	WQ Meter	13.4	8.0	226.2	104.2	30.88	47467	4.28	Translucent, no sheen, no odour.
210a **Shallow**	14:45	E: 294591.1553 N: 6132850.486	WQ Meter	12.7	8.15	195.6	107.2	30.57	48456	2.58	Translucent, no sheen, no odour. Y Sample collected

Sample bottle codes: P-plastic, G - glass, V - vial Preservation Codes - U - unpreserved, S -sulfuric acid, N - nitric acid, H - hydrochloric acid

WATER SAMPLING FORM - Estuary Surface Water

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PROJECT INFORMATION

PROJECT NUMBER: 3365 | MONTHLY / BIMONTHLY: Monthly (Event 8) | SAMPLED BY: TR + BTM

CLIENT: Sealark Pty Ltd | WET WEATHER (Y/N): N | ROLE: sampler / engineer

SITE LOCATION: Culburra | DATE:10 - 12 / 07 / 2023 | SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (% Sat)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
210b **Deep**	14:45	E: 294591.1553 N: 6132850.486	WQ Meter	12.8	8.18	184.7	111.3	32.18	49297	4.35	Translucent, no sheen, no odour.
210c **Shallow**	14:45	E: 294591.1553 N: 6132850.486	WQ Meter	12.8	8.16	190.9	108.4	31.61	48512	8.66	Translucent, no sheen, no odour
210d **Deep**	14:45	E: 294591.1553 N: 6132850.486	WQ Meter	12.8	8.18	182.8	112.9	31.98	49028	5.54	Translucent, no sheen, no odour.
211a **Shallow**	14:50	E: 294994.521 N: 6132922.111	WQ Meter	13.6	8.08	168.5	107.9	32.61	49845	5.62	Slightly turbid, no sheen, no odour. Y Sample collected
211b **Deep**	14:50	E: 294994.521 N: 6132922.111	WQ Meter	13.7	8.07	166.8	112.9	32.65	49894	11.05	Slightly turbid, no sheen, no odour.
211c **Shallow**	14:50	E: 294994.521 N: 6132922.111	WQ Meter	13.6	8.08	167.2	110.2	32.62	49861	7.07	Slightly turbid, no sheen, no odour.
211d **Deep**	14:50	E: 294994.521 N: 6132922.111	WQ Meter	13.7	8.08	166.3	113.4	32.65	49890	7.17	Slightly turbid, no sheen, no odour.

Sample bottle codes: P-plastic, G - glass, V - vial Preservation Codes - U - unpreserved, S -sulfuric acid, N - nitric acid, H - hydrochloric acid

WQ calibration certificate Event 8

Multi Parameter Water Meter

Instrument YSI Pro DSS
Serial No. 21B104422

Air-Met Scientific Pty Ltd
1300 137 067

Item	Test	Pass	Comments
Battery	Charge Condition	✓	
	Fuses	✓	
	Capacity	✓	
	Recharge OK?	✓	
Switch/keypad	Operation	✓	
Display	Intensity	✓	
	Operation (segments)	✓	
Grill Filter	Condition	✓	
	Seal	✓	
PCB	Condition	✓	
Connectors	Condition	✓	
Sensor	1. pH/ORP	✓	
	2. Turbidity	✓	
	3. Conductivity	✓	
	4. D.O	✓	
	5. Temp	✓	
	6. Depth	✓	
Alarms	Beeper		
	Settings		
Software	Version		
Data logger	Operation		
Download	Operation		
Other tests:			

Certificate of Calibration

This is to certify that the above instrument has been calibrated to the following specifications:

Sensor	Serial no	Standard Solutions	Certified	Solution Bottle Number	Instrument Reading
1. EC		2760uS/cm		401089	2753uS/cm
2. Temp		20.1°C		Instrument Temp	20.1°C
3. pH 4		pH 4.00		399527	pH 4.04
4. pH 7		pH 7.00		399304	pH 7.04
5. DO		0.0%		399958	-0.4%
6.Turbidity		100 NTU		402593	100.9NTU
7. ORP		239.78mV		A393379/B398193	239.3mV

Calibrated by: **Jesse Stenroos**

Calibration date: **05/07/2023**

Next calibration due: **04/08/2023**

Appendix S – Event 9 Data

Table 53: Estuary surface water - laboratory data event 9

		TRH					Biological			Halogenated Benzenes	Inorganics				Metals								
		C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)	Aluminium	Arsenic	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
		µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL		10	50	100	100	50	1	1	0.001	0.2	0.1	0.05	0.005	5	0.01	0.001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Date**																						
SW205	**30 Aug 2023**	<10	<50	<100	<100	<50	5A	5A	0.001	<0.2	0.1	<0.1	<0.005	12	0.22	0.002	0.001	<0.001	0.54	<0.001	<0.00005	<0.001	0.003
SW207	**30 Aug 2023**	<10	<50	<100	<100	<50	1^A	1^A	<0.001	<0.2	0.1	<0.1	<0.005	14	0.06	0.001	<0.001	<0.001	0.13	<0.001	<0.00005	<0.001	0.002
SW210	**30 Aug 2023**	<10	<50	<100	<100	<50	8A	8A	<0.001	<0.2	0.1	<0.1	<0.005	20	0.22	0.002	0.001	0.001	0.61	<0.001	<0.00005	<0.001	0.004
SW211	**30 Aug 2023**	<10	<50	<100	<100	<50	1^A	1^A	<0.001	<0.2	0.2	<0.1	<0.005	18	0.24	0.002	0.001	0.001	0.51	<0.001	<0.00005	<0.001	0.005
Statistics																							
Number of Results		**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**4**	**0**	**0**	**4**	**4**	**4**	**3**	**2**	**4**	**0**	**0**	**0**	**4**
Minimum Concentration		**<10**	**<50**	**<100**	**<100**	**<50**	**<1**	**<1**	**0.001**	**<0.2**	**0.1**	**<0.1**	**<0.005**	**12**	**0.06**	**0.001**	**0.001**	**0.001**	**0.13**	**<0.001**	**<0.00005**	**<0.001**	**0.002**
Maximum Concentration		**<10**	**<50**	**<100**	**<100**	**<50**	**<1**	**<1**	**0.001**	**<0.2**	**0.2**	**<0.1**	**<0.005**	**20**	**0.24**	**0.002**	**0.001**	**0.001**	**0.61**	**<0.001**	**<0.00005**	**<0.001**	**0.005**
Average Concentration *		**10**	**50**	**100**	**100**	**50**	**0.001**	**0.001**	**0.001**	**0.2**	**0.12**	**0.1**	**0.005**	**16**	**0.18**	**0.0018**	**0.001**	**0.001**	**0.45**	**0.001**	**0.00005**	**0.001**	**0.0035**
Median Concentration *		**10**	**50**	**100**	**100**	**50**	**0.001**	**0.001**	**0.001**	**0.2**	**0.1**	**0.1**	**0.005**	**16**	**0.22**	**0.002**	**0.001**	**0.001**	**0.525**	**0.001**	**0.00005**	**0.001**	**0.0035**

* A Non Detect Multiplier of 1 has been applied.

		Organochlorine Pesticides																		
		4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Date**																			
SW205	**30 Aug 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**30 Aug 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**30 Aug 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**30 Aug 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Statistics																				
Number of Results		**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Maximum Concentration		**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Average Concentration *		**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**
Median Concentration *		**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

* A Non Detect Multiplier of 1 has been applied.

		PAH																
		Benzo(b+j+k)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
		mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL		0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0005	0.0001
Location Code	**Date**																	
SW205	**30 Aug 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW207	**30 Aug 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW210	**30 Aug 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW211	**30 Aug 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
Statistics																		
Number of Results		**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Maximum Concentration		**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Average Concentration *		**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.0005**	**0.0001**
Median Concentration *		**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.0005**	**0.0001**

* A Non Detect Multiplier of 1 has been applied.

		PCBs							TPH				
		Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Date**												
SW205	**30 Aug 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	**30 Aug 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	**30 Aug 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	**30 Aug 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
Statistics													
Number of Results		**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Maximum Concentration		**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Average Concentration *		**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**100**	**100**	**50**
Median Concentration *		**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**100**	**100**	**50**

* A Non Detect Multiplier of 1 has been applied.

Table 54: Estuary surface water – water quality data event 9

Sampling Site ID	Shallow / Deep[1]	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (% Sat)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)
205a	S	16.3	7.94	165.7	87.1	31.17	47779	2.92
205b	D	16.3	7.93	162.3	84.1	31.15	47750	96.24
207a	S	16.2	7.93	159.5	87.0	30.77	47235	3.45
207b	D	16.3	7.93	156.4	84.7	30.88	47383	4.02
210a	S	16.0	7.90	126.2	78.8	31.66	48461	5.70
210b	D	16.0	7.89	126.6	76.7	31.74	48569	88.77
211a	S	15.5	9.70	6.1	76.8	31.46	48201	9.24
211b	D	15.5	7.92	103.0	74.7	31.46	48196	232.62

[1]Shallow (S) indicates water quality taken from top of water column. Deep (D) indicates water quality taken from below of the water column.

Table 55: Estuary surface water – water quality data event 9 statistical summary

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (% Sat)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)
min	15.5	7.89	6.1	74.7	30.77	47235	2.92
max	16.3	9.70	165.7	87.1	31.74	48569	232.62
mean	16.0	8.14	125.7	81.2	31.29	47947	55.37
median	16.1	7.93	141.5	81.5	31.32	47987	7.47
range	0.8	1.81	159.6	12.4	0.97	1334	229.70

Appendix T – Event 9 Documents

Lab Report Event 9

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

CERTIFICATE OF ANALYSIS 331844

Client Details

Client	Martens & Associates Pty Ltd
Attention	Bryson Monaghan
Address	Suite 201, 20 George St, Hornsby, NSW, 2077

Sample Details

Your Reference	**P1203365 – Water Sampling, West Culburra, NSW**
Number of Samples	16 Water
Date samples received	31/08/2023
Date completed instructions received	31/08/2023

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	07/09/2023
Date of Issue	07/09/2023

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Results Approved By
Diana Korniewicz, Chemist
Greta Petzold, Operation Manager
Liam Timmins, Organics Supervisor
Loren Bardwell, Development Chemist
Priya Samarawickrama, Senior Chemist
Tim Toll, Chemist

Authorised By
Nancy Zhang, Laboratory Manager

vTRH in Water (C6-C9) NEPM						
Our Reference		331844-7	331844-8	331844-9	331844-10	331844-11
Your Reference	UNITS	3365/SW101	3355/SW102	3355/SW103	3365/SW205	3365/SW207
Date Sampled		29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	31/08/2023	31/08/2023	31/08/2023	31/08/2023	31/08/2023
Date analysed	-	04/09/2023	04/09/2023	04/09/2023	04/09/2023	04/09/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	101	103	102	105	105
Surrogate Toluene-d8	%	97	97	97	98	98
Surrogate 4-Bromofluorobenzene	%	105	105	102	104	105

vTRH in Water (C6-C9) NEPM			
Our Reference		331844-12	331844-13
Your Reference	UNITS	3365/SW210	3365/SW211
Date Sampled		29/08/23-31/08/23	29/08/23-31/08/23
Type of sample		Water	Water
Date extracted	-	31/08/2023	31/08/2023
Date analysed	-	04/09/2023	04/09/2023
TRH C_6 - C_9	µg/L	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10
Surrogate Dibromofluoromethane	%	104	104
Surrogate Toluene-d8	%	97	97
Surrogate 4-Bromofluorobenzene	%	106	106

svTRH (C10-C40) in Water						
Our Reference		331844-7	331844-8	331844-9	331844-10	331844-11
Your Reference	UNITS	3365/SW101	3355/SW102	3355/SW103	3365/SW205	3365/SW207
Date Sampled		29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/09/2023	01/09/2023	01/09/2023	01/09/2023	01/09/2023
Date analysed	-	02/09/2023	02/09/2023	02/09/2023	02/09/2023	02/09/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	560	<100	140	<100	<100
TRH C_{29} - C_{36}	µg/L	100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	660	<50	140	<50	<50
TRH >C_{10} - C_{16}	µg/L	280	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	410	<100	130	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	680	<50	130	<50	<50
Surrogate o-Terphenyl	%	92	64	85	76	66

svTRH (C10-C40) in Water			
Our Reference		331844-12	331844-13
Your Reference	UNITS	3365/SW210	3365/SW211
Date Sampled		29/08/23-31/08/23	29/08/23-31/08/23
Type of sample		Water	Water
Date extracted	-	01/09/2023	01/09/2023
Date analysed	-	02/09/2023	02/09/2023
TRH C_{10} - C_{14}	µg/L	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50
Surrogate o-Terphenyl	%	92	70

PAHs in Water						
Our Reference		331844-7	331844-8	331844-9	331844-10	331844-11
Your Reference	UNITS	3365/SW101	3355/SW102	3355/SW103	3365/SW205	3365/SW207
Date Sampled		29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/09/2023	01/09/2023	01/09/2023	01/09/2023	01/09/2023
Date analysed	-	04/09/2023	04/09/2023	04/09/2023	04/09/2023	04/09/2023
Naphthalene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	88	64	61	78	72

PAHs in Water			
Our Reference		331844-12	331844-13
Your Reference	UNITS	3365/SW210	3365/SW211
Date Sampled		29/08/23-31/08/23	29/08/23-31/08/23
Type of sample		Water	Water
Date extracted	-	01/09/2023	01/09/2023
Date analysed	-	04/09/2023	01/09/2023
Naphthalene	µg/L	<0.2	<0.2
Acenaphthylene	µg/L	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	69	78

Organochlorine Pesticides in Water						
Our Reference		331844-7	331844-8	331844-9	331844-10	331844-11
Your Reference	UNITS	3365/SW101	3355/SW102	3355/SW103	3365/SW205	3365/SW207
Date Sampled		29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/09/2023	01/09/2023	01/09/2023	01/09/2023	01/09/2023
Date analysed	-	04/09/2023	04/09/2023	04/09/2023	04/09/2023	04/09/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	89	65	66	84	77

Organochlorine Pesticides in Water			
Our Reference		331844-12	331844-13
Your Reference	UNITS	3365/SW210	3365/SW211
Date Sampled		29/08/23-31/08/23	29/08/23-31/08/23
Type of sample		Water	Water
Date extracted	-	01/09/2023	01/09/2023
Date analysed	-	04/09/2023	01/09/2023
alpha-BHC	µg/L	<0.2	<0.2
HCB	µg/L	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2
Surrogate TCMX	%	105	82

PCBs in Water						
Our Reference		331844-7	331844-8	331844-9	331844-10	331844-11
Your Reference	UNITS	3365/SW101	3355/SW102	3355/SW103	3365/SW205	3365/SW207
Date Sampled		29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	01/09/2023	01/09/2023	01/09/2023	01/09/2023	01/09/2023
Date analysed	-	04/09/2023	04/09/2023	04/09/2023	04/09/2023	04/09/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	89	65	66	84	77

PCBs in Water			
Our Reference		331844-12	331844-13
Your Reference	UNITS	3365/SW210	3365/SW211
Date Sampled		29/08/23-31/08/23	29/08/23-31/08/23
Type of sample		Water	Water
Date extracted	-	01/09/2023	01/09/2023
Date analysed	-	04/09/2023	01/09/2023
Aroclor 1016	µg/L	<2	<2
Aroclor 1221	µg/L	<2	<2
Aroclor 1232	µg/L	<2	<2
Aroclor 1242	µg/L	<2	<2
Aroclor 1248	µg/L	<2	<2
Aroclor 1254	µg/L	<2	<2
Aroclor 1260	µg/L	<2	<2
Surrogate TCMX	%	105	82

All metals in water - total						
Our Reference		331844-7	331844-8	331844-9	331844-10	331844-11
Your Reference	UNITS	3365/SW101	3355/SW102	3355/SW103	3365/SW205	3365/SW207
Date Sampled		29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	01/09/2023	01/09/2023	01/09/2023	01/09/2023	01/09/2023
Date analysed	-	01/09/2023	01/09/2023	01/09/2023	01/09/2023	01/09/2023
Aluminium-Total	µg/L	250	420	210	220	60
Arsenic-Total	µg/L	2	<1	<1	2	1
Chromium-Total	µg/L	1	<1	<1	1	<1
Copper-Total	µg/L	5	4	14	<1	<1
Iron-Total	µg/L	2,500	200	270	540	130
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	11	21	43	3	2

All metals in water - total					
Our Reference		331844-12	331844-13	331844-15	331844-16
Your Reference	UNITS	3365/SW210	3365/SW211	3365/DUP01	3365/DUP02
Date Sampled		29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23
Type of sample		Water	Water	Water	Water
Date prepared	-	01/09/2023	01/09/2023	01/09/2023	01/09/2023
Date analysed	-	01/09/2023	01/09/2023	01/09/2023	01/09/2023
Aluminium-Total	µg/L	220	240	1,400	130
Arsenic-Total	µg/L	2	2	<1	1
Chromium-Total	µg/L	1	1	2	1
Copper-Total	µg/L	1	1	30	13
Iron-Total	µg/L	610	510	2,200	300
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	4	<1
Selenium-Total	µg/L	<1	<1	<1	<1
Zinc-Total	µg/L	4	5	78	27

Metals in Waters - Acid extractable						
Our Reference		331844-1	331844-2	331844-3	331844-4	331844-5
Your Reference	UNITS	3365/GW201	3365/GW202	3365/GW203	3365/GW204	3365/GW206
Date Sampled		29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	01/09/2023	01/09/2023	01/09/2023	01/09/2023	01/09/2023
Date analysed	-	01/09/2023	01/09/2023	01/09/2023	01/09/2023	01/09/2023
Phosphorus - Total	mg/L	0.1	0.2	0.06	0.86	0.3

Metals in Waters - Acid extractable						
Our Reference		331844-6	331844-7	331844-8	331844-9	331844-10
Your Reference	UNITS	3365/GW207	3365/SW101	3355/SW102	3355/SW103	3365/SW205
Date Sampled		29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	01/09/2023	01/09/2023	01/09/2023	01/09/2023	01/09/2023
Date analysed	-	01/09/2023	01/09/2023	01/09/2023	01/09/2023	01/09/2023
Phosphorus - Total	mg/L	<0.05	0.78	0.05	<0.05	<0.1

Metals in Waters - Acid extractable				
Our Reference		331844-11	331844-12	331844-13
Your Reference	UNITS	3365/SW207	3365/SW210	3365/SW211
Date Sampled		29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23
Type of sample		Water	Water	Water
Date prepared	-	01/09/2023	01/09/2023	01/09/2023
Date analysed	-	01/09/2023	01/09/2023	01/09/2023
Phosphorus - Total	mg/L	<0.1	<0.1	<0.1

Miscellaneous Inorganics						
Our Reference		331844-1	331844-2	331844-3	331844-4	331844-5
Your Reference	UNITS	3365/GW201	3365/GW202	3365/GW203	3365/GW204	3365/GW206
Date Sampled		29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	01/09/2023	01/09/2023	01/09/2023	01/09/2023	01/09/2023
Date analysed	-	01/09/2023	01/09/2023	01/09/2023	01/09/2023	01/09/2023
Total Nitrogen in water	mg/L	0.2	<0.1	<0.1	<0.1	2.3
Phosphate as P in water	mg/L	<0.005	0.17	<0.005	<0.005	0.03

Miscellaneous Inorganics						
Our Reference		331844-6	331844-7	331844-8	331844-9	331844-10
Your Reference	UNITS	3365/GW207	3365/SW101	3355/SW102	3355/SW103	3365/SW205
Date Sampled		29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	01/09/2023	01/09/2023	01/09/2023	01/09/2023	01/09/2023
Date analysed	-	01/09/2023	01/09/2023	01/09/2023	01/09/2023	01/09/2023
Total Suspended Solids	mg/L	[NA]	22	12	16	12
Total Nitrogen in water	mg/L	0.3	11	0.8	1.8	0.1
Phosphate as P in water	mg/L	<0.005	0.33	<0.005	<0.005	<0.005
Chlorophyll a	mg/m^3	[NA]	<1	4	3	1

Miscellaneous Inorganics					
Our Reference		331844-11	331844-12	331844-13	331844-14
Your Reference	UNITS	3365/SW207	3365/SW210	3365/SW211	3365/GWDUP01
Date Sampled		29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23
Type of sample		Water	Water	Water	Water
Date prepared	-	01/09/2023	01/09/2023	01/09/2023	06/09/2023
Date analysed	-	01/09/2023	01/09/2023	01/09/2023	06/09/2023
Total Suspended Solids	mg/L	14	20	18	[NA]
Total Nitrogen in water	mg/L	0.1	0.1	0.2	[NA]
Phosphate as P in water	mg/L	<0.005	<0.005	<0.005	[NA]
Chlorophyll a	mg/m^3	<1	<1	<1	[NA]
pH	pH Units	[NA]	[NA]	[NA]	6.8
Electrical Conductivity	µS/cm	[NA]	[NA]	[NA]	7,200

Microbiologocal Testing						
Our Reference		331844-1	331844-2	331844-3	331844-4	331844-5
Your Reference	UNITS	3365/GW201	3365/GW202	3365/GW203	3365/GW204	3365/GW206
Date Sampled		29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	01/09/2023	01/09/2023	01/09/2023	01/09/2023	01/09/2023
Faecal Coliforms	cfu/100mL	<10	<10	<100	<18 mpn/100mL	<18 mpn/100mL

Microbiologocal Testing						
Our Reference		331844-6	331844-7	331844-8	331844-9	331844-10
Your Reference	UNITS	3365/GW207	3365/SW101	3355/SW102	3355/SW103	3365/SW205
Date Sampled		29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	01/09/2023	01/09/2023	01/09/2023	01/09/2023	01/09/2023
E. coli	cfu/100mL	[NA]	<100	<1	<10	5A
Faecal Coliforms	cfu/100mL	<18 mpn/100mL	<100	<1	<10	5A

Microbiologocal Testing				
Our Reference		331844-11	331844-12	331844-13
Your Reference	UNITS	3365/SW207	3365/SW210	3365/SW211
Date Sampled		29/08/23-31/08/23	29/08/23-31/08/23	29/08/23-31/08/23
Type of sample		Water	Water	Water
Date of testing	-	01/09/2023	01/09/2023	01/09/2023
E. coli	cfu/100mL	1^A	8A	1^A
Faecal Coliforms	cfu/100mL	1^A	8A	1^A

Method ID	Methodology Summary
Ext-008	Subcontracted to Sonic Food & Water Testing. NATA Accreditation No. 4034.
Inorg-001	pH - Measured using pH meter and electrode in accordance with APHA latest edition, 4500-H+. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.
Inorg-002	Conductivity and Salinity - measured using a conductivity cell at 25°C in accordance with APHA latest edition 2510 and Rayment & Lyons.
Inorg-019	Suspended Solids - determined gravimetricially by filtration of the sample. The samples are dried at 104+/-5°C.
Inorg-055/062/127	Total Nitrogen - Calculation sum of TKN and oxidised Nitrogen. Alternatively analysed by combustion and chemiluminescence.
Inorg-060	Phosphate determined colourimetrically based on EPA365.1 and APHA latest edition 4500 P E. Waters samples are filtered on receipt prior to analysis. Soils are analysed following a water extraction.
INORG-119	Chlorophyll A based on APHA 10200 H latest edition.
Metals-020	Determination of various metals by ICP-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Metals-022	Determination of various metals by ICP-MS. Please note for Bromine and Iodine, any forms of these elements that are present are included together in the one result reported for each of these two elements.
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-021	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	[NT]
Date extracted	-			31/08/2023	[NT]	[NT]	[NT]	[NT]	31/08/2023	[NT]
Date analysed	-			04/09/2023	[NT]	[NT]	[NT]	[NT]	04/09/2023	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	<10	[NT]	[NT]	[NT]	[NT]	105	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	<10	[NT]	[NT]	[NT]	[NT]	105	[NT]
Surrogate Dibromofluoromethane	%		Org-023	102	[NT]	[NT]	[NT]	[NT]	97	[NT]
Surrogate Toluene-d8	%		Org-023	98	[NT]	[NT]	[NT]	[NT]	100	[NT]
Surrogate 4-Bromofluorobenzene	%		Org-023	104	[NT]	[NT]	[NT]	[NT]	100	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	[NT]
Date extracted	-			01/09/2023	[NT]	[NT]	[NT]	[NT]	01/09/2023	[NT]
Date analysed	-			02/09/2023	[NT]	[NT]	[NT]	[NT]	02/09/2023	[NT]
TRH C_{10} - C_{14}	µg/L	50	Org-020	<50	[NT]	[NT]	[NT]	[NT]	103	[NT]
TRH C_{15} - C_{28}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	112	[NT]
TRH C_{29} - C_{36}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	100	[NT]
TRH >C_{10} - C_{16}	µg/L	50	Org-020	<50	[NT]	[NT]	[NT]	[NT]	103	[NT]
TRH >C_{16} - C_{34}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	112	[NT]
TRH >C_{34} - C_{40}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	100	[NT]
Surrogate o-Terphenyl	%		Org-020	79	[NT]	[NT]	[NT]	[NT]	75	[NT]

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	331844-8
Date extracted	-			01/09/2023	7	01/09/2023	01/09/2023		01/09/2023	01/09/2023
Date analysed	-			04/09/2023	7	04/09/2023	04/09/2023		04/09/2023	04/09/2023
Naphthalene	µg/L	0.1	Org-022/025	<0.2	7	<0.2	<0.2	0	83	81
Acenaphthylene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	91	92
Fluorene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	83	84
Phenanthrene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	83	84
Anthracene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	85	85
Pyrene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	88	88
Benzo(a)anthracene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	78	77
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	84	84
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	72	7	88	64	32	67	64

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	331844-8
Date extracted	-			01/09/2023	7	01/09/2023	01/09/2023		01/09/2023	01/09/2023
Date analysed	-			04/09/2023	7	04/09/2023	04/09/2023		04/09/2023	04/09/2023
alpha-BHC	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	91	92
HCB	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	87	89
gamma-BHC	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	82	83
delta-BHC	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	86	84
Heptachlor Epoxide	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	80	85
gamma-Chlordane	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	86	86
Dieldrin	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	88	83
Endrin	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	73	86
Endosulfan II	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	86	88
Endrin Aldehyde	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	82	86
Methoxychlor	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	110	7	89	61	37	75	71

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	331844-8
Date extracted	-			01/09/2023	7	01/09/2023	01/09/2023		01/09/2023	01/09/2023
Date analysed	-			04/09/2023	7	04/09/2023	04/09/2023		04/09/2023	04/09/2023
Aroclor 1016	µg/L	2	Org-021	<2	7	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	<2	7	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	<2	7	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	<2	7	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	<2	7	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	<2	7	<2	<2	0	90	90
Aroclor 1260	µg/L	2	Org-021	<2	7	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	110	7	89	62	36	75	71

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	331844-8
Date prepared	-			01/09/2023	7	01/09/2023	01/09/2023		01/09/2023	01/09/2023
Date analysed	-			01/09/2023	7	01/09/2023	01/09/2023		01/09/2023	01/09/2023
Aluminium-Total	µg/L	10	Metals-022	<10	7	250	240	4	93	#
Arsenic-Total	µg/L	1	Metals-022	<1	7	2	2	0	92	97
Chromium-Total	µg/L	1	Metals-022	<1	7	1	<1	0	92	99
Copper-Total	µg/L	1	Metals-022	<1	7	5	5	0	99	98
Iron-Total	µg/L	10	Metals-022	<10	7	2500	2500	0	92	#
Mercury-Total	µg/L	0.05	Metals-021	<0.05	7	<0.05	<0.05	0	91	89
Lead-Total	µg/L	1	Metals-022	<1	7	<1	<1	0	94	94
Selenium-Total	µg/L	1	Metals-022	<1	7	<1	<1	0	96	97
Zinc-Total	µg/L	1	Metals-022	<1	7	11	11	0	95	100

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	331844-2
Date prepared	-			01/09/2023	1	01/09/2023	01/09/2023		01/09/2023	01/09/2023
Date analysed	-			01/09/2023	1	01/09/2023	01/09/2023		01/09/2023	01/09/2023
Phosphorus - Total	mg/L	0.05	Metals-020	<0.05	1	0.1	0.09	11	106	112

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	11	01/09/2023	01/09/2023		[NT]	[NT]
Date analysed	-			[NT]	11	01/09/2023	01/09/2023		[NT]	[NT]
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	11	<0.1	<0.1	0	[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	331844-2
Date prepared	-			01/09/2023	1	01/09/2023	01/09/2023		01/09/2023	01/09/2023
Date analysed	-			01/09/2023	1	01/09/2023	01/09/2023		01/09/2023	01/09/2023
Total Suspended Solids	mg/L	5	Inorg-019	<5	11	14	[NT]		95	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	<0.1	1	0.2	[NT]		92	91
Phosphate as P in water	mg/L	0.005	Inorg-060	<0.005	1	<0.005	<0.005	0	86	#
Chlorophyll a	mg/m^3	1	INORG-119	<1	11	<1	[NT]		116	[NT]
pH	pH Units		Inorg-001	[NT]	[NT]	[NT]	[NT]	[NT]	99	[NT]
Electrical Conductivity	µS/cm	1	Inorg-002	<1	[NT]	[NT]	[NT]	[NT]	100	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	11	01/09/2023	01/09/2023		[NT]	[NT]
Date analysed	-			[NT]	11	01/09/2023	01/09/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	11	0.1	0.1	0	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	11	<0.005	<0.005	0	[NT]	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

The recommended maximums for analytes in urine are taken from “2018 TLVs and BEIs”, as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016.

Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Where matrix spike recoveries fall below the lower limit of the acceptance criteria (e.g. for non-labile or standard Organics <60%), positive result(s) in the parent sample will subsequently have a higher than typical estimated uncertainty (MU estimates supplied on request) and in these circumstances the sample result is likely biased significantly low.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Report Comments

All metals in water - total - # Percent recovery is not applicable due to the high concentration of the element/s in the sample/s. However an acceptable recovery was obtained for the LCS.

8 Metals in Waters - total - The PQLs for #10-13 have been raised 2 times due to suppression of the internal standard, which required the samples to be diluted. This is likely due to the high level of salts in the samples.

Phosphate in water - # Percent recovery is not applicable due to the high concentration of the element/s in the sample/s. However an acceptable recovery was obtained for the LCS.

Microbiology analysed by Sonic Food & Water Testing. Report No. W2320365 & W2320364 & W2320366
The time between collection and the commencement of testing should not exceed 24 hours. Samples tested outside this time may have their results compromised
^ the result is an estimated value: the analyte was detected at a level above the linear calibration range for said analyte(s).
A: Approximate

Lab Document Event 9

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

SAMPLE RECEIPT ADVICE

Client Details

Client	Martens & Associates Pty Ltd
Attention	Bryson Monaghan

Sample Login Details

Your reference	P1203365 – Water Sampling, West Culburra, NSW
Envirolab Reference	331844
Date Sample Received	31/08/2023
Date Instructions Received	31/08/2023
Date Results Expected to be Reported	07/09/2023

Sample Condition

Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	16 Water
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	8
Cooling Method	Ice
Sampling Date Provided	YES

Comments

Nil

Please direct any queries to:

Aileen Hie	Jacinta Hurst
Phone: 02 9910 6200	**Phone: 02 9910 6200**
Fax: 02 9910 6201	**Fax: 02 9910 6201**
Email: ahie@envirolab.com.au	**Email: jhurst@envirolab.com.au**

Analysis Underway, details on the following page:

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

Sample ID	vTRH in Water (C6-C9) NEPM	svTRH (C10-C40) in Water	PAHs in Water	Organochlorine Pesticides in Water	PCBs in Water	All metals in water - total	Metals in Waters -Acid extractable	Total Suspended Solids	Total Nitrogen in water	Phosphate as P in water	Chlorophyll a	pH	Electrical Conductivity	Microbiologocal Testing
3365/GW201							✓		✓	✓				✓
3365/GW202							✓		✓	✓				✓
3365/GW203							✓		✓	✓				✓
3365/GW204							✓		✓	✓				✓
3365/GW206							✓		✓	✓				✓
3365/GW207							✓		✓	✓				✓
3365/SW101	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3355/SW102	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3355/SW103	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW205	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW207	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW210	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW211	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/GWDUP01												✓	✓	
3365/DUP01						✓								
3365/DUP02						✓								

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.

Requests for longer term sample storage must be received in writing.

Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.

TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

martens
consulting engineers since 1989

ENVIROLAB
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200

Job No: 331844.
Date Received: 31/08/23
Time Received: 1130
Received By: GZ
Temp: Cool/Ambient
Cooling: Ice/Icepack
Security: Intact/Broken/None

COC: 31/8/23 1305

SAMPLE ANALYSIS CHAIN OF CUSTODY FORM

WEST CULBURRA – ENVIROLAB QUOTATION – 22SY375_B0

Name	P1203365 – Water Sampling, West Culburra, NSW											
Martens Contact Officer	Bryson Monaghan					**Contact Email**	bmonaghan@martens.com.au					
Sampling and Shipping	**Sample Date**	29 to 31.08.2023		**Dispatch Date**	31.08.2023	**Turnaround Time**	Standard					
	Our Reference	P1203365COC30V01				**Shipping Method (X)**	**Hand**	**X**	**Post**		**Courier**	
	On Ice (X)	**X**	**No Ice (X)**		**Other (X)**							

Laboratory

Name	Envirolab Services P/L							
Sample Delivery Address	12 Ashley St, Chatswood							
Delivery Contact	**Name**	Sample Receipt	**Phone**	02 9910 6200	**Fax**		**Email**	samplereceipt@envirolabservices.com.au
Please Send Report By (X)	**Post**		**Fax**		**Email**	X	**Reporting Email Address**	trichards@martens.com.au, bmonaghan@martens.com.au and CC ANorris@martens.com.au

	Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN. TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
1	3365/GW201						X	
2	3365/GW202						X	
3	3365/GW203						X	
4	3365/GW204						X	
5	3365/GW206						X	
6	3365/GW207						X	
7	3365/SW101	X	X	X	X			
8	3355/SW102	x	x	x	x			
9	3355/SW103	x	x	x	x			

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> www.martens.com.au
MARTENS & ASSOCIATES P/L
ABN 85 070 240 890 ACN 070 240 890

SOIL ANALYSIS CHAIN OF CUSTODY

	Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN. TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
10	3365/SW205	X	X	X	X			
11	3365/SW207	X	X	X	X			
12	3365/SW210	X	X	X	X			
13	3365/SW211	X	X	X	X			
14	3365/GWDUP01					X		
15	3365/DUP01	X						
16	3365/DUP02	X						

331844
31/08/23.
GZ

Field Sheet Event 9

WATER SAMPLING FORM - Estuary Surface Water

martens consulting engineers since 1989

PROJECT INFORMATION

PROJECT NUMBER: 3365

CLIENT: Sealark Pty Ltd

SITE LOCATION: Culburra

MONTHLY / BIMONTHLY: Monthly (Event 9)

WET WEATHER (Y/N): N

DATE: 30 / 08 / 2023

SAMPLED BY: TR + BTM

ROLE: sampler / engineer

SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (% Sat)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
205 **Shallow**	7:55	E: 293605.3597 N: 6133080.442	WQ Meter	16.3	7.94	165.7	87.1	31.17	47779	2.92	translucent, no sheen, no odour, Y Sample Collected.
205 **Deep**	7:55	E: 293605.3597 N: 6133080.442	WQ Meter	16.3	7.93	162.3	84.1	31.15	47750	96.24	translucent, no sheen, no odour.
207 **Shallow**	7:46	E: 293920.1357 N: 6133182.226	WQ Meter	16.2	7.93	159.5	87.0	30.77	47235	3.45	translucent, no sheen, no odour, Y Sample Collected.
207 **Deep**	7:46	E: 293920.1357 N: 6133182.226	WQ Meter	16.3	7.93	156.4	84.7	30.88	47383	4.02	translucent, no sheen, no odour.
210 **Shallow**	7:35	E: 294591.1553 N: 6132850.486	WQ Meter	16.0	7.9	126.2	78.8	31.66	48461	5.7	translucent, no sheen, no odour, Y Sample Collected
210 **Deep**	7:35	E: 294591.1553 N: 6132850.486	WQ Meter	16.0	7.89	126.6	76.7	31.74	48569	88.77	translucent, no sheen, no odour.
211 **Shallow**	7:25	E: 294994.521 N: 6132922.111	WQ Meter	15.5	9.7	6.1	76.8	31.46	48201	9.24	translucent, no sheen, no odour, Y Sample Collected, DUP02.
211 **Deep**	7:25	E: 294994.521 N: 6132922.111	WQ Meter	15.5	7.92	103	74.7	31.46	48196	232.62	translucent, no sheen, no odour

Sample bottle codes: P-plastic, G - glass, V - vial

Preservation Codes - U - unpreserved, S -sulfuric acid, N - nitric acid, H - hydrochloric acid

WQ calibration certificate Event 9

Multi Parameter Water Meter

Instrument YSI Pro DSS
Serial No. 21B104422

Air-Met Scientific Pty Ltd
1300 137 067

Item	Test	Pass	Comments
Battery	Charge Condition	✓	
	Fuses	✓	
	Capacity	✓	
	Recharge OK?	✓	
Switch/keypad	Operation	✓	
Display	Intensity	✓	
	Operation (segments)	✓	
Grill Filter	Condition	✓	
	Seal	✓	
PCB	Condition	✓	
Connectors	Condition	✓	
Sensor	1. pH/ORP	✓	
	2. Turbidity	✓	
	3. Conductivity	✓	
	4. D.O	✓	
	5. Temp	✓	
	6. Depth	✓	
Alarms	Beeper		
	Settings		
Software	Version		
Data logger	Operation		
Download	Operation		
Other tests:			

Certificate of Calibration

This is to certify that the above instrument has been calibrated to the following specifications:

Sensor	Serial no	Standard Solutions	Certified	Solution Bottle Number	Instrument Reading
1. EC		2760uS/cm		401089	2761 uS/cm
2. Temp		22.2 °C		Instrument Temp	22.1 °C
3. pH 4		pH 4.00		399527	pH 4.11
4. pH 7		pH 7.00		399304	pH 6.96
5. DO		0.0%		399958	-0.3%
6.Turbidity		100 NTU		402593	99.7 NTU
7. ORP		235.38 mV		A405006/B398193	235.4 mV

Calibrated by: **Guido Camera**

Calibration date: **23/08/2023**

Next calibration due: **22/09/2023**

Appendix U – Event 10 Data

Table 56: Surface water - laboratory data event 10

		TRH					Biological			Halogenated Benzenes	Inorganics				Metals								
		C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)	Aluminium	Arsenic	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
		µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL		10	50	100	100	50	1	1	0.001	0.2	0.1	0.05	0.005	5	0.01	0.001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Date**																						
SW302	**19 Sep 2023**	<10	180	120	<100	300	<1,000	<1,000	0.11	<0.2	1.4	0.1	<0.005	13	0.1	<0.001	<0.001	0.003	0.2	<0.001	<0.00005	<0.001	0.006
SW302	**19 Sep 2023**	<10	270	<100	<100	270	<1,000	<1,000	0.11	<0.2	1.2	0.07	<0.005	12	0.12	<0.001	<0.001	0.002	0.23	<0.001	<0.00005	<0.001	0.023
SW303	**19 Sep 2023**	<10	330	110	<100	440	<10	<10	0.002	<0.2	1.1	<0.05	<0.005	<5	0.04	0.002	<0.001	<0.001	0.19	<0.001	<0.00005	<0.001	0.008
SW303	**19 Sep 2023**	<10	62	<100	<100	60	<10	<10	0.002	<0.2	1.1	<0.05	<0.005	<5	0.08	0.002	<0.001	<0.001	0.24	<0.001	<0.00005	<0.001	0.006
SW304	**18 Sep 2023**	<10	320	<100	<100	320	20 MPN/100mL	18 MPN/100mL	0.005	<0.2	2.0	0.1	<0.005	120	1.7	<0.001	0.002	0.004	5.9	0.003	<0.00005	<0.001	0.013
SW304	**18 Sep 2023**	<100	340	<100	<100	340	18 MPN/100mL	18 MPN/100mL	0.005	<0.2	2.0	0.1	<0.005	150	1.4	<0.001	0.002	0.006	6.2	0.002	<0.00005	<0.001	0.014
SW305	**18 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.6	<0.05	<0.005	<5	0.03	0.001	<0.001	<0.001	0.08	<0.001	<0.00005	<0.001	0.008
SW305	**18 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.6	<0.05	<0.005	<5	0.03	0.001	<0.001	<0.001	0.09	<0.001	<0.00005	<0.001	0.002
SW306	**18 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	0.003	<0.2	1.0	0.06	<0.005	20	0.19	0.003	<0.001	<0.001	0.29	<0.001	<0.00005	<0.001	0.004
SW306	**18 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	1.0	0.08	<0.005	16	0.54	0.003	<0.001	<0.001	0.75	<0.001	<0.00005	<0.001	0.006
SW307	**19 Sep 2023**	<100	440	<100	<100	440	18 MPN/100mL	18 MPN/100mL	0.007	<0.2	1.4	<0.05	<0.005	66	3.3	0.002	0.006	0.003	1.8	0.003	<0.00005	<0.001	0.022
SW307	**19 Sep 2023**	<100	360	<100	<100	360	18 MPN/100mL	18 MPN/100mL	<0.002	<0.2	1.3	<0.05	<0.005	16	3.4	0.002	0.005	0.003	1.8	0.003	<0.00005	<0.001	0.012
Statistics																							
Number of Results		**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**
Number of Detects		**0**	**8**	**2**	**0**	**8**	**0**	**0**	**9**	**0**	**12**	**6**	**0**	**8**	**12**	**8**	**4**	**6**	**12**	**4**	**0**	**0**	**12**
Minimum Concentration		**<10**	**<50**	**<100**	**<100**	**<50**	**<10**	**<10**	**0.002**	**<0.2**	**0.6**	**<0.05**	**<0.005**	**<5**	**0.03**	**0.001**	**<0.001**	**<0.001**	**0.08**	**<0.001**	**<0.00005**	**<0.001**	**0.002**
Maximum Concentration		**<100**	**440**	**120**	**<100**	**440**	**<1,000**	**<1,000**	**0.11**	**<0.2**	**2**	**0.1**	**<0.005**	**150**	**3.4**	**0.003**	**0.006**	**0.006**	**6.2**	**0.003**	**<0.00005**	**<0.001**	**0.023**
Average Concentration *		**32**	**208**	**102**	**100**	**228**	**258**	**258**	**0.021**	**0.2**	**1.2**	**0.068**	**0.005**	**36**	**0.91**	**0.0017**	**0.0019**	**0.0023**	**1.5**	**0.0016**	**0.00005**	**0.001**	**0.01**
Median Concentration *		**10**	**225**	**100**	**100**	**285**	**10**	**10**	**0.0025**	**0.2**	**1.15**	**0.055**	**0.005**	**14.5**	**0.155**	**0.0015**	**0.001**	**0.0015**	**0.265**	**0.001**	**0.00005**	**0.001**	**0.008**

* A Non Detect Multiplier of 1 has been applied.

		Organochlorine Pesticides																		
		4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Date**																			
SW302	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW302	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW303	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW303	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW304	**18 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW304	**18 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**18 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**18 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**18 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**18 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW307	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW307	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Statistics																				
Number of Results		**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Maximum Concentration		**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Average Concentration *		**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**
Median Concentration *		**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

* A Non Detect Multiplier of 1 has been applied.

		PAH																
		Benzo(b+j+k)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
		mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL		0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0005	0.0001
Location Code	**Date**																	
SW302	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW302	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW303	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW303	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW304	**18 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW304	**18 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW305	**18 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW305	**18 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW306	**18 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW306	**18 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW307	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW307	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
Statistics																		
Number of Results		**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Maximum Concentration		**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Average Concentration *		**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0005**	**0.0001**
Median Concentration *		**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0005**	**0.0001**

* A Non Detect Multiplier of 1 has been applied.

		PCBs							TPH				
		Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Date**												
SW302	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	220	<100	220
SW302	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	300	<100	300
SW303	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	370	<100	370
SW303	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW304	**18 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	340	<100	340
SW304	**18 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<100	<50	340	<100	340
SW305	**18 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW305	**18 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW306	**18 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW306	**18 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW307	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<100	<50	470	<100	470
SW307	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<100	<50	450	<100	450
Statistics													
Number of Results		**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**7**	**0**	**7**
Minimum Concentration		**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Maximum Concentration		**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<100**	**<50**	**470**	**<100**	**470**
Average Concentration *		**2**	**2**	**2**	**2**	**2**	**2**	**2**	**32**	**50**	**249**	**100**	**228**
Median Concentration *		**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**260**	**100**	**260**

* A Non Detect Multiplier of 1 has been applied.

Table 57: Estuary surface water - laboratory data event 10

		TRH					Biological			Halogenated Benzenes	Inorganics				Metals								
		C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)	Aluminium	Arsenic	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
		µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL		10	50	100	100	50	1	1	0.001	0.2	0.1	0.05	0.005	5	0.01	0.001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Date**																						
SW201	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.1	<0.05	0.01	10	0.1	0.002	<0.001	<0.001	0.24	<0.001	<0.00005	<0.001	0.012
SW201	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.1	0.05	0.01	8	0.12	0.002	<0.001	<0.001	0.25	<0.001	<0.00005	<0.001	0.004
SW202	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	0.004	<0.2	0.2	<0.05	0.008	8	0.11	0.002	<0.001	<0.001	0.8	0.002	<0.00005	<0.001	0.048
SW202	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.1	0.06	0.005	8	0.55	0.002	<0.001	<0.001	0.27	<0.001	<0.00005	<0.001	0.006
SW203	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.2	<0.05	<0.005	15	0.17	0.002	<0.001	<0.001	0.34	<0.001	<0.00005	<0.001	0.003
SW203	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.1	<0.05	<0.005	20	0.15	0.002	<0.001	<0.001	0.35	<0.001	<0.00005	<0.001	0.01
SW204	**20 Sep 2023**	<10	50	<100	<100	50	200	200	0.003	<0.2	0.4	0.1	<0.005	73	0.72	0.003	0.001	0.001	2.4	<0.001	<0.00005	<0.001	0.006
SW204	**20 Sep 2023**	<10	58	<100	<100	60	90A	90A	0.006	<0.2	0.4	0.1	<0.005	120	0.45	0.003	<0.001	0.002	0.99	<0.001	<0.00005	<0.001	0.006
SW205	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	<0.1	<0.05	<0.005	13	0.06	0.002	<0.001	<0.001	0.11	<0.001	<0.00005	<0.001	0.002
SW205	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.1	<0.05	<0.005	11	0.06	0.002	<0.001	<0.001	0.13	<0.001	<0.00005	<0.001	0.001
SW206	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	0.003	<0.2	0.1	<0.05	<0.005	6	0.08	0.002	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	0.002
SW206	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	0.003	<0.2	<0.1	<0.05	0.006	8	0.03	0.002	<0.001	<0.001	0.14	<0.001	<0.00005	<0.001	0.002
SW207	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	<0.1	<0.05	<0.005	10	0.06	0.002	<0.001	<0.001	0.13	<0.001	<0.00005	<0.001	0.001
SW207	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	<0.1	<0.05	0.005	10	0.09	0.002	<0.001	<0.001	0.18	<0.001	<0.00005	<0.001	0.002
SW208	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.1	<0.05	<0.005	8	0.09	0.002	<0.001	<0.001	0.18	<0.001	<0.00005	<0.001	<0.001
SW208	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	<0.1	<0.05	<0.005	8	0.11	0.002	<0.001	<0.001	0.21	<0.001	<0.00005	<0.001	0.002
SW209	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.1	<0.05	<0.005	11	0.16	0.002	<0.001	<0.001	0.22	<0.001	<0.00005	<0.001	0.001
SW209	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.1	<0.05	<0.005	8	0.13	0.002	<0.001	<0.001	0.25	<0.001	<0.00005	<0.001	0.001
SW210	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	0.003	<0.2	0.1	<0.05	<0.005	26	0.26	0.002	<0.001	<0.001	0.53	<0.001	<0.00005	<0.001	0.003
SW210	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.1	<0.05	<0.005	22	0.24	0.002	<0.001	<0.001	0.62	<0.001	<0.00005	<0.001	0.003
SW211	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.1	<0.05	<0.005	15	0.23	0.002	<0.001	<0.001	0.45	<0.001	<0.00005	<0.001	0.001
SW211	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.1	<0.05	<0.005	14	0.24	0.002	<0.001	<0.001	0.45	<0.001	<0.00005	<0.001	0.008
SW212	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	<0.1	<0.05	<0.005	14	0.09	0.002	<0.001	<0.001	0.21	<0.001	<0.00005	<0.001	0.002
SW212	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	<0.1	<0.05	<0.005	14	0.13	0.002	<0.001	<0.001	0.29	<0.001	<0.00005	<0.001	0.002
SW213	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.2	<0.05	<0.005	6	0.06	0.002	<0.001	<0.001	0.11	<0.001	<0.00005	<0.001	0.001
SW213	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.1	<0.05	<0.005	6	0.08	0.002	<0.001	<0.001	0.11	<0.001	<0.00005	<0.001	0.003
SW214	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	0.003	<0.2	0.2	<0.05	<0.005	12	0.18	0.002	<0.001	<0.001	0.32	<0.001	<0.00005	<0.001	0.002
SW214	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.1	<0.05	<0.005	13	0.11	0.002	<0.001	<0.001	0.2	<0.001	<0.00005	<0.001	0.003
SW215	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	0.007	<0.2	0.1	<0.05	<0.005	11	0.04	0.002	<0.001	<0.001	0.07	<0.001	<0.00005	<0.001	0.001
SW215	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	<0.1	<0.05	<0.005	5	0.03	0.002	<0.001	<0.001	0.06	<0.001	<0.00005	<0.001	<0.001
SW216	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	0.004	<0.2	0.2	<0.05	<0.005	<5	0.03	0.002	<0.001	<0.001	0.04	<0.001	<0.00005	<0.001	0.005
SW216	**19 Sep 2023**	<10	<50	<100	<100	<50	10^A	10^A	0.004	<0.2	<0.1	<0.05	<0.005	<5	0.01	0.002	<0.001	<0.001	0.02	<0.001	<0.00005	<0.001	0.002
SW217	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	0.004	<0.2	0.1	<0.05	<0.005	<5	<0.01	0.002	<0.001	<0.001	0.03	<0.001	<0.00005	<0.001	0.001
SW217	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	0.007	<0.2	<0.1	<0.05	<0.005	6	0.02	0.002	<0.001	<0.001	0.05	<0.001	<0.00005	<0.001	0.002

Statistics

Number of Results	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects	**0**	**2**	**0**	**0**	**2**	**1**	**1**	**14**	**0**	**24**	**4**	**6**	**31**	**33**	**34**	**1**	**2**	**34**	**1**	**0**	**0**	**32**
Minimum Concentration	**<10**	**50**	**<100**	**<100**	**50**	**<10**	**<10**	**0.002**	**<0.2**	**0.1**	**0.05**	**0.005**	**5**	**0.01**	**0.002**	**0.001**	**0.001**	**0.02**	**<0.001**	**<0.00005**	**<0.001**	**0.001**
Maximum Concentration	**<10**	**58**	**<100**	**<100**	**60**	**200**	**200**	**0.007**	**<0.2**	**0.4**	**0.1**	**0.01**	**120**	**0.72**	**0.003**	**0.001**	**0.002**	**2.4**	**0.002**	**<0.00005**	**<0.001**	**0.048**
Average Concentration *	**10**	**50**	**100**	**100**	**50**	**16**	**16**	**0.0028**	**0.2**	**0.13**	**0.053**	**0.0054**	**16**	**0.15**	**0.0021**	**0.001**	**0.001**	**0.32**	**0.001**	**0.00005**	**0.001**	**0.0044**
Median Concentration *	**10**	**50**	**100**	**100**	**50**	**10**	**10**	**0.002**	**0.2**	**0.1**	**0.05**	**0.005**	**10**	**0.105**	**0.002**	**0.001**	**0.001**	**0.21**	**0.001**	**0.00005**	**0.001**	**0.002**

* A Non Detect Multiplier of 1 has been applied.

		Organochlorine Pesticides																	
		4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Date**																			
SW201	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW201	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW204	**20 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW204	**20 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW212	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW212	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW215	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW215	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Statistics

Number of Results	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Maximum Concentration	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Average Concentration *	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**
Median Concentration *	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

* A Non Detect Multiplier of 1 has been applied.

		PAH																
		Benzo(b+j+k)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
		mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL		0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0005	0.0001
Location Code	**Date**																	
SW201	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW201	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW202	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW202	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW203	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW203	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW204	**20 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW204	**20 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW205	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW205	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW206	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW206	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW207	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW207	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW208	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW208	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW209	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW209	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW210	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW210	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW211	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW211	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW212	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW212	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW213	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW213	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW214	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW214	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW215	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW215	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW216	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW216	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW217	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW217	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
Statistics																		
Number of Results		**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Maximum Concentration		**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Average Concentration *		**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0005**	**0.0001**
Median Concentration *		**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0005**	**0.0001**

* A Non Detect Multiplier of 1 has been applied.

		PCBs							TPH				
		Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Date**												
SW201	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW201	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW203	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	51	<100	<100	50
SW203	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW204	**20 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW204	**20 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW212	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW212	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW215	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW215	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	**19 Sep 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50

Statistics

Number of Results	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**1**
Minimum Concentration	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**50**
Maximum Concentration	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**51**	**<100**	**<100**	**50**
Average Concentration *	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**100**	**100**	**50**
Median Concentration *	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**100**	**100**	**50**

* A Non Detect Multiplier of 1 has been applied.

Table 58: Surface water - water quality data event 10

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)
301							
302	15.1	7.26	246.0	7.97	0.13	267.5	15.57
303	18.8	8.27	339.5	6.77	36.61	55137	3.16
304	15.2	8.25	45.6	2.94	0.11	222.5	174.07
305	17.0	8.63	251.6	9.72	28.34	43879	5.52
306	24.4	8.73	163.7	8.11	33.55	51088	21.09
307	14.4	7.55	165.4	5.92	0.06	117.9	108.67
308							

Table 59: Surface water – water quality data event 10 statistical summary

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)
min	14.4	7.26	45.6	2.94	0.06	117.9	3.16
max	24.4	8.73	339.5	9.72	36.61	55137	174.07
mean	17.5	8.12	202.0	6.91	16.47	25118.7	54.68
median	16.1	8.26	205.7	7.37	14.24	22073.3	18.33
range	10.0	1.47	293.9	6.78	36.55	55019.1	170.91

Table 60: Estuary surface water – water quality data event 10

Sampling Site ID	Shallow / Deep[1]	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	EC (uS/cm)	Turbidity (ntu)
201	S	21.7	8.03	175.7	6.39	35.08	53093
201	D	21.9	7.98	214.8	6.55	35.11	53135
202	S	20.5	8.07	365.5	6.48	35.00	52970
202	D	20.4	8.08	369.3	6.64	34.99	52960
203	S	20.8	8.07	363.6	6.43	35.20	53248
203	D	20.8	8.08	362.2	6.69	35.17	53207
204	S	24.5	7.68	330.3	5.39	16.96	27611
204	D	24.5	7.68	330.5	5.23	22.20	35252
205	S	20.4	8.07	346.0	6.48	35.61	5393
205	D	20.3	8.07	352.6	6.46	35.66	53867
206	S	20.0	8.09	364.1	6.55	35.89	54176
206	D	19.8	8.10	365.8	6.67	36.01	54326
207	S	20.2	8.09	354.6	6.56	35.36	53453
207	D	20.2	8.08	355.7	6.58	35.36	53457
208	S	20.0	8.08	362.5	6.44	35.71	53926
208	D	19.4	8.09	366.7	6.46	36.50	54744
209	S	20.5	7.98	338.7	6.21	35.13	53156
209	D	20.4	7.97	344.8	5.98	35.17	53198
210	S	20.7	7.99	361.6	6.24	34.87	52798
210	D	20.7	7.99	365.7	6.10	34.85	52777
211	S	20.9	7.89	356.3	5.77	35.63	53065
211	D	20.9	7.88	367.2	5.42	35.06	53055
212	S	19.6	8.15	190.1	6.75	35.45	53579
212	D	19.7	8.10	226.1	6.67	35.26	53322
213	S	19.9	8.09	346.9	6.57	35.36	53463

Sampling Site ID	Shallow / Deep[1]	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	EC (uS/cm)	Turbidity (ntu)
213	D	19.9	8.09	348.8	6.57	35.37	53468
214	S	20.8	7.94	359.3	5.77	34.87	52868
214	D	20.6	7.87	365.2	5.43	35.09	53032
215	S	18.5	8.26	161.4	6.97	36.80	55398
215	D	18.5	8.16	206.6	6.95	36.82	55420
216	S	17.7	8.17	245.5	7.20	37.30	56075
216	D	17.7	8.18	275.7	7.26	37.31	56083
217	S	17.6	8.17	299.5	6.94	37.33	56113
217	D	17.5	8.18	311.4	7.08	37.35	56141

[1]Shallow (S) indicates water quality taken from top of water column. Deep (D) indicates water quality taken from below of the water column.

Table 61: Estuary surface water – water quality data event 10 statistical summary

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	EC (uS/cm)	Turbidity (ntu)
min	17.5	7.68	161.4	5.23	16.96	5393
max	24.5	8.26	369.3	7.26	37.35	56141
mean	20.2	8.04	319.1	6.41	34.73	51113
median	20.4	8.08	350.7	6.52	35.36	53285
range	7.0	0.58	207.9	2.03	20.39	50748

Appendix V – Event 10 Documents

Lab Report Event 10

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

CERTIFICATE OF ANALYSIS 333594

Client Details

Client	Martens & Associates Pty Ltd
Attention	Trystan Richards
Address	Suite 201, 20 George St, Hornsby, NSW, 2077

Sample Details

Your Reference	**P1203365 – Water Sampling, West Culburra, NSW**
Number of Samples	59 Water
Date samples received	21/09/2023
Date completed instructions received	21/09/2023

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	28/09/2023
Date of Issue	28/09/2023

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Results Approved By
Diego Bigolin, Inorganics Supervisor
Dragana Tomas, Senior Chemist
Greta Petzold, Operation Manager
Loren Bardwell, Development Chemist

Authorised By
Nancy Zhang, Laboratory Manager

vTRH in Water (C6-C9) NEPM						
Our Reference		333594-7	333594-8	333594-9	333594-10	333594-11
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW201 W/1	3365/SW201 W/2	3365/SW202 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	25/09/2023	25/09/2023
TRH C_6 - C_9	µg/L	<100	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<100	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	104	111	110	111	111
Surrogate Toluene-d8	%	100	105	104	104	103
Surrogate 4-Bromofluorobenzene	%	101	102	103	103	103

vTRH in Water (C6-C9) NEPM						
Our Reference		333594-12	333594-13	333594-14	333594-15	333594-16
Your Reference	UNITS	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW205 W/1	3365/SW205 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	25/09/2023	25/09/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	110	111	116	115	98
Surrogate Toluene-d8	%	103	103	111	111	102
Surrogate 4-Bromofluorobenzene	%	104	103	101	100	96

vTRH in Water (C6-C9) NEPM						
Our Reference		333594-17	333594-18	333594-19	333594-20	333594-21
Your Reference	UNITS	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	25/09/2023	25/09/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	108	102	99	95	115
Surrogate Toluene-d8	%	106	103	102	101	111
Surrogate 4-Bromofluorobenzene	%	98	97	96	94	100

vTRH in Water (C6-C9) NEPM						
Our Reference		333594-22	333594-23	333594-24	333594-25	333594-26
Your Reference	UNITS	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	25/09/2023	25/09/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	114	110	95	114	106
Surrogate Toluene-d8	%	107	106	101	110	105
Surrogate 4-Bromofluorobenzene	%	103	98	95	100	98

vTRH in Water (C6-C9) NEPM						
Our Reference		333594-27	333594-28	333594-29	333594-30	333594-31
Your Reference	UNITS	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	25/09/2023	25/09/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	115	100	114	112	114
Surrogate Toluene-d8	%	110	102	109	107	106
Surrogate 4-Bromofluorobenzene	%	101	97	101	101	103

vTRH in Water (C6-C9) NEPM						
Our Reference		333594-32	333594-33	333594-34	333594-35	333594-36
Your Reference	UNITS	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	25/09/2023	25/09/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	115	115	97	101	96
Surrogate Toluene-d8	%	109	109	102	102	100
Surrogate 4-Bromofluorobenzene	%	100	101	96	97	96

vTRH in Water (C6-C9) NEPM						
Our Reference		333594-37	333594-38	333594-39	333594-40	333594-41
Your Reference	UNITS	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2	3365/SW302 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	25/09/2023	25/09/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	96	113	95	103	94
Surrogate Toluene-d8	%	101	110	101	104	101
Surrogate 4-Bromofluorobenzene	%	95	100	95	98	94

vTRH in Water (C6-C9) NEPM						
Our Reference		333594-42	333594-43	333594-44	333594-45	333594-46
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	25/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	26/09/2023	25/09/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<100
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<100
Surrogate Dibromofluoromethane	%	94	94	111	101	104
Surrogate Toluene-d8	%	101	101	105	98	100
Surrogate 4-Bromofluorobenzene	%	94	95	103	100	101

vTRH in Water (C6-C9) NEPM						
Our Reference		333594-47	333594-48	333594-49	333594-50	333594-51
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	25/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	25/09/2023	26/09/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<100
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<100
Surrogate Dibromofluoromethane	%	113	112	114	114	103
Surrogate Toluene-d8	%	105	106	107	109	98
Surrogate 4-Bromofluorobenzene	%	103	103	102	100	108

vTRH in Water (C6-C9) NEPM				
Our Reference		333594-52	333594-58	333594-59
Your Reference	UNITS	3365/SW307 W/2	SW204 W/1	SW204 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023
TRH C_6 - C_9	µg/L	<100	<10	<10
TRH C_6 - C_{10}	µg/L	<100	<10	<10
Surrogate Dibromofluoromethane	%	103	101	100
Surrogate Toluene-d8	%	98	102	101
Surrogate 4-Bromofluorobenzene	%	101	98	97

svTRH (C10-C40) in Water						
Our Reference		333594-7	333594-8	333594-9	333594-10	333594-11
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW201 W/1	3365/SW201 W/2	3365/SW202 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	23/09/2023	23/09/2023	23/09/2023	23/09/2023	23/09/2023
TRH C_{10} - C_{14}	µg/L	68	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	560	200	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	630	200	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	400	170	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	260	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	660	170	<50	<50	<50
Surrogate o-Terphenyl	%	78	78	90	83	95

svTRH (C10-C40) in Water						
Our Reference		333594-12	333594-13	333594-14	333594-15	333594-16
Your Reference	UNITS	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW205 W/1	3365/SW205 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	23/09/2023	23/09/2023	23/09/2023	23/09/2023	23/09/2023
TRH C_{10} - C_{14}	µg/L	<50	51	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	87	80	85	90	99

svTRH (C10-C40) in Water						
Our Reference		333594-17	333594-18	333594-19	333594-20	333594-21
Your Reference	UNITS	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	23/09/2023	23/09/2023	23/09/2023	26/09/2023	26/09/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	79	89	86	81	110

svTRH (C10-C40) in Water						
Our Reference		333594-22	333594-23	333594-24	333594-25	333594-26
Your Reference	UNITS	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	26/09/2023	26/09/2023	26/09/2023	26/09/2023	26/09/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	104	103	100	85	98

svTRH (C10-C40) in Water						
Our Reference		333594-27	333594-28	333594-29	333594-30	333594-31
Your Reference	UNITS	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	26/09/2023	25/09/2023	25/09/2023	25/09/2023	25/09/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	95	65	71	71	102

svTRH (C10-C40) in Water						
Our Reference		333594-32	333594-33	333594-34	333594-35	333594-36
Your Reference	UNITS	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	26/09/2023	26/09/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	95	87	103	98	88

svTRH (C10-C40) in Water						
Our Reference		333594-37	333594-38	333594-39	333594-40	333594-41
Your Reference	UNITS	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2	3365/SW302 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	26/09/2023	26/09/2023	26/09/2023	26/09/2023	26/09/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	300
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	300
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	270
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	270
Surrogate o-Terphenyl	%	90	68	98	109	92

svTRH (C10-C40) in Water						
Our Reference		333594-42	333594-43	333594-44	333594-45	333594-46
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	26/09/2023	26/09/2023	26/09/2023	26/09/2023	26/09/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	220	<100	370	340	340
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	220	<50	370	340	340
TRH >C_{10} - C_{16}	µg/L	180	62	330	320	340
TRH >C_{16} - C_{34}	µg/L	120	<100	110	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	300	60	440	320	340
Surrogate o-Terphenyl	%	97	99	120	94	89

svTRH (C10-C40) in Water						
Our Reference		333594-47	333594-48	333594-49	333594-50	333594-51
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	26/09/2023	26/09/2023	26/09/2023	26/09/2023	26/09/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	470
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	470
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	440
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	440
Surrogate o-Terphenyl	%	77	80	107	92	66

svTRH (C10-C40) in Water				
Our Reference		333594-52	333594-58	333594-59
Your Reference	UNITS	3365/SW307 W/2	SW204 W/1	SW204 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	26/09/2023	26/09/2023	26/09/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	450	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	450	<50	<50
TRH >C_{10} - C_{16}	µg/L	360	50	58
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	360	50	60
Surrogate o-Terphenyl	%	68	95	92

PAHs in Water						
Our Reference		333594-7	333594-8	333594-9	333594-10	333594-11
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW201 W/1	3365/SW201 W/2	3365/SW202 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	25/09/2023	25/09/2023
Naphthalene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	92	78	126	102	101

PAHs in Water						
Our Reference		333594-12	333594-13	333594-14	333594-15	333594-16
Your Reference	UNITS	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW205 W/1	3365/SW205 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	25/09/2023	25/09/2023
Naphthalene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	89	91	101	100	103

PAHs in Water						
Our Reference		333594-17	333594-18	333594-19	333594-20	333594-21
Your Reference	UNITS	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	25/09/2023	28/09/2023
Naphthalene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	93	65	86	86	119

PAHs in Water						
Our Reference		333594-22	333594-23	333594-24	333594-25	333594-26
Your Reference	UNITS	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	28/09/2023	25/09/2023	28/09/2023
Naphthalene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	99	106	110	89	98

PAHs in Water						
Our Reference		333594-27	333594-28	333594-29	333594-30	333594-31
Your Reference	UNITS	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	25/09/2023	25/09/2023
Naphthalene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	95	76	88	88	113

PAHs in Water						
Our Reference		333594-32	333594-33	333594-34	333594-35	333594-36
Your Reference	UNITS	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	28/09/2023	25/09/2023
Naphthalene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	110	93	104	112	103

PAHs in Water						
Our Reference		333594-37	333594-38	333594-39	333594-40	333594-41
Your Reference	UNITS	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2	3365/SW302 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	25/09/2023	26/09/2023
Naphthalene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	100	70	126	112	91

PAHs in Water						
Our Reference		333594-42	333594-43	333594-44	333594-45	333594-46
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	26/09/2023	26/09/2023	26/09/2023	26/09/2023	26/09/2023
Naphthalene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	103	100	104	105	98

PAHs in Water						
Our Reference		333594-47	333594-48	333594-49	333594-50	333594-51
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	26/09/2023	26/09/2023	26/09/2023	26/09/2023	26/09/2023
Naphthalene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	113	111	137	117	79

PAHs in Water				
Our Reference		333594-52	333594-58	333594-59
Your Reference	UNITS	3365/SW307 W/2	SW204 W/1	SW204 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	26/09/2023	26/09/2023	26/09/2023
Naphthalene	µg/L	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	66	95	121

Organochlorine Pesticides in Water						
Our Reference		333594-7	333594-8	333594-9	333594-10	333594-11
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW201 W/1	3365/SW201 W/2	3365/SW202 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	25/09/2023	25/09/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	87	70	116	92	97

Organochlorine Pesticides in Water						
Our Reference		333594-12	333594-13	333594-14	333594-15	333594-16
Your Reference	UNITS	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW205 W/1	3365/SW205 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	25/09/2023	25/09/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	84	86	90	92	98

Organochlorine Pesticides in Water						
Our Reference		333594-17	333594-18	333594-19	333594-20	333594-21
Your Reference	UNITS	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	25/09/2023	28/09/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	85	61	78	82	102

Organochlorine Pesticides in Water						
Our Reference		333594-22	333594-23	333594-24	333594-25	333594-26
Your Reference	UNITS	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	28/09/2023	25/09/2023	28/09/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	93	95	96	78	90

Organochlorine Pesticides in Water						
Our Reference		333594-27	333594-28	333594-29	333594-30	333594-31
Your Reference	UNITS	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	25/09/2023	25/09/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	87	73	82	72	113

Organochlorine Pesticides in Water						
Our Reference		333594-32	333594-33	333594-34	333594-35	333594-36
Your Reference	UNITS	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	28/09/2023	25/09/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	107	92	104	97	96

Organochlorine Pesticides in Water						
Our Reference		333594-37	333594-38	333594-39	333594-40	333594-41
Your Reference	UNITS	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2	3365/SW302 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	25/09/2023	25/09/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	98	70	104	104	91

Organochlorine Pesticides in Water						
Our Reference		333594-42	333594-43	333594-44	333594-45	333594-46
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	26/09/2023	26/09/2023	26/09/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	98	94	101	100	88

Organochlorine Pesticides in Water						
Our Reference		333594-47	333594-48	333594-49	333594-50	333594-51
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	26/09/2023	26/09/2023	26/09/2023	26/09/2023	26/09/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	99	101	123	108	78

Organochlorine Pesticides in Water				
Our Reference		333594-52	333594-58	333594-59
Your Reference	UNITS	3365/SW307 W/2	SW204 W/1	SW204 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	26/09/2023	26/09/2023	26/09/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2
Surrogate TCMX	%	60	86	111

PCBs in Water						
Our Reference		333594-7	333594-8	333594-9	333594-10	333594-11
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW201 W/1	3365/SW201 W/2	3365/SW202 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	25/09/2023	25/09/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	87	70	116	92	97

PCBs in Water						
Our Reference		333594-12	333594-13	333594-14	333594-15	333594-16
Your Reference	UNITS	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW205 W/1	3365/SW205 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	25/09/2023	25/09/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	84	86	90	92	98

PCBs in Water						
Our Reference		333594-17	333594-18	333594-19	333594-20	333594-21
Your Reference	UNITS	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	25/09/2023	28/09/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	85	61	78	82	102

PCBs in Water						
Our Reference		333594-22	333594-23	333594-24	333594-25	333594-26
Your Reference	UNITS	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	28/09/2023	25/09/2023	28/09/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	93	95	96	78	90

PCBs in Water						
Our Reference		333594-27	333594-28	333594-29	333594-30	333594-31
Your Reference	UNITS	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	25/09/2023	25/09/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	87	73	82	72	113

PCBs in Water						
Our Reference		333594-32	333594-33	333594-34	333594-35	333594-36
Your Reference	UNITS	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	28/09/2023	25/09/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	107	92	104	97	96

PCBs in Water						
Our Reference		333594-37	333594-38	333594-39	333594-40	333594-41
Your Reference	UNITS	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2	3365/SW302 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	25/09/2023	25/09/2023	25/09/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	98	70	104	104	91

PCBs in Water						
Our Reference		333594-42	333594-43	333594-44	333594-45	333594-46
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	25/09/2023	25/09/2023	26/09/2023	26/09/2023	26/09/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	98	94	101	100	88

PCBs in Water						
Our Reference		333594-47	333594-48	333594-49	333594-50	333594-51
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	26/09/2023	26/09/2023	26/09/2023	26/09/2023	26/09/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	89	101	123	108	78

PCBs in Water				
Our Reference		333594-52	333594-58	333594-59
Your Reference	UNITS	3365/SW307 W/2	SW204 W/1	SW204 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water
Date extracted	-	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	26/09/2023	26/09/2023	26/09/2023
Aroclor 1016	µg/L	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2
Surrogate TCMX	%	60	86	111

All metals in water - total						
Our Reference		333594-7	333594-8	333594-9	333594-10	333594-11
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW201 W/1	3365/SW201 W/2	3365/SW202 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	26/09/2023	26/09/2023	26/09/2023	26/09/2023	26/09/2023
Aluminium-Total	µg/L	700	440	100	120	110
Arsenic-Total	µg/L	3	<1	2	2	2
Chromium-Total	µg/L	<1	<1	<1	<1	<1
Copper-Total	µg/L	7	3	<1	<1	<1
Iron-Total	µg/L	3,500	220	240	250	800
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	2	1	<1	<1	2
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	41	18	12	4	48

All metals in water - total						
Our Reference		333594-12	333594-13	333594-14	333594-15	333594-16
Your Reference	UNITS	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW205 W/1	3365/SW205 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	26/09/2023	26/09/2023	26/09/2023	26/09/2023	26/09/2023
Aluminium-Total	µg/L	550	170	150	60	60
Arsenic-Total	µg/L	2	2	2	2	2
Chromium-Total	µg/L	<1	<1	<1	<1	<1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	270	340	350	110	130
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	6	3	10	2	1

All metals in water - total						
Our Reference		333594-17	333594-18	333594-19	333594-20	333594-21
Your Reference	UNITS	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	26/09/2023	26/09/2023	26/09/2023	26/09/2023	26/09/2023
Aluminium-Total	µg/L	30	80	60	90	90
Arsenic-Total	µg/L	2	2	2	2	2
Chromium-Total	µg/L	<1	<1	<1	<1	<1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	140	160	130	180	180
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	2	2	1	2	<1

All metals in water - total						
Our Reference		333594-22	333594-23	333594-24	333594-25	333594-26
Your Reference	UNITS	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	26/09/2023	26/09/2023	26/09/2023	26/09/2023	26/09/2023
Aluminium-Total	µg/L	110	160	130	260	240
Arsenic-Total	µg/L	2	2	2	2	2
Chromium-Total	µg/L	<1	<1	<1	<1	<1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	210	220	250	530	620
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	2	1	1	3	3

All metals in water - total						
Our Reference		333594-27	333594-28	333594-29	333594-30	333594-31
Your Reference	UNITS	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	26/09/2023	26/09/2023	26/09/2023	26/09/2023	26/09/2023
Aluminium-Total	µg/L	230	240	90	130	60
Arsenic-Total	µg/L	2	2	2	2	2
Chromium-Total	µg/L	<1	<1	<1	<1	<1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	450	450	210	290	110
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	1	8	2	2	1

All metals in water - total						
Our Reference		333594-32	333594-33	333594-34	333594-35	333594-36
Your Reference	UNITS	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	26/09/2023	26/09/2023	26/09/2023	26/09/2023	26/09/2023
Aluminium-Total	µg/L	80	180	110	40	30
Arsenic-Total	µg/L	2	2	2	2	2
Chromium-Total	µg/L	<1	<1	<1	<1	<1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	110	320	200	70	60
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	3	2	3	1	<1

All metals in water - total						
Our Reference		333594-37	333594-38	333594-39	333594-40	333594-41
Your Reference	UNITS	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2	3365/SW302 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	26/09/2023	26/09/2023	26/09/2023	26/09/2023	26/09/2023
Aluminium-Total	µg/L	30	10	<10	20	120
Arsenic-Total	µg/L	2	2	2	2	<1
Chromium-Total	µg/L	<1	<1	<1	<1	<1
Copper-Total	µg/L	<1	<1	<1	<1	2
Iron-Total	µg/L	40	20	30	50	230
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	5	2	1	2	23

All metals in water - total						
Our Reference		333594-42	333594-43	333594-44	333594-45	333594-46
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	26/09/2023	26/09/2023	26/09/2023	26/09/2023	26/09/2023
Aluminium-Total	µg/L	100	80	40	1,700	1,400
Arsenic-Total	µg/L	<1	2	2	<1	<1
Chromium-Total	µg/L	<1	<1	<1	2	2
Copper-Total	µg/L	3	<1	<1	4	6
Iron-Total	µg/L	200	240	190	5,900	6,200
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	3	2
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	6	6	8	13	14

All metals in water - total						
Our Reference		333594-47	333594-48	333594-49	333594-50	333594-51
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	26/09/2023	26/09/2023	26/09/2023	26/09/2023	26/09/2023
Aluminium-Total	µg/L	30	30	540	190	3,300
Arsenic-Total	µg/L	1	1	3	3	2
Chromium-Total	µg/L	<1	<1	<1	<1	6
Copper-Total	µg/L	<1	<1	<1	<1	3
Iron-Total	µg/L	80	90	750	290	1,800
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	3
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	8	2	6	4	22

All metals in water - total						
Our Reference		333594-52	333594-53	333594-54	333594-55	333594-56
Your Reference	UNITS	3365/SW307 W/2	3365/DUP01	3365/DUP02	3365/DUP03	3365/DUP04
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	26/09/2023	26/09/2023	26/09/2023	26/09/2023	26/09/2023
Aluminium-Total	µg/L	3,400	420	130	20	140
Arsenic-Total	µg/L	2	<1	<1	2	2
Chromium-Total	µg/L	5	<1	<1	<1	<1
Copper-Total	µg/L	3	4	2	<1	<1
Iron-Total	µg/L	1,800	190	240	150	260
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	3	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	12	19	21	8	3

All metals in water - total			
Our Reference		333594-58	333594-59
Your Reference	UNITS	SW204 W/1	SW204 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water
Date prepared	-	22/09/2023	22/09/2023
Date analysed	-	26/09/2023	26/09/2023
Aluminium-Total	µg/L	720	450
Arsenic-Total	µg/L	3	3
Chromium-Total	µg/L	1	<1
Copper-Total	µg/L	1	2
Iron-Total	µg/L	2,400	990
Mercury-Total	µg/L	<0.05	<0.05
Lead-Total	µg/L	<1	<1
Selenium-Total	µg/L	<1	<1
Zinc-Total	µg/L	6	6

Metals in Waters - Acid extractable						
Our Reference		333594-1	333594-2	333594-3	333594-4	333594-5
Your Reference	UNITS	3365/GW01	3365/GW02	3365/GW03	3365/GW04	3365/GW06
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Phosphorus - Total	mg/L	0.1	0.2	0.06	0.56	0.08

Metals in Waters - Acid extractable						
Our Reference		333594-6	333594-7	333594-8	333594-9	333594-10
Your Reference	UNITS	3365/GW07	3365/SW101	3365/SW102	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Phosphorus - Total	mg/L	<0.05	1.3	<0.05	<0.05	0.05

Metals in Waters - Acid extractable						
Our Reference		333594-11	333594-12	333594-13	333594-14	333594-15
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW205 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Phosphorus - Total	mg/L	<0.05	0.06	<0.05	<0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		333594-16	333594-17	333594-18	333594-19	333594-20
Your Reference	UNITS	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		333594-21	333594-22	333594-23	333594-24	333594-25
Your Reference	UNITS	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		333594-26	333594-27	333594-28	333594-29	333594-30
Your Reference	UNITS	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		333594-31	333594-32	333594-33	333594-34	333594-35
Your Reference	UNITS	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		333594-36	333594-37	333594-38	333594-39	333594-40
Your Reference	UNITS	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		333594-41	333594-42	333594-43	333594-44	333594-45
Your Reference	UNITS	3365/SW302 W/1	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Phosphorus - Total	mg/L	0.07	0.1	<0.05	<0.05	0.1

Metals in Waters - Acid extractable						
Our Reference		333594-46	333594-47	333594-48	333594-49	333594-50
Your Reference	UNITS	3365/SW304 W/2	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Phosphorus - Total	mg/L	0.1	<0.05	<0.05	0.08	0.06

Metals in Waters - Acid extractable					
Our Reference		333594-51	333594-52	333594-58	333594-59
Your Reference	UNITS	3365/SW307 W/1	3365/SW307 W/2	SW204 W/1	SW204 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water
Date prepared	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Date analysed	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Phosphorus - Total	mg/L	<0.05	<0.05	0.1	0.1

Miscellaneous Inorganics						
Our Reference		333594-1	333594-2	333594-3	333594-4	333594-5
Your Reference	UNITS	3365/GW01	3365/GW02	3365/GW03	3365/GW04	3365/GW06
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	21/09/2023	21/09/2023	21/09/2023	21/09/2023	21/09/2023
Date analysed	-	21/09/2023	21/09/2023	21/09/2023	21/09/2023	21/09/2023
Total Nitrogen in water	mg/L	0.1	<0.1	<0.1	<0.1	0.3
Phosphate as P in water	mg/L	<0.005	0.15	<0.005	0.18	0.04

Miscellaneous Inorganics						
Our Reference		333594-6	333594-7	333594-8	333594-9	333594-10
Your Reference	UNITS	3365/GW07	3365/SW101	3365/SW102	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	21/09/2023	21/09/2023	21/09/2023	21/09/2023	21/09/2023
Date analysed	-	21/09/2023	21/09/2023	21/09/2023	21/09/2023	21/09/2023
Total Suspended Solids	mg/L	[NA]	54	5	10	8
Total Nitrogen in water	mg/L	0.2	12	0.5	0.1	0.1
Phosphate as P in water	mg/L	<0.005	0.54	<0.005	0.01	0.01
Chlorophyll a	mg/m^3	[NA]	3	10	<2	<2

Miscellaneous Inorganics						
Our Reference		333594-11	333594-12	333594-13	333594-14	333594-15
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW205 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	21/09/2023	21/09/2023	21/09/2023	21/09/2023	21/09/2023
Date analysed	-	21/09/2023	21/09/2023	21/09/2023	21/09/2023	21/09/2023
Total Suspended Solids	mg/L	8	8	15	20	13
Total Nitrogen in water	mg/L	0.2	0.1	0.2	0.1	<0.1
Phosphate as P in water	mg/L	0.008	0.005	<0.005	<0.005	<0.005
Chlorophyll a	mg/m^3	4	<2	<2	<2	<2

Miscellaneous Inorganics						
Our Reference		333594-16	333594-17	333594-18	333594-19	333594-20
Your Reference	UNITS	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	21/09/2023	21/09/2023	21/09/2023	21/09/2023	21/09/2023
Date analysed	-	21/09/2023	21/09/2023	21/09/2023	21/09/2023	21/09/2023
Total Suspended Solids	mg/L	11	8	6	10	10
Total Nitrogen in water	mg/L	0.1	<0.1	0.1	<0.1	<0.1
Phosphate as P in water	mg/L	<0.005	0.006	<0.005	<0.005	0.005
Chlorophyll a	mg/m^3	2	3	3	<2	<2

Miscellaneous Inorganics						
Our Reference		333594-21	333594-22	333594-23	333594-24	333594-25
Your Reference	UNITS	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	21/09/2023	21/09/2023	21/09/2023	21/09/2023	21/09/2023
Date analysed	-	21/09/2023	21/09/2023	21/09/2023	21/09/2023	21/09/2023
Total Suspended Solids	mg/L	8	8	11	8	26
Total Nitrogen in water	mg/L	0.1	<0.1	0.1	0.1	0.1
Phosphate as P in water	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorophyll a	mg/m^3	<2	<2	2	<2	3

Miscellaneous Inorganics						
Our Reference		333594-26	333594-27	333594-28	333594-29	333594-30
Your Reference	UNITS	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	21/09/2023	21/09/2023	21/09/2023	21/09/2023	21/09/2023
Date analysed	-	21/09/2023	21/09/2023	21/09/2023	21/09/2023	21/09/2023
Total Suspended Solids	mg/L	22	15	14	14	14
Total Nitrogen in water	mg/L	0.1	0.1	0.1	<0.1	<0.1
Phosphate as P in water	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorophyll a	mg/m^3	<2	<2	<2	<2	<2

Miscellaneous Inorganics						
Our Reference		333594-31	333594-32	333594-33	333594-34	333594-35
Your Reference	UNITS	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	21/09/2023	21/09/2023	21/09/2023	21/09/2023	21/09/2023
Date analysed	-	21/09/2023	21/09/2023	21/09/2023	21/09/2023	21/09/2023
Total Suspended Solids	mg/L	6	6	12	13	11
Total Nitrogen in water	mg/L	0.2	0.1	0.2	0.1	0.1
Phosphate as P in water	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorophyll a	mg/m^3	<2	<2	3	<2	7

Miscellaneous Inorganics						
Our Reference		333594-36	333594-37	333594-38	333594-39	333594-40
Your Reference	UNITS	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	21/09/2023	21/09/2023	21/09/2023	21/09/2023	21/09/2023
Date analysed	-	21/09/2023	21/09/2023	21/09/2023	21/09/2023	21/09/2023
Total Suspended Solids	mg/L	5	<5	<5	<5	6
Total Nitrogen in water	mg/L	<0.1	0.2	<0.1	0.1	<0.1
Phosphate as P in water	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorophyll a	mg/m^3	<2	4	4	4	7

Miscellaneous Inorganics						
Our Reference		333594-41	333594-42	333594-43	333594-44	333594-45
Your Reference	UNITS	3365/SW302 W/1	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	21/09/2023	21/09/2023	21/09/2023	21/09/2023	21/09/2023
Date analysed	-	21/09/2023	21/09/2023	21/09/2023	21/09/2023	21/09/2023
Total Suspended Solids	mg/L	12	13	<5	<5	120
Total Nitrogen in water	mg/L	1.2	1.4	1.1	1.1	2.0
Phosphate as P in water	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorophyll a	mg/m^3	110	110	2	2	5

Miscellaneous Inorganics						
Our Reference		333594-46	333594-47	333594-48	333594-49	333594-50
Your Reference	UNITS	3365/SW304 W/2	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	21/09/2023	21/09/2023	21/09/2023	21/09/2023	21/09/2023
Date analysed	-	21/09/2023	21/09/2023	21/09/2023	21/09/2023	21/09/2023
Total Suspended Solids	mg/L	150	<5	<5	16	20
Total Nitrogen in water	mg/L	2.0	0.6	0.6	1.0	1.0
Phosphate as P in water	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorophyll a	mg/m^3	5	2	<2	<2	3

Miscellaneous Inorganics						
Our Reference		333594-51	333594-52	333594-57	333594-58	333594-59
Your Reference	UNITS	3365/SW307 W/1	3365/SW307 W/2	3365/GW DUP01	SW204 W/1	SW204 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	21/09/2023	21/09/2023	21/09/2023	21/09/2023	21/09/2023
Date analysed	-	21/09/2023	21/09/2023	21/09/2023	21/09/2023	21/09/2023
Total Suspended Solids	mg/L	66	16	[NA]	73	120
Total Nitrogen in water	mg/L	1.4	1.3	[NA]	0.4	0.4
Phosphate as P in water	mg/L	<0.005	<0.005	[NA]	<0.005	<0.005
Chlorophyll a	mg/m^3	7	<2	[NA]	3	6
pH	pH Units	[NA]	[NA]	6.4	[NA]	[NA]
Electrical Conductivity	µS/cm	[NA]	[NA]	12,000	[NA]	[NA]

Microbiologocal Testing						
Our Reference		333594-1	333594-2	333594-3	333594-4	333594-5
Your Reference	UNITS	3365/GW01	3365/GW02	3365/GW03	3365/GW04	3365/GW06
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
Faecal Coliforms	cfu/100mL	<10	<1000 NBO	<10	<100	<18 MPN/100mL

Microbiologocal Testing						
Our Reference		333594-6	333594-7	333594-8	333594-9	333594-10
Your Reference	UNITS	3365/GW07	3365/SW101	3365/SW102	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
E. coli	cfu/100mL	[NA]	<100	3,500	<10	<10
Faecal Coliforms	cfu/100mL	<18 MPN/100mL	<100	3,500	<10	<10

Microbiologocal Testing						
Our Reference		333594-11	333594-12	333594-13	333594-14	333594-15
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW205 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
E. coli	cfu/100mL	<10	<10	<10	<10	<10
Faecal Coliforms	cfu/100mL	<10	<10	<10	<10	<10

Microbiologocal Testing						
Our Reference		333594-16	333594-17	333594-18	333594-19	333594-20
Your Reference	UNITS	3365/SW205 W/1	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
E. coli	cfu/100mL	<10	<10	<10	<10	<10
Faecal Coliforms	cfu/100mL	<10	<10	<10	<10	<10

Microbiologocal Testing						
Our Reference		333594-21	333594-22	333594-23	333594-24	333594-25
Your Reference	UNITS	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
E. coli	cfu/100mL	<10	<10	<10	<10	<10
Faecal Coliforms	cfu/100mL	<10	<10	<10	<10	<10

Microbiologocal Testing						
Our Reference		333594-26	333594-27	333594-28	333594-29	333594-30
Your Reference	UNITS	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
E. coli	cfu/100mL	<10	<10	<10	<10	<10
Faecal Coliforms	cfu/100mL	<10	<10	<10	<10	<10

Microbiologocal Testing						
Our Reference		333594-31	333594-32	333594-33	333594-34	333594-35
Your Reference	UNITS	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
E. coli	cfu/100mL	<10	<10	<10	<10	<10
Faecal Coliforms	cfu/100mL	<10	<10	<10	<10	<10

Microbiologocal Testing						
Our Reference		333594-36	333594-37	333594-38	333594-39	333594-40
Your Reference	UNITS	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
E. coli	cfu/100mL	<10	<10	10^A	<10	<10
Faecal Coliforms	cfu/100mL	<10	<10	10^A	<10	<10

Microbiologocal Testing						
Our Reference		333594-41	333594-42	333594-43	333594-44	333594-45
Your Reference	UNITS	3365/SW302 W/1	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
E. coli	cfu/100mL	<1000	<1000	<10	<10	<18 MPN/100mL
Faecal Coliforms	cfu/100mL	<1000	<1000	<10	<10	20 MPN/100mL

Microbiologocal Testing						
Our Reference		333594-46	333594-47	333594-48	333594-49	333594-50
Your Reference	UNITS	3365/SW304 W/2	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023	22/09/2023
E. coli	cfu/100mL	<18 MPN/100mL	<10	<10	<10	<10
Faecal Coliforms	cfu/100mL	<18 MPN/100mL	<10	<10	<10	<10

Microbiologocal Testing					
Our Reference		333594-51	333594-52	333594-58	333594-59
Your Reference	UNITS	3365/SW307 W/1	3365/SW307 W/2	SW204 W/1	SW204 W/2
Date Sampled		18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023	18/09/2023-20/09/2023
Type of sample		Water	Water	Water	Water
Date of testing	-	22/09/2023	22/09/2023	22/09/2023	22/09/2023
E. coli	cfu/100mL	<18 MPN/100mL	<18 MPN/100mL	200	90 A
Faecal Coliforms	cfu/100mL	<18 MPN/100mL	<18 MPN/100mL	200	90 A

Method ID	Methodology Summary
Ext-008	Subcontracted to Sonic Food & Water Testing. NATA Accreditation No. 4034.
Inorg-001	pH - Measured using pH meter and electrode in accordance with APHA latest edition, 4500-H+. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.
Inorg-002	Conductivity and Salinity - measured using a conductivity cell at 25°C in accordance with APHA latest edition 2510 and Rayment & Lyons.
Inorg-019	Suspended Solids - determined gravimetricially by filtration of the sample. The samples are dried at 104+/-5°C.
Inorg-055/062/127	Total Nitrogen - Calculation sum of TKN and oxidised Nitrogen. Alternatively analysed by combustion and chemiluminescence.
Inorg-060	Phosphate determined colourimetrically based on EPA365.1 and APHA latest edition 4500 P E. Waters samples are filtered on receipt prior to analysis. Soils are analysed following a water extraction.
INORG-119	Chlorophyll A based on APHA 10200 H latest edition.
Metals-020	Determination of various metals by ICP-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Metals-022	Determination of various metals by ICP-MS. Please note for Bromine and Iodine, any forms of these elements that are present are included together in the one result reported for each of these two elements. Salt forms (e.g. FeO, PbO, ZnO) are determinined stoichiometrically from the base metal concentration.
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-021	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			22/09/2023	8	22/09/2023	22/09/2023		22/09/2023	[NT]
Date analysed	-			25/09/2023	8	25/09/2023	25/09/2023		25/09/2023	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	<10	8	<10	<10	0	105	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	<10	8	<10	<10	0	105	[NT]
Surrogate Dibromofluoromethane	%		Org-023	112	8	111	101	9	104	[NT]
Surrogate Toluene-d8	%		Org-023	110	8	105	99	6	106	[NT]
Surrogate 4-Bromofluorobenzene	%		Org-023	99	8	102	100	2	103	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	[NT]
Date extracted	-			[NT]	17	22/09/2023	22/09/2023		22/09/2023	[NT]
Date analysed	-			[NT]	17	25/09/2023	25/09/2023		25/09/2023	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	17	<10	<10	0	100	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	17	<10	<10	0	100	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	17	108	102	6	105	[NT]
Surrogate Toluene-d8	%		Org-023	[NT]	17	106	98	8	106	[NT]
Surrogate 4-Bromofluorobenzene	%		Org-023	[NT]	17	98	101	3	104	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	[NT]
Date extracted	-			[NT]	27	22/09/2023	22/09/2023		22/09/2023	[NT]
Date analysed	-			[NT]	27	25/09/2023	25/09/2023		25/09/2023	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	27	<10	<10	0	101	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	27	<10	<10	0	101	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	27	115	101	13	108	[NT]
Surrogate Toluene-d8	%		Org-023	[NT]	27	110	102	8	109	[NT]
Surrogate 4-Bromofluorobenzene	%		Org-023	[NT]	27	101	105	4	104	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	37	22/09/2023	22/09/2023		[NT]	[NT]
Date analysed	-			[NT]	37	25/09/2023	25/09/2023		[NT]	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	37	<10	<10	0	[NT]	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	37	<10	<10	0	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	37	96	102	6	[NT]	[NT]
Surrogate Toluene-d8	%		Org-023	[NT]	37	101	98	3	[NT]	[NT]
Surrogate 4-Bromofluorobenzene	%		Org-023	[NT]	37	95	100	5	[NT]	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	47	22/09/2023	22/09/2023		[NT]	[NT]
Date analysed	-			[NT]	47	25/09/2023	25/09/2023		[NT]	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	47	<10	<10	0	[NT]	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	47	<10	<10	0	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	47	113	100	12	[NT]	[NT]
Surrogate Toluene-d8	%		Org-023	[NT]	47	105	98	7	[NT]	[NT]
Surrogate 4-Bromofluorobenzene	%		Org-023	[NT]	47	103	99	4	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	333594-9
Date extracted	-			22/09/2023	7	22/09/2023	22/09/2023		22/09/2023	22/09/2023
Date analysed	-			23/09/2023	7	23/09/2023	23/09/2023		23/09/2023	23/09/2023
TRH C_{10} - C_{14}	µg/L	50	Org-020	<50	7	68	69	1	80	85
TRH C_{15} - C_{28}	µg/L	100	Org-020	<100	7	560	610	9	86	93
TRH C_{29} - C_{36}	µg/L	100	Org-020	<100	7	<100	<100	0	86	87
TRH >C_{10} - C_{16}	µg/L	50	Org-020	<50	7	400	380	5	80	85
TRH >C_{16} - C_{34}	µg/L	100	Org-020	<100	7	260	330	24	86	93
TRH >C_{34} - C_{40}	µg/L	100	Org-020	<100	7	<100	<100	0	86	87
Surrogate o-Terphenyl	%		Org-020	81	7	78	72	8	86	101

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	333594-14
Date extracted	-			[NT]	17	22/09/2023	22/09/2023		22/09/2023	22/09/2023
Date analysed	-			[NT]	17	23/09/2023	23/09/2023		23/09/2023	23/09/2023
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	17	<50	<50	0	71	101
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	17	<100	<100	0	84	98
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	17	<100	<100	0	71	67
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	17	<50	<50	0	71	101
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	17	<100	<100	0	84	98
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	17	<100	<100	0	71	67
Surrogate o-Terphenyl	%		Org-020	[NT]	17	79	78	1	85	115

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	333594-35
Date extracted	-			[NT]	24	22/09/2023	22/09/2023		22/09/2023	22/09/2023
Date analysed	-			[NT]	24	26/09/2023	26/09/2023		23/09/2023	23/09/2023
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	24	<50	<50	0	79	107
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	24	<100	<100	0	93	104
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	24	<100	<100	0	71	71
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	24	<50	<50	0	79	107
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	24	<100	<100	0	93	104
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	24	<100	<100	0	71	71
Surrogate o-Terphenyl	%		Org-020	[NT]	24	100	101	1	94	111

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	27	22/09/2023	22/09/2023		[NT]	[NT]
Date analysed	-			[NT]	27	26/09/2023	26/09/2023		[NT]	[NT]
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	27	<50	<50	0	[NT]	[NT]
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	27	<100	<100	0	[NT]	[NT]
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	27	<100	<100	0	[NT]	[NT]
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	27	<50	<50	0	[NT]	[NT]
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	27	<100	<100	0	[NT]	[NT]
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	27	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-020	[NT]	27	95	91	4	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	34	22/09/2023	22/09/2023		[NT]	[NT]
Date analysed	-			[NT]	34	25/09/2023	26/09/2023		[NT]	[NT]
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	34	<50	<50	0	[NT]	[NT]
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	34	<100	<100	0	[NT]	[NT]
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	34	<100	<100	0	[NT]	[NT]
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	34	<50	<50	0	[NT]	[NT]
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	34	<100	<100	0	[NT]	[NT]
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	34	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-020	[NT]	34	103	85	19	[NT]	[NT]

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	333594-8
Date extracted	-			22/09/2023	7	22/09/2023	22/09/2023		22/09/2023	22/09/2023
Date analysed	-			25/09/2023	7	25/09/2023	25/09/2023		25/09/2023	25/09/2023
Naphthalene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	89	69
Acenaphthylene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	95	71
Fluorene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	91	68
Phenanthrene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	97	70
Anthracene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	99	68
Pyrene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	104	72
Benzo(a)anthracene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	86	63
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	89	67
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	120	7	92	84	9	132	98

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	333594-28
Date extracted	-			[NT]	17	22/09/2023	22/09/2023		22/09/2023	22/09/2023
Date analysed	-			[NT]	17	25/09/2023	25/09/2023		25/09/2023	25/09/2023
Naphthalene	µg/L	0.1	Org-022/025	[NT]	17	<0.1	<0.1	0	94	69
Acenaphthylene	µg/L	0.1	Org-022/025	[NT]	17	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	[NT]	17	<0.1	<0.1	0	102	73
Fluorene	µg/L	0.1	Org-022/025	[NT]	17	<0.1	<0.1	0	96	70
Phenanthrene	µg/L	0.1	Org-022/025	[NT]	17	<0.1	<0.1	0	111	75
Anthracene	µg/L	0.1	Org-022/025	[NT]	17	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	[NT]	17	<0.1	<0.1	0	110	74
Pyrene	µg/L	0.1	Org-022/025	[NT]	17	<0.1	<0.1	0	114	77
Benzo(a)anthracene	µg/L	0.1	Org-022/025	[NT]	17	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	[NT]	17	<0.1	<0.1	0	76	68
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	[NT]	17	<0.1	<0.1	0	114	68
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	[NT]	17	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	[NT]	17	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	[NT]	17	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	17	93	91	2	118	83

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	333594-49
Date extracted	-			[NT]	27	22/09/2023	22/09/2023		22/09/2023	22/09/2023
Date analysed	-			[NT]	27	25/09/2023	28/09/2023		25/09/2023	26/09/2023
Naphthalene	µg/L	0.1	Org-022/025	[NT]	27	<0.1	<0.1	0	122	95
Acenaphthylene	µg/L	0.1	Org-022/025	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	[NT]	27	<0.1	<0.1	0	111	102
Fluorene	µg/L	0.1	Org-022/025	[NT]	27	<0.1	<0.1	0	99	100
Phenanthrene	µg/L	0.1	Org-022/025	[NT]	27	<0.1	<0.1	0	101	104
Anthracene	µg/L	0.1	Org-022/025	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	[NT]	27	<0.1	<0.1	0	99	106
Pyrene	µg/L	0.1	Org-022/025	[NT]	27	<0.1	<0.1	0	104	112
Benzo(a)anthracene	µg/L	0.1	Org-022/025	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	[NT]	27	<0.1	<0.1	0	90	92
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	[NT]	27	<0.1	<0.1	0	97	101
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	27	95	111	16	129	121

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	38	22/09/2023	22/09/2023		[NT]	[NT]
Date analysed	-			[NT]	38	25/09/2023	25/09/2023		[NT]	[NT]
Naphthalene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Acenaphthylene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Fluorene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Anthracene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Pyrene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Benzo(a)anthracene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	[NT]	38	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	38	70	109	44	[NT]	[NT]

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	50	22/09/2023	22/09/2023		[NT]	[NT]
Date analysed	-			[NT]	50	26/09/2023	26/09/2023		[NT]	[NT]
Naphthalene	µg/L	0.1	Org-022/025	[NT]	50	<0.1	<0.1	0	[NT]	[NT]
Acenaphthylene	µg/L	0.1	Org-022/025	[NT]	50	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	[NT]	50	<0.1	<0.1	0	[NT]	[NT]
Fluorene	µg/L	0.1	Org-022/025	[NT]	50	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	µg/L	0.1	Org-022/025	[NT]	50	<0.1	<0.1	0	[NT]	[NT]
Anthracene	µg/L	0.1	Org-022/025	[NT]	50	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	[NT]	50	<0.1	<0.1	0	[NT]	[NT]
Pyrene	µg/L	0.1	Org-022/025	[NT]	50	<0.1	<0.1	0	[NT]	[NT]
Benzo(a)anthracene	µg/L	0.1	Org-022/025	[NT]	50	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	[NT]	50	<0.1	<0.1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	[NT]	50	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	[NT]	50	<0.1	<0.1	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	[NT]	50	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	[NT]	50	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	[NT]	50	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	50	117	125	7	[NT]	[NT]

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	333594-8
Date extracted	-			22/09/2023	7	22/09/2023	22/09/2023		22/09/2023	22/09/2023
Date analysed	-			25/09/2023	7	25/09/2023	25/09/2023		25/09/2023	25/09/2023
alpha-BHC	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	93	70
HCB	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	94	69
gamma-BHC	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	98	67
delta-BHC	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	93	66
Heptachlor Epoxide	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	92	71
gamma-Chlordane	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	106	76
Dieldrin	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	107	77
Endrin	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	97	73
Endosulfan II	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	94	68
Endrin Aldehyde	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	86	67
Methoxychlor	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	104	7	87	79	10	122	91

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	333594-28
Date extracted	-			[NT]	17	22/09/2023	22/09/2023		22/09/2023	22/09/2023
Date analysed	-			[NT]	17	25/09/2023	25/09/2023		25/09/2023	25/09/2023
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	94	68
HCB	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	96	68
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	108	70
delta-BHC	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	111	68
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	107	76
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	120	81
Dieldrin	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	132	76
Endrin	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	112	68
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	114	69
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	100	62
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	17	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	17	85	88	3	102	78

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	333594-49
Date extracted	-			[NT]	27	22/09/2023	22/09/2023		22/09/2023	22/09/2023
Date analysed	-			[NT]	27	25/09/2023	28/09/2023		25/09/2023	26/09/2023
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	101	101
HCB	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	101	102
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	93	101
delta-BHC	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	92	102
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	84	104
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	106	115
Dieldrin	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	112	124
Endrin	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	90	112
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	99	107
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	87	98
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	27	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	27	87	95	9	133	112

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	38	22/09/2023	22/09/2023		[NT]	[NT]
Date analysed	-			[NT]	38	25/09/2023	25/09/2023		[NT]	[NT]
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
HCB	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
delta-BHC	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Dieldrin	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Endrin	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	38	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	38	70	105	40	[NT]	[NT]

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	50	22/09/2023	22/09/2023		[NT]	[NT]
Date analysed	-			[NT]	50	26/09/2023	26/09/2023		[NT]	[NT]
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	50	<0.2	<0.2	0	[NT]	[NT]
HCB	µg/L	0.2	Org-022/025	[NT]	50	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	50	<0.2	<0.2	0	[NT]	[NT]
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	50	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	50	<0.2	<0.2	0	[NT]	[NT]
delta-BHC	µg/L	0.2	Org-022/025	[NT]	50	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	50	<0.2	<0.2	0	[NT]	[NT]
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	50	<0.2	<0.2	0	[NT]	[NT]
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	50	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	50	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	50	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	50	<0.2	<0.2	0	[NT]	[NT]
Dieldrin	µg/L	0.2	Org-022/025	[NT]	50	<0.2	<0.2	0	[NT]	[NT]
Endrin	µg/L	0.2	Org-022/025	[NT]	50	<0.2	<0.2	0	[NT]	[NT]
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	50	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	50	<0.2	<0.2	0	[NT]	[NT]
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	50	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	50	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	50	<0.2	<0.2	0	[NT]	[NT]
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	50	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	50	108	101	7	[NT]	[NT]

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	333594-8
Date extracted	-			22/09/2023	7	22/09/2023	22/09/2023		22/09/2023	22/09/2023
Date analysed	-			25/09/2023	7	25/09/2023	25/09/2023		25/09/2023	25/09/2023
Aroclor 1016	µg/L	2	Org-021	<2	7	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	<2	7	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	<2	7	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	<2	7	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	<2	7	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	<2	7	<2	<2	0	115	100
Aroclor 1260	µg/L	2	Org-021	<2	7	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	104	7	87	79	10	99	91

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	333594-28
Date extracted	-			[NT]	17	22/09/2023	22/09/2023		22/09/2023	22/09/2023
Date analysed	-			[NT]	17	25/09/2023	25/09/2023		25/09/2023	25/09/2023
Aroclor 1016	µg/L	2	Org-021	[NT]	17	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	[NT]	17	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	[NT]	17	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	[NT]	17	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	[NT]	17	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	[NT]	17	<2	<2	0	119	109
Aroclor 1260	µg/L	2	Org-021	[NT]	17	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	17	85	88	3	102	78

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	333594-49
Date extracted	-			[NT]	27	22/09/2023	22/09/2023		22/09/2023	22/09/2023
Date analysed	-			[NT]	27	25/09/2023	28/09/2023		25/09/2023	26/09/2023
Aroclor 1016	µg/L	2	Org-021	[NT]	27	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	[NT]	27	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	[NT]	27	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	[NT]	27	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	[NT]	27	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	[NT]	27	<2	<2	0	136	140
Aroclor 1260	µg/L	2	Org-021	[NT]	27	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	27	87	95	9	133	112

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	38	22/09/2023	22/09/2023		[NT]	[NT]
Date analysed	-			[NT]	38	25/09/2023	25/09/2023		[NT]	[NT]
Aroclor 1016	µg/L	2	Org-021	[NT]	38	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	[NT]	38	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	[NT]	38	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	[NT]	38	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	[NT]	38	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	[NT]	38	<2	<2	0	[NT]	[NT]
Aroclor 1260	µg/L	2	Org-021	[NT]	38	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	38	70	105	40	[NT]	[NT]

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	50	22/09/2023	22/09/2023		[NT]	[NT]
Date analysed	-			[NT]	50	26/09/2023	26/09/2023		[NT]	[NT]
Aroclor 1016	µg/L	2	Org-021	[NT]	50	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021	[NT]	50	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021	[NT]	50	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021	[NT]	50	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021	[NT]	50	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021	[NT]	50	<2	<2	0	[NT]	[NT]
Aroclor 1260	µg/L	2	Org-021	[NT]	50	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	50	108	101	7	[NT]	[NT]

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	333594-8
Date prepared	-			22/09/2023	7	22/09/2023	22/09/2023		22/09/2023	22/09/2023
Date analysed	-			26/09/2023	7	26/09/2023	26/09/2023		26/09/2023	26/09/2023
Aluminium-Total	µg/L	10	Metals-022	<10	7	700	540	26	115	#
Arsenic-Total	µg/L	1	Metals-022	<1	7	3	2	40	109	101
Chromium-Total	µg/L	1	Metals-022	<1	7	<1	<1	0	114	97
Copper-Total	µg/L	1	Metals-022	<1	7	7	6	15	118	96
Iron-Total	µg/L	10	Metals-022	<10	7	3500	3200	9	110	#
Mercury-Total	µg/L	0.05	Metals-021	<0.05	7	<0.05	<0.05	0	90	88
Lead-Total	µg/L	1	Metals-022	<1	7	2	1	67	112	99
Selenium-Total	µg/L	1	Metals-022	<1	7	<1	<1	0	109	101
Zinc-Total	µg/L	1	Metals-022	<1	7	41	41	0	107	111

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W4	333594-28
Date prepared	-			[NT]	17	22/09/2023	22/09/2023		22/09/2023	22/09/2023
Date analysed	-			[NT]	17	26/09/2023	26/09/2023		26/09/2023	26/09/2023
Aluminium-Total	µg/L	10	Metals-022	[NT]	17	30	[NT]		107	#
Arsenic-Total	µg/L	1	Metals-022	[NT]	17	2	[NT]		106	99
Chromium-Total	µg/L	1	Metals-022	[NT]	17	<1	[NT]		103	96
Copper-Total	µg/L	1	Metals-022	[NT]	17	<1	[NT]		118	76
Iron-Total	µg/L	10	Metals-022	[NT]	17	140	[NT]		117	#
Mercury-Total	µg/L	0.05	Metals-021	[NT]	17	<0.05	<0.05	0	94	95
Lead-Total	µg/L	1	Metals-022	[NT]	17	<1	[NT]		112	85
Selenium-Total	µg/L	1	Metals-022	[NT]	17	<1	[NT]		112	94
Zinc-Total	µg/L	1	Metals-022	[NT]	17	2	[NT]		119	75

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W5	333594-48
Date prepared	-			[NT]	21	22/09/2023	22/09/2023		22/09/2023	22/09/2023
Date analysed	-			[NT]	21	26/09/2023	26/09/2023		26/09/2023	26/09/2023
Aluminium-Total	µg/L	10	Metals-022	[NT]	21	90	110	20	108	99
Arsenic-Total	µg/L	1	Metals-022	[NT]	21	2	2	0	104	108
Chromium-Total	µg/L	1	Metals-022	[NT]	21	<1	<1	0	111	108
Copper-Total	µg/L	1	Metals-022	[NT]	21	<1	2	67	112	87
Iron-Total	µg/L	10	Metals-022	[NT]	21	180	200	11	113	83
Mercury-Total	µg/L	0.05	Metals-021	[NT]	21	<0.05	[NT]		85	93
Lead-Total	µg/L	1	Metals-022	[NT]	21	<1	<1	0	120	93
Selenium-Total	µg/L	1	Metals-022	[NT]	21	<1	<1	0	111	102
Zinc-Total	µg/L	1	Metals-022	[NT]	21	<1	2	67	116	92

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	27	22/09/2023	22/09/2023		[NT]	[NT]
Date analysed	-			[NT]	27	26/09/2023	26/09/2023		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	27	230	240	4	[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	27	2	2	0	[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	27	<1	<1	0	[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	27	<1	<1	0	[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	27	450	450	0	[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	27	<0.05	<0.05	0	[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	27	<1	<1	0	[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	27	<1	<1	0	[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	27	1	1	0	[NT]	[NT]

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	37	22/09/2023	22/09/2023		[NT]	[NT]
Date analysed	-			[NT]	37	26/09/2023	26/09/2023		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	37	30	20	40	[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	37	2	2	0	[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	37	<1	<1	0	[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	37	<1	<1	0	[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	37	40	40	0	[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	37	<0.05	<0.05	0	[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	37	<1	<1	0	[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	37	<1	<1	0	[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	37	5	5	0	[NT]	[NT]

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	47	22/09/2023	22/09/2023		[NT]	[NT]
Date analysed	-			[NT]	47	26/09/2023	26/09/2023		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	47	30	20	40	[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	47	1	1	0	[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	47	<1	<1	0	[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	47	<1	<1	0	[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	47	80	70	13	[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	47	<0.05	<0.05	0	[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	47	<1	<1	0	[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	47	<1	<1	0	[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	47	8	5	46	[NT]	[NT]

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	58	22/09/2023	22/09/2023		[NT]	[NT]
Date analysed	-			[NT]	58	26/09/2023	26/09/2023		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	58	720	650	10	[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	58	3	3	0	[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	58	1	1	0	[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	58	1	1	0	[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	58	2400	2200	9	[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	58	<0.05	<0.05	0	[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	58	<1	<1	0	[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	58	<1	<1	0	[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	58	6	4	40	[NT]	[NT]

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	333594-3
Date prepared	-			22/09/2023	1	22/09/2023	22/09/2023		22/09/2023	22/09/2023
Date analysed	-			22/09/2023	1	22/09/2023	22/09/2023		22/09/2023	22/09/2023
Phosphorus - Total	mg/L	0.05	Metals-020	<0.05	1	0.1	0.09	11	98	108

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	333594-23
Date prepared	-			[NT]	7	22/09/2023	22/09/2023		22/09/2023	22/09/2023
Date analysed	-			[NT]	7	22/09/2023	22/09/2023		22/09/2023	22/09/2023
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	7	1.3	1.3	0	112	100

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	333594-43
Date prepared	-			[NT]	21	22/09/2023	22/09/2023		22/09/2023	22/09/2023
Date analysed	-			[NT]	21	22/09/2023	22/09/2023		22/09/2023	22/09/2023
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	21	<0.05	<0.05	0	106	105

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	27	22/09/2023	22/09/2023		[NT]	[NT]
Date analysed	-			[NT]	27	22/09/2023	22/09/2023		[NT]	[NT]
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	27	<0.05	<0.05	0	[NT]	[NT]

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	41	22/09/2023	22/09/2023		[NT]	[NT]
Date analysed	-			[NT]	41	22/09/2023	22/09/2023		[NT]	[NT]
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	41	0.07	0.07	0	[NT]	[NT]

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	47	22/09/2023	22/09/2023		[NT]	[NT]
Date analysed	-			[NT]	47	22/09/2023	22/09/2023		[NT]	[NT]
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	47	<0.05	<0.05	0	[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	333594-2
Date prepared	-			21/09/2023	1	21/09/2023	21/09/2023		21/09/2023	21/09/2023
Date analysed	-			21/09/2023	1	21/09/2023	21/09/2023		21/09/2023	21/09/2023
Total Suspended Solids	mg/L	5	Inorg-019	<5	7	54	57	5	108	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	<0.1	1	0.1	0.1	0	99	87
Phosphate as P in water	mg/L	0.005	Inorg-060	<0.005	1	<0.005	<0.005	0	85	101
Chlorophyll a	mg/m^3	1	INORG-119	<1	7	3	[NT]		100	[NT]
pH	pH Units		Inorg-001	[NT]	[NT]	[NT]	[NT]	[NT]	101	[NT]
Electrical Conductivity	µS/cm	1	Inorg-002	<1	[NT]	[NT]	[NT]	[NT]	101	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	333594-13
Date prepared	-			[NT]	7	21/09/2023	21/09/2023		21/09/2023	21/09/2023
Date analysed	-			[NT]	7	21/09/2023	21/09/2023		21/09/2023	21/09/2023
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	11	8	[NT]		83	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	7	12	[NT]		98	83
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	7	0.54	[NT]		83	93
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	11	4	[NT]		105	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	333594-22
Date prepared	-			[NT]	11	21/09/2023	21/09/2023		21/09/2023	21/09/2023
Date analysed	-			[NT]	11	21/09/2023	21/09/2023		21/09/2023	21/09/2023
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	21	8	[NT]		94	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	11	0.2	0.2	0	99	96
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	11	0.008	0.007	13	88	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	21	<2	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	333594-42
Date prepared	-			[NT]	21	21/09/2023	21/09/2023		[NT]	21/09/2023
Date analysed	-			[NT]	21	21/09/2023	21/09/2023		[NT]	21/09/2023
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	21	0.1	0.1	0	[NT]	96
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	21	<0.005	<0.005	0	[NT]	83
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	31	6	[NT]		[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	31	<2	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	31	21/09/2023	21/09/2023		[NT]	[NT]
Date analysed	-			[NT]	31	21/09/2023	21/09/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	31	0.2	0.2	0	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	31	<0.005	<0.005	0	[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	41	12	[NT]		[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	41	110	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	41	21/09/2023	21/09/2023		[NT]	[NT]
Date analysed	-			[NT]	41	21/09/2023	21/09/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	41	1.2	1.4	15	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	41	<0.005	<0.005	0	[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	45	120	120	0	[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	45	5	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	45	21/09/2023	21/09/2023		[NT]	[NT]
Date analysed	-			[NT]	45	21/09/2023	21/09/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	45	2.0	[NT]		[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	45	<0.005	[NT]		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	51	66	68	3	[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	51	7	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	51	21/09/2023	21/09/2023		[NT]	[NT]
Date analysed	-			[NT]	51	21/09/2023	21/09/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	51	1.4	1.4	0	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	51	<0.005	<0.005	0	[NT]	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

The recommended maximums for analytes in urine are taken from “2018 TLVs and BEIs”, as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016.

Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Where matrix spike recoveries fall below the lower limit of the acceptance criteria (e.g. for non-labile or standard Organics <60%), positive result(s) in the parent sample will subsequently have a higher than typical estimated uncertainty (MU estimates supplied on request) and in these circumstances the sample result is likely biased significantly low.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Report Comments

Microbiology analysed by Sonic Food & Water Testing. Report No. W2322189-196
NBO: The presence of competing background organisms in the sample may have reduced the count.
A: Approximate
^ The stated result may be statistically unreliable
The time between collection and the commencement of testing should not exceed 24 hours. Samples tested outside this time may have their results compromised

All metals in water - total - # Percent recovery is not applicable due to the high concentration of the element/s in the sample/s. However an acceptable recovery was obtained for the LCS.

Chlorophyll a:PQL has been raised due to the small volume of sample supplied.

TRH_W_VOL_NEPM:The PQL has been raised as sample/s 333594-7,46,51,52 was/were foamy and therefore required a dilution.

Lab Document Event 10

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SAMPLE RECEIPT ADVICE

Client Details

Client	Martens & Associates Pty Ltd
Attention	Trystan Richards

Sample Login Details

Your reference	P1203365 – Water Sampling, West Culburra, NSW
Envirolab Reference	333594
Date Sample Received	21/09/2023
Date Instructions Received	21/09/2023
Date Results Expected to be Reported	28/09/2023

Sample Condition

Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	59 Water
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	4
Cooling Method	Ice
Sampling Date Provided	YES

Comments

Extra samples SW204 W/1 and W/2

Please direct any queries to:

Aileen Hie	Jacinta Hurst
Phone: 02 9910 6200	**Phone: 02 9910 6200**
Fax: 02 9910 6201	**Fax: 02 9910 6201**
Email: ahie@envirolab.com.au	**Email: jhurst@envirolab.com.au**

Analysis Underway, details on the following page:

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Sample ID	vTRH in Water (C6-C9) NEPM	svTRH (C10-C40) in Water	PAHs in Water	Organochlorine Pesticides in Water	PCBs in Water	All metals in water - total	Metals in Waters -Acid extractable	Total Suspended Solids	Total Nitrogen in water	Phosphate as P in water	Chlorophyll a	pH	Electrical Conductivity	Microbiologocal Testing
3365/GW01							✓		✓	✓				✓
3365/GW02							✓		✓	✓				✓
3365/GW03							✓		✓	✓				✓
3365/GW04							✓		✓	✓				✓
3365/GW06							✓		✓	✓				✓
3365/GW07							✓		✓	✓				✓
3365/SW101	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW102	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW201 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW201 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW202 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW202 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW203 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW203 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW205 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW205 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW206 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW206 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW207 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW207 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW208 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW208 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW209 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW209 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW210 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW210 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW211 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW211 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW212 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW212 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW213 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW213 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓

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Sample ID	vTRH in Water (C6-C9) NEPM	svTRH (C10-C40) in Water	PAHs in Water	Organochlorine Pesticides in Water	PCBs in Water	All metals in water - total	Metals in Waters -Acid extractable	Total Suspended Solids	Total Nitrogen in water	Phosphate as P in water	Chlorophyll a	pH	Electrical Conductivity	Microbiologocal Testing
3365/SW214 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW214 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW215 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW215 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW216 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW216 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW217 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW217 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW302 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW302 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW303 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW303 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW304 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW304 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW305 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW305 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW306 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW306 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW307 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW307 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
3365/DUP01						✓								
3365/DUP02						✓								
3365/DUP03						✓								
3365/DUP04						✓								
3365/GW DUP01												✓	✓	
SW204 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
SW204 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

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Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.
Requests for longer term sample storage must be received in writing.
Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.
TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

COC 21/9 11:56

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SAMPLE ANALYSIS CHAIN OF CUSTODY FORM

WEST CULBURRA – ENVIROLAB QUOTATION – 22SY375_B0													
Name	P1203365 – Water Sampling, West Culburra, NSW												
Martens Contact Officer	Trystan Richards					**Contact Email**	trichards@martens.com.au						
Sampling and Shipping	**Sample Date**	18.09.2023 – 20.09.2023	**Dispatch Date**		21.09.2023	**Turnaround Time**			Standard				
	Our Reference	P1203365COC31V01				**Shipping Method (X)**	**Hand**	X	**Post**		**Courier**		
	On Ice (X)	X	**No Ice (X)**		**Other (X)**								
Laboratory													
Name	Envirolab Services P/L												
Sample Delivery Address	12 Ashley St, Chatswood												
Delivery Contact	**Name**	Sample Receipt	**Phone**	02 9910 6200	**Fax**		**Email**	samplereceipt@envirolabservices.com.au					
Please Send Report By (X)	**Post**		**Fax**		**Email**	X	**Reporting Email Address**	trichards@martens.com.au and CC ANorris@martens.com.au					

	Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN, TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
1	3365/GW01						X	
2	3365/GW02						X	
3	3365/GW03						X	
4	3365/GW04						X	
5	3365/GW06						X	
6	3365/GW07						X	
							X	
7	3365/SW101	X	X	X	X			
8	3365/SW102	X	X	X	X			

ENVIROLAB

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200

Job No: 333594

Date Received: 21/9/23

Time Received: 1200

Received By:

Temp: Cool/Ambient R 4°C

Cooling: Ice/Icepack

Security: Intact/Broken/None

Head Office
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Hornsby NSW 2077, Australia
Ph 02 9476 9999 **Fax** 02 9476 8767

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> www.martens.com.au
MARTENS & ASSOCIATES P/L
ABN 85 070 240 890 ACN 070 240 890

SOIL ANALYSIS CHAIN OF CUSTODY

Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN. TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
9 3365/SW201 W/1	X	X	X	X			
10 3365/SW201 W/2	X	X	X	X			
11 3365/SW202 W/1	X	X	X	X			
12 3365/SW202 W/2	X	X	X	X			
13 3365/SW203 W/1	X	X	X	X			
14 3365/SW203 W/2	X	X	X	X			
15 3365/SW205 W/1	X	X	X	X			
16 3365/SW205 W/1	X	X	X	X			
17 3365/SW206 W/1	X	X	X	X			
18 3365/SW206 W/2	X	X	X	X			
19 3365/SW207 W/1	X	X	X	X			
20 3365/SW207 W/2	X	X	X	X			
21 3365/SW208 W/1	X	X	X	X			
22 3365/SW208 W/2	X	X	X	X			
23 3365/SW209 W/1	X	X	X	X			
24 3365/SW209 W/2	X	X	X	X			
25 3365/SW210 W/1	X	X	X	X			
26 3365/SW210 W/2	X	X	X	X			
27 3365/SW211 W/1	X	X	X	X			
28 3365/SW211 W/2	X	X	X	X			
29 3365/SW212 W/1	X	X	X	X			
30 3365/SW212 W/2	X	X	X	X			
31 3365/SW213 W/1	X	X	X	X			
32 3365/SW213 W/2	X	X	X	X			
33 3365/SW214 W/1	X	X	X	X			
34 3365/SW214 W/2	X	X	X	X			
35 3365/SW215 W/1	X	X	X	X			
36 3365/SW215 W/2	X	X	X	X			
37 3365/SW216 W/1	X	X	X	X			
38 3365/SW216 W/2	X	X	X	X			

SOIL ANALYSIS CHAIN OF CUSTODY

Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN. TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
39 3365/SW217 W/1	X	X	X	X			
40 3365/SW217 W/2	X	X	X	X			
41 3365/SW302 W/1	X	X	X	X			
42 3365/SW302 W/2	X	X	X	X			
43 3365/SW303 W/1	X	X	X	X			
44 3365/SW303 W/2	X	X	X	X			
45 3365/SW304 W/1	X	X	X	X			
46 3365/SW304 W/2	X	X	X	X			
47 3365/SW305 W/1	X	X	X	X			
48 3365/SW305 W/2	X	X	X	X			
3365/SW306 W/2	X	X	X	X			
49 3365/SW306 W/1	X	X	X	X			
50 3365/SW306 W/2	X	X	X	X			
51 3365/SW307 W/1	X	X	X	X			
52 3365/SW307 W/2	X	X	X	X			
53 3365/DUP01	X						
54 3365/DUP02	X						
55 3365/DUP03	X						
56 3365/DUP04	X						
57 3365/GW DUP01					X		

58 SW/SW204 W1
59 SW/SW204 W2 7 extra PL

Field Sheet Event 10

WATER SAMPLING FORM - Surface Water

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PROJECT INFORMATION

PROJECT NUMBER: 3365

CLIENT: Sealark Pty Ltd

SITE LOCATION: Culburra

MONTHLY / BIMONTHLY: Bimonthly (Event 10)

WET WEATHER (Y/N): N

DATE:18 - 20 / 09 / 2023

SAMPLED BY: TR + BTM

ROLE: sampler / engineer

SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
101	20th 9:45	E: 293805.1577 N: 6132989.967	WQ Meter	17.4	7.21	-102.8	0.71	0.22	464.5	6.72	Translucent, brown, no sheen, no odour. Y sample collected
102	18th 14:40	E: 293965.373 N: 6132268.998	WQ Meter	16.4	7.56	209.6	6.33	0.06	119.6	7.46	DUP01, no sheen, no odour. Y sample collected
103	18th 14:03	E: 294551.5727 N: 6132544.192									DRY, N sample collected
301	18th	E: 294133.1279 N: 6132132.344									DRY, N sample collected
302	19th 9:36	E: 294417.7457 N: 6131862.805	WQ Meter	15.1	7.26	246.0	7.97	0.13	267.5	15.57	DUP02, no sheen, no odour. Y sample collected
303	19th 10:07	E: 294968.1325 N: 6131646.043	WQ Meter	18.8	8.27	339.5	6.77	36.61	55137	3.16	Transparent borwn no sheen, no odour. Y sample collected
304	18th 16:25	E: 293592.1655 N: 6131495.252	WQ Meter	15.2	8.25	45.6	2.94	0.11	222.5	174.07	Transparent, no sheen, no odour. Y sample collected
305	18th 15:28	E: 293972.9125 N: 6131247.39	WQ Meter	17.0	8.63	251.6	9.72	28.34	43879	5.52	Large amount of green algae present, transparent, no sheen, no odour. Y sample collected
306	18th 16:02	E: 294344.2352 N: 6130631.032	WQ Meter	24.4	8.73	163.7	8.11	33.55	51088	21.09	Algae present, transparent, no sheen, no odour, Y sample collected
307	19th 8:40	E: 292325.5219 N: 6131083.405	WQ Meter	14.4	7.55	165.4	5.92	0.06	117.9	108.67	Translucent, no sheen, no odour, Y sample collected
308		E: 293716.568 N: 6130800.672									DRY, N sample collected

Sample bottle codes: P-plastic, G - glass, V - vial

Preservation Codes - U - unpreserved, S -sulfuric acid, N - nitric acid, H - hydrochloric acid

WATER SAMPLING FORM - Estuary Surface Water

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PROJECT INFORMATION

PROJECT NUMBER: 3365

CLIENT: Sealark Pty Ltd

SITE LOCATION: Culburra

MONTHLY / BIMONTHLY: Bimonthly (Event 10)

WET WEATHER (Y/N): N

DATE: 19 / 09 / 2023

SAMPLED BY: TR + BTM

ROLE: sampler / engineer

SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Depth	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
201	13:07	E: 291599.8406		Shallow (S)	21.7	8.03	175.7	6.39	35.08	53093	4.82	No sheen, no odour, Y sample collected
		N: 6132279.365	WQ Meter	Deep (D)	21.9	7.98	214.8	6.55	35.11	53135	5.11	
202	13:01	E: 292093.6809		S	20.5	8.07	365.5	6.48	35.00	52970	1.81	No sheen, no odour, Y sample collected
		N: 6132720.429	WQ Meter	D	20.4	8.08	369.3	6.64	34.99	52960	1.94	
203	12:52	E: 292802.3981		S	20.8	8.07	363.6	6.43	35.20	53248	9.35	No sheen, no odour, Y sample collected
		N: 6133121.909	WQ Meter	D	20.8	8.08	362.2	6.69	35.17	53207	10.38	
204	20th	E: 293266.0802		S	24.5	7.68	330.3	5.39	16.96	27611	14.76	Organic Sheen, no odour, Y sample collected
	11:45	N: 6132876.874	WQ Meter	D	24.5	7.68	330.5	5.23	22.20	35252	16.51	
205	12:30	E: 293605.3597		S	20.4	8.07	346.0	6.48	35.61	5393	5.24	Organic Sheen, no odour, Y sample collected
		N: 6133080.442	WQ Meter	D	20.3	8.07	352.6	6.46	35.66	53867	5.96	
206	12:25	E: 293650.597		S	20.0	8.09	364.1	6.55	35.89	54176	4.41	No sheen, no odour, Y sample collected
		N: 6133344.326	WQ Meter	D	19.8	8.10	365.8	6.67	36.01	54326	4.71	
207	12:10	E: 293920.1357		S	20.2	8.09	35.46	6.56	35.36	53453	2.57	No sheen, no odour, Y sample collected
		N: 6133182.226	WQ Meter	D	20.2	8.08	355.7	6.58	35.36	53457	2.56	
208	12:16	E: 293893.7473		S	20.0	8.08	362.5	6.44	35.71	53926	4.51	No sheen, no odour, Y sample collected
		N: 6133355.635	WQ Meter	D	19.4	8.09	366.7	6.46	36.50	54744	7.51	

Sample bottle codes: P-plastic, G - glass, V - vial

Preservation Codes - U - unpreserved, S -sulfuric acid, N - nitric acid, H - hydrochloric acid

WATER SAMPLING FORM - Estuary Surface Water

0

PROJECT INFORMATION

PROJECT NUMBER: 3365 | MONTHLY / BIMONTHLY: Bimonthly (Event 10) | SAMPLED BY: TR + BTM

CLIENT: Sealark Pty Ltd | WET WEATHER (Y/N): N | ROLE: sampler / engineer

SITE LOCATION: Culburra | DATE: 19 / 09 / 2023 | SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Depth	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
209	12:05	E: 294229.2571		Shallow (S)	20.5	7.98	338.7	6.21	35.13	53156	8.43	No sheen, no odour, Y sample collected
		N: 6133216.154	WQ Meter	Deep (D)	20.4	7.97	344.8	5.98	35.17	53198	8.50	
210	11:51	E: 294591.1553		S	20.7	7.99	361.6	6.24	34.87	52798	13.29	No sheen, no odour, Y sample collected
		N: 6132850.486	WQ Meter	D	20.7	7.99	365.7	6.10	34.85	52777	80.68	
211	11:45	E: 294994.521		S	20.9	7.89	356.3	5.77	35.63	53065	11.99	No sheen, no odour, Y sample collected
		N: 6132922.111	WQ Meter	D	20.9	7.88	367.2	5.42	35.06	53055	12.28	
212	11:58	E: 294583.6157		S	19.6	8.15	190.1	6.75	35.45	53579	5.75	No sheen, no odour, Y sample collected
		N: 6133133.219	WQ Meter	D	19.7	8.10	226.1	6.67	35.26	53322	4.94	
213	11:30	E: 294847.4998		S	19.9	8.09	346.9	6.57	35.36	53463	2.13	No sheen, no odour, Y sample collected
		N: 6133472.498	WQ Meter	D	19.9	8.09	348.8	6.57	35.37	53468	2.19	
214	11:35	E: 294994.521		S	20.8	7.94	359.3	5.77	34.87	52868	7.20	DUP04, organic sheen, no odour, Y sample collected
		N: 6133970.108	WQ Meter	D	20.6	7.87	365.2	5.43	35.09	53032	12.69	
215	12:40	E: 293950.2939		S	18.5	8.26	161.4	6.97	36.80	55398	0.32	No sheen, no odour, Y sample collected
		N: 6133668.526	WQ Meter	D	18.5	8.16	206.6	6.95	36.82	55420	0.33	
216	11:10	E: 293079.4764		S	17.7	8.17	245.5	7.20	37.30	56075	-0.62	Dup03, no sheen, no odour, Y sample collected
		N: 6134471.488	WQ Meter	D	17.7	8.18	275.7	7.26	37.31	56083	-0.39	
217	11:16	E: 293520.5398		S	17.6	8.17	299.5	6.94	37.33	56113	-0.63	No sheen, no odour, Y sample collected
		N: 6134963.443	WQ Meter	D	17.5	8.18	311.4	7.08	37.35	56141	-0.84	

Sample bottle codes: P-plastic, G - glass, V - vial

Preservation Codes - U - unpreserved, S -sulfuric acid, N - nitric acid, H - hydrochloric acid

WQ calibration certificate Event 10

Multi Parameter Water Meter

Instrument YSI Pro DSS
Serial No. 15D101557

Air-Met Scientific Pty Ltd
1300 137 067

Item	Test	Pass	Comments
Battery	Charge Condition	✓	
	Fuses	✓	
	Capacity	✓	
	Recharge OK?	✓	
Switch/keypad	Operation	✓	
Display	Intensity	✓	
	Operation (segments)	✓	
Grill Filter	Condition	✓	
	Seal	✓	
PCB	Condition	✓	
Connectors	Condition	✓	
Sensor			
	1. Turbidity	✓	
Alarms	Beeper		
	Settings		
Software	Version		
Data logger	Operation		
Download	Operation		
Other tests:			

Certificate of Calibration

This is to certify that the above instrument has been calibrated to the following specifications:

Sensor	Serial no	Standard Solutions	Certified	Solution Bottle Number	Instrument Reading
1. EC		2760uS/cm		401089	2762uS/cm
2. Temp		23.0°C		Testo	22.8°C
3. pH 4		pH 4.00		399527	pH 4.03
4. pH 7		pH 7.00		399304	pH 7.01
5. DO		0.00%		399958	-0.5%
6.Turbidity		100NTU		402593	103.3NTU
7. ORP		233.84mV		A393379/B398193	233.6mV

Calibrated by: **Guido Camera**

Calibration date: **14/09/2023**

Next calibration due: **14/10/2023**

Appendix W – Event 11 Data

Table 62: Estuary surface water - laboratory data event 11

		TRH					Biological			Halogenated Benzenes	Inorganics				Metals								
		C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)	Aluminium	Arsenic	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
		µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL		10	50	100	100	50	1	1	0.001	0.2	0.1	0.05	0.005	5	0.01	0.001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Date**																						
SW205	**17 Oct 2023**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.2	<0.1	0.007	12	0.11	0.001	<0.001	<0.001	0.25	<0.001	<0.00005	<0.001	0.016
SW207	**17 Oct 2023**	<10	<50	<100	<100	<50	<10	<10	0.003	<0.2	0.2	<0.1	0.006	9	0.08	0.001	<0.001	<0.001	0.15	<0.001	<0.00005	<0.001	0.013
SW210	**17 Oct 2023**	<10	<50	<100	<100	<50	20^A	20^A	0.001	<0.2	0.1	<0.1	0.005	18	0.29	0.002	0.001	<0.001	0.69	<0.001	<0.00005	<0.001	0.024
SW211	**17 Oct 2023**	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.2	<0.1	0.006	22	0.29	0.002	0.001	0.001	0.58	<0.001	<0.00005	<0.001	0.006
Statistics																							
Number of Results		**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**0**	**4**	**0**	**4**	**4**	**4**	**4**	**2**	**1**	**4**	**0**	**0**	**0**	**4**
Minimum Concentration		**<10**	**<50**	**<100**	**<100**	**<50**	**<10**	**<10**	**0.001**	**<0.2**	**0.1**	**<0.1**	**0.005**	**9**	**0.08**	**0.001**	**0.001**	**0.001**	**0.15**	**<0.001**	**<0.00005**	**<0.001**	**0.006**
Maximum Concentration		**<10**	**<50**	**<100**	**<100**	**<50**	**<10**	**<10**	**0.003**	**<0.2**	**0.2**	**<0.1**	**0.007**	**22**	**0.29**	**0.002**	**0.001**	**0.001**	**0.69**	**<0.001**	**<0.00005**	**<0.001**	**0.024**
Average Concentration *		**10**	**50**	**100**	**100**	**50**	**10**	**10**	**0.0018**	**0.2**	**0.18**	**0.1**	**0.006**	**15**	**0.19**	**0.0015**	**0.001**	**0.001**	**0.42**	**0.001**	**0.00005**	**0.001**	**0.015**
Median Concentration *		**10**	**50**	**100**	**100**	**50**	**10**	**10**	**0.0015**	**0.2**	**0.2**	**0.1**	**0.006**	**15**	**0.2**	**0.0015**	**0.001**	**0.001**	**0.415**	**0.001**	**0.00005**	**0.001**	**0.0145**

* A Non Detect Multiplier of 1 has been applied.

		Organochlorine Pesticides																	
		4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Date**																			
SW205	**17 Oct 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**17 Oct 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**17 Oct 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**17 Oct 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Statistics																				
Number of Results		**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Maximum Concentration		**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Average Concentration *		**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**
Median Concentration *		**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

* A Non Detect Multiplier of 1 has been applied.

		PAH																
		Benzo(b+j+k)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
		mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL		0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0005	0.0001
Location Code	**Date**																	
SW205	**17 Oct 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW207	**17 Oct 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW210	**17 Oct 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW211	**17 Oct 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
Statistics																		
Number of Results		**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Maximum Concentration		**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Average Concentration *		**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0005**	**0.0001**
Median Concentration *		**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0005**	**0.0001**

* A Non Detect Multiplier of 1 has been applied.

		PCBs							TPH				
		Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Date**												
SW205	**17 Oct 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	**17 Oct 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	**17 Oct 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	**17 Oct 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
Statistics													
Number of Results		**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Maximum Concentration		**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Average Concentration *		**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**100**	**100**	**50**
Median Concentration *		**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**100**	**100**	**50**

* A Non Detect Multiplier of 1 has been applied.

Table 63: Estuary surface water – water quality data event 11

Sampling Site ID	Shallow / Deep[1]	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)
205	S	16.0	7.91	86.6	7.8	36.13	45162	2.52
205	D	16.0	7.89	87.8	7.8	36.16	45198	2.79
207	S	16.3	7.87	107.7	8.1	35.86	45159	2.82
207	D	16.3	7.87	108.0	8.0	35.94	45267	7.97
210	S	15.5	17.62	-603.9	7.9	34.84	43204	7.14
210	D	15.5	14.11	-227.9	7.7	35.69	44194	20.29
211	S	14.8	7.74	114.7	8.5	36.39	44192	10.0
211	D	14.8	7.75	114.1	8.1	36.47	44334	17.36

[1]Shallow (S) indicates water quality taken from top of water column. Deep (D) indicates water quality taken from below of the water column.

Table 64: Estuary surface water – water quality data event 11 statistical summary

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)
min	14.8	7.74	-603.9	7.7	34.84	43204	2.52
max	16.3	17.62	114.7	8.5	36.47	45267	20.29
mean	15.7	9.85	-26.6	8.0	35.94	44589	8.86
median	15.8	7.88	97.8	8.0	36.04	44747	7.56
range	1.5	9.88	718.6	0.8	1.63	2063	17.77

Appendix X – Event 11 Documents

Lab Report Event 11

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

CERTIFICATE OF ANALYSIS 335606

Client Details

Client	Martens & Associates Pty Ltd
Attention	Bryson Monaghan
Address	Suite 201, 20 George St, Hornsby, NSW, 2077

Sample Details

Your Reference	**P1203365 – Water Sampling, West Culburra, NSW**
Number of Samples	16 Water
Date samples received	18/10/2023
Date completed instructions received	18/10/2023

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	25/10/2023
Date of Issue	26/10/2023

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Results Approved By
Dragana Tomas, Senior Chemist
Liam Timmins, Organics Supervisor
Loren Bardwell, Development Chemist
Nancy Zhang, Laboratory Manager, Sydney
Nick Sarlamis, Assistant Operation Manager
Tim Toll, Chemist (FAS)

Authorised By
Nancy Zhang, Laboratory Manager

vTRH in Water (C6-C9) NEPM						
Our Reference		335606-7	335606-8	335606-9	335606-10	335606-11
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW205	3365/SW207
Date Sampled		29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	20/10/2023	19/10/2023	19/10/2023	19/10/2023	19/10/2023
Date analysed	-	23/10/2023	20/10/2023	20/10/2023	20/10/2023	20/10/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	98	102	101	102	102
Surrogate Toluene-d8	%	97	98	98	98	97
Surrogate 4-Bromofluorobenzene	%	98	103	103	102	103

vTRH in Water (C6-C9) NEPM			
Our Reference		335606-12	335606-13
Your Reference	UNITS	3365/SW210	3365/SW211
Date Sampled		29/10/2023-31/08/2023	29/10/2023-31/08/2023
Type of sample		Water	Water
Date extracted	-	19/10/2023	19/10/2023
Date analysed	-	20/10/2023	20/10/2023
TRH C_6 - C_9	µg/L	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10
Surrogate Dibromofluoromethane	%	102	104
Surrogate Toluene-d8	%	97	99
Surrogate 4-Bromofluorobenzene	%	104	103

svTRH (C10-C40) in Water						
Our Reference		335606-7	335606-8	335606-9	335606-10	335606-11
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW205	3365/SW207
Date Sampled		29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Date analysed	-	24/10/2023	24/10/2023	24/10/2023	24/10/2023	24/10/2023
TRH C_{10} - C_{14}	µg/L	130	470	100	<50	<50
TRH C_{15} - C_{28}	µg/L	640	500	310	<100	<100
TRH C_{29} - C_{36}	µg/L	170	290	230	<100	<100
Total +ve TRH (C10-C36)	µg/L	940	1,300	640	<50	<50
TRH >C_{10} - C_{16}	µg/L	170	440	130	<50	<50
TRH >C_{16} - C_{34}	µg/L	700	560	410	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	150	<100	<100
Total +ve TRH (>C10-C40)	µg/L	880	1,000	690	<50	<50
Surrogate o-Terphenyl	%	85	70	100	97	85

svTRH (C10-C40) in Water			
Our Reference		335606-12	335606-13
Your Reference	UNITS	3365/SW210	3365/SW211
Date Sampled		29/10/2023-31/08/2023	29/10/2023-31/08/2023
Type of sample		Water	Water
Date extracted	-	23/10/2023	23/10/2023
Date analysed	-	24/10/2023	24/10/2023
TRH C_{10} - C_{14}	µg/L	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50
Surrogate o-Terphenyl	%	110	92

PAHs in Water						
Our Reference		335606-7	335606-8	335606-9	335606-10	335606-11
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW205	3365/SW207
Date Sampled		29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Date analysed	-	25/10/2023	25/10/2023	25/10/2023	25/10/2023	25/10/2023
Naphthalene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	110	62	102	98	97

PAHs in Water			
Our Reference		335606-12	335606-13
Your Reference	UNITS	3365/SW210	3365/SW211
Date Sampled		29/10/2023-31/08/2023	29/10/2023-31/08/2023
Type of sample		Water	Water
Date extracted	-	23/10/2023	23/10/2023
Date analysed	-	25/10/2023	25/10/2023
Naphthalene	µg/L	<0.1	<0.1
Acenaphthylene	µg/L	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	114	98

Organochlorine Pesticides in Water						
Our Reference		335606-7	335606-8	335606-9	335606-10	335606-11
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW205	3365/SW207
Date Sampled		29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Date analysed	-	25/10/2023	25/10/2023	25/10/2023	25/10/2023	25/10/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	85	61	107	98	101

Organochlorine Pesticides in Water			
Our Reference		335606-12	335606-13
Your Reference	UNITS	3365/SW210	3365/SW211
Date Sampled		29/10/2023-31/08/2023	29/10/2023-31/08/2023
Type of sample		Water	Water
Date extracted	-	23/10/2023	23/10/2023
Date analysed	-	25/10/2023	25/10/2023
alpha-BHC	µg/L	<0.2	<0.2
HCB	µg/L	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2
Surrogate TCMX	%	115	101

PCBs in Water						
Our Reference		335606-7	335606-8	335606-9	335606-10	335606-11
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW205	3365/SW207
Date Sampled		29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Date analysed	-	25/10/2023	25/10/2023	25/10/2023	25/10/2023	25/10/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	85	61	107	98	101

PCBs in Water			
Our Reference		335606-12	335606-13
Your Reference	UNITS	3365/SW210	3365/SW211
Date Sampled		29/10/2023-31/08/2023	29/10/2023-31/08/2023
Type of sample		Water	Water
Date extracted	-	23/10/2023	23/10/2023
Date analysed	-	25/10/2023	25/10/2023
Aroclor 1016	µg/L	<2	<2
Aroclor 1221	µg/L	<2	<2
Aroclor 1232	µg/L	<2	<2
Aroclor 1242	µg/L	<2	<2
Aroclor 1248	µg/L	<2	<2
Aroclor 1254	µg/L	<2	<2
Aroclor 1260	µg/L	<2	<2
Surrogate TCMX	%	115	101

All metals in water - total						
Our Reference		335606-7	335606-8	335606-9	335606-10	335606-11
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW103	3365/SW205	3365/SW207
Date Sampled		29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	19/10/2023	19/10/2023	19/10/2023	19/10/2023	19/10/2023
Date analysed	-	23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Aluminium-Total	µg/L	160	2,200	350	110	80
Arsenic-Total	µg/L	2	<1	<1	1	1
Chromium-Total	µg/L	<1	2	<1	<1	<1
Copper-Total	µg/L	3	7	7	<1	<1
Iron-Total	µg/L	1,500	1,100	410	250	150
Mercury-Total	µg/L	<0.05	0.08	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	3	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	7	20	22	16	13

All metals in water - total					
Our Reference		335606-12	335606-13	335606-15	335606-16
Your Reference	UNITS	3365/SW210	3365/SW211	3365/DUP01	3365/DUP02
Date Sampled		29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023
Type of sample		Water	Water	Water	Water
Date prepared	-	19/10/2023	19/10/2023	19/10/2023	19/10/2023
Date analysed	-	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Aluminium-Total	µg/L	290	290	350	360
Arsenic-Total	µg/L	2	2	2	<1
Chromium-Total	µg/L	1	1	2	<1
Copper-Total	µg/L	<1	1	<1	6
Iron-Total	µg/L	690	580	710	380
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1
Zinc-Total	µg/L	24	6	23	14

Metals in Waters - Acid extractable						
Our Reference		335606-1	335606-2	335606-3	335606-4	335606-5
Your Reference	UNITS	3365/GW201	3365/GW202	3356/GW203	3365/GW204	3365/GW206
Date Sampled		29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	19/10/2023	19/10/2023	19/10/2023	19/10/2023	19/10/2023
Date analysed	-	20/10/2023	20/10/2023	20/10/2023	20/10/2023	20/10/2023
Phosphorus - Total	mg/L	<0.05	0.3	<0.05	6.3	0.1

Metals in Waters - Acid extractable						
Our Reference		335606-6	335606-7	335606-8	335606-9	335606-10
Your Reference	UNITS	3365/GW207	3365/SW101	3365/SW102	3365/SW103	3365/SW205
Date Sampled		29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	19/10/2023	19/10/2023	19/10/2023	19/10/2023	19/10/2023
Date analysed	-	20/10/2023	20/10/2023	20/10/2023	20/10/2023	20/10/2023
Phosphorus - Total	mg/L	<0.05	3.1	0.2	0.4	<0.1

Metals in Waters - Acid extractable				
Our Reference		335606-11	335606-12	335606-13
Your Reference	UNITS	3365/SW207	3365/SW210	3365/SW211
Date Sampled		29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023
Type of sample		Water	Water	Water
Date prepared	-	19/10/2023	19/10/2023	19/10/2023
Date analysed	-	20/10/2023	20/10/2023	20/10/2023
Phosphorus - Total	mg/L	<0.1	<0.1	<0.1

Miscellaneous Inorganics						
Our Reference		335606-1	335606-2	335606-3	335606-4	335606-5
Your Reference	UNITS	3365/GW201	3365/GW202	3356/GW203	3365/GW204	3365/GW206
Date Sampled		29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	18/10/2023	18/10/2023	18/10/2023	18/10/2023	18/10/2023
Date analysed	-	18/10/2023	18/10/2023	18/10/2023	18/10/2023	18/10/2023
Total Nitrogen in water	mg/L	0.8	1.4	<0.1	<0.1	0.3
Phosphate as P in water	mg/L	0.01	0.16	0.04	0.04	0.056

Miscellaneous Inorganics						
Our Reference		335606-6	335606-7	335606-8	335606-9	335606-10
Your Reference	UNITS	3365/GW207	3365/SW101	3365/SW102	3365/SW103	3365/SW205
Date Sampled		29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	18/10/2023	18/10/2023	18/10/2023	18/10/2023	18/10/2023
Date analysed	-	18/10/2023	18/10/2023	18/10/2023	18/10/2023	18/10/2023
Total Suspended Solids	mg/L	[NA]	69	450	54	12
Total Nitrogen in water	mg/L	0.2	39	3.8	1.8	0.2
Phosphate as P in water	mg/L	0.008	1.7	<0.005	0.11	0.007
Chlorophyll a	mg/m^3	[NA]	2	10	<1	1

Miscellaneous Inorganics					
Our Reference		335606-11	335606-12	335606-13	335606-14
Your Reference	UNITS	3365/SW207	3365/SW210	3365/SW211	3365/GWDUP01
Date Sampled		29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023
Type of sample		Water	Water	Water	Water
Date prepared	-	18/10/2023	18/10/2023	18/10/2023	[NA]
Date analysed	-	18/10/2023	18/10/2023	18/10/2023	[NA]
Total Suspended Solids	mg/L	9	18	22	[NA]
Total Nitrogen in water	mg/L	0.2	0.1	0.2	[NA]
Phosphate as P in water	mg/L	0.006	0.005	0.006	[NA]
Chlorophyll a	mg/m^3	3	1	2	[NA]
pH	pH Units	[NA]	[NA]	[NA]	6.3
Electrical Conductivity	µS/cm	[NA]	[NA]	[NA]	13,000

Microbiologocal Testing						
Our Reference		335606-1	335606-2	335606-3	335606-4	335606-5
Your Reference	UNITS	3365/GW201	3365/GW202	3356/GW203	3365/GW204	3365/GW206
Date Sampled		29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	19/10/2023	19/10/2023	19/10/2023	19/10/2023	19/10/2023
Faecal Coliforms	cfu/100mL	<100	<1000	<100	< 18 MPN/100mL	20 MPN/100mL

Microbiologocal Testing						
Our Reference		335606-6	335606-7	335606-8	335606-9	335606-10
Your Reference	UNITS	3365/GW207	3365/SW101	3365/SW102	3365/SW103	3365/SW205
Date Sampled		29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	19/10/2023	19/10/2023	19/10/2023	19/10/2023	19/10/2023
E. coli	cfu/100mL	[NA]	<18 MPN/100mL	20 MPN/100mL	<18 MPN/100mL	<10
Faecal Coliforms	cfu/100mL	< 18 MPN/100mL	<18 MPN/100mL	20 MPN/100mL	<18 MPN/100mL	<10

Microbiologocal Testing				
Our Reference		335606-11	335606-12	335606-13
Your Reference	UNITS	3365/SW207	3365/SW210	3365/SW211
Date Sampled		29/10/2023-31/08/2023	29/10/2023-31/08/2023	29/10/2023-31/08/2023
Type of sample		Water	Water	Water
Date of testing	-	19/10/2023	19/10/2023	19/10/2023
E. coli	cfu/100mL	<10	20^A	<10
Faecal Coliforms	cfu/100mL	<10	20^A	<10

Method ID	Methodology Summary
Ext-008	Subcontracted to Sonic Food & Water Testing. NATA Accreditation No. 4034.
Inorg-001	pH - Measured using pH meter and electrode in accordance with APHA latest edition, 4500-H+. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.
Inorg-002	Conductivity and Salinity - measured using a conductivity cell at 25°C in accordance with APHA latest edition 2510 and Rayment & Lyons.
Inorg-019	Suspended Solids - determined gravimetricially by filtration of the sample. The samples are dried at 104+/-5°C.
Inorg-055/062/127	Total Nitrogen - Calculation sum of TKN and oxidised Nitrogen. Alternatively analysed by combustion and chemiluminescence.
Inorg-060	Phosphate determined colourimetrically based on EPA365.1 and APHA latest edition 4500 P E. Waters samples are filtered on receipt prior to analysis. Soils are analysed following a water extraction.
INORG-119	Chlorophyll A based on APHA 10200 H latest edition.
Metals-020	Determination of various metals by ICP-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Metals-022	Determination of various metals by ICP-MS. Please note for Bromine and Iodine, any forms of these elements that are present are included together in the one result reported for each of these two elements. Salt forms (e.g. FeO, PbO, ZnO) are determinined stoichiometrically from the base metal concentration.
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-021/022/025	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD and/or GC-MS/GC-MSMS.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W5	[NT]
Date extracted	-			19/10/2023	8	19/10/2023	20/10/2023		19/10/2023	[NT]
Date analysed	-			20/10/2023	8	20/10/2023	23/10/2023		20/10/2023	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	<10	8	<10	<10	0	101	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	<10	8	<10	<10	0	101	[NT]
Surrogate Dibromofluoromethane	%		Org-023	100	8	102	87	16	97	[NT]
Surrogate Toluene-d8	%		Org-023	98	8	98	84	15	100	[NT]
Surrogate 4-Bromofluorobenzene	%		Org-023	102	8	103	127	21	95	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	335606-9
Date extracted	-			23/10/2023	7	23/10/2023	23/10/2023		23/10/2023	23/10/2023
Date analysed	-			24/10/2023	7	24/10/2023	24/10/2023		24/10/2023	24/10/2023
TRH C_{10} - C_{14}	µg/L	50	Org-020	<50	7	130	110	17	103	107
TRH C_{15} - C_{28}	µg/L	100	Org-020	<100	7	640	650	2	103	114
TRH C_{29} - C_{36}	µg/L	100	Org-020	<100	7	170	170	0	86	108
TRH >C_{10} - C_{16}	µg/L	50	Org-020	<50	7	170	150	12	103	107
TRH >C_{16} - C_{34}	µg/L	100	Org-020	<100	7	700	710	1	103	114
TRH >C_{34} - C_{40}	µg/L	100	Org-020	<100	7	<100	<100	0	86	108
Surrogate o-Terphenyl	%		Org-020	94	7	85	84	1	83	107

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	335606-9
Date extracted	-			23/10/2023	7	23/10/2023	23/10/2023		23/10/2023	23/10/2023
Date analysed	-			25/10/2023	7	25/10/2023	25/10/2023		25/10/2023	25/10/2023
Naphthalene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	83	125
Acenaphthylene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	79	103
Fluorene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	84	114
Phenanthrene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	73	98
Anthracene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	78	98
Pyrene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	80	98
Benzo(a)anthracene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	76	100
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	94	101
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	121	7	110	96	14	81	101

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	335606-9
Date extracted	-			23/10/2023	7	23/10/2023	23/10/2023		23/10/2023	23/10/2023
Date analysed	-			25/10/2023	7	25/10/2023	25/10/2023		25/10/2023	25/10/2023
alpha-BHC	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	83	100
HCB	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	83	98
gamma-BHC	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	69	90
delta-BHC	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	74	95
Heptachlor Epoxide	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	71	94
gamma-Chlordane	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	82	101
Dieldrin	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	81	101
Endrin	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	70	109
Endosulfan II	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	80	107
Endrin Aldehyde	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	86	128
Methoxychlor	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	121	7	85	77	10	84	103

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	335606-9
Date extracted	-			23/10/2023	7	23/10/2023	23/10/2023		23/10/2023	23/10/2023
Date analysed	-			25/10/2023	7	25/10/2023	25/10/2023		25/10/2023	25/10/2023
Aroclor 1016	µg/L	2	Org-021/022/025	<2	7	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021/022/025	<2	7	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021/022/025	<2	7	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021/022/025	<2	7	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021/022/025	<2	7	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021/022/025	<2	7	<2	<2	0	67	94
Aroclor 1260	µg/L	2	Org-021/022/025	<2	7	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021/022/025	121	7	85	77	10	84	103

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	335606-8
Date prepared	-			19/10/2023	7	19/10/2023	19/10/2023		19/10/2023	19/10/2023
Date analysed	-			23/10/2023	7	23/10/2023	23/10/2023		23/10/2023	23/10/2023
Aluminium-Total	µg/L	10	Metals-022	<10	7	160	160	0	104	#
Arsenic-Total	µg/L	1	Metals-022	<1	7	2	2	0	101	93
Chromium-Total	µg/L	1	Metals-022	<1	7	<1	<1	0	101	96
Copper-Total	µg/L	1	Metals-022	<1	7	3	3	0	102	94
Iron-Total	µg/L	10	Metals-022	<10	7	1500	1500	0	103	#
Mercury-Total	µg/L	0.05	Metals-021	<0.05	7	<0.05	<0.05	0	106	114
Lead-Total	µg/L	1	Metals-022	<1	7	<1	<1	0	102	83
Selenium-Total	µg/L	1	Metals-022	<1	7	<1	<1	0	101	90
Zinc-Total	µg/L	1	Metals-022	<1	7	7	6	15	104	96

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	8	19/10/2023	19/10/2023		[NT]	[NT]
Date analysed	-			[NT]	8	23/10/2023	23/10/2023		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	8	2200	[NT]		[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	8	<1	[NT]		[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	8	2	[NT]		[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	8	7	[NT]		[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	8	1100	[NT]		[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	8	0.08	0.08	0	[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	8	3	[NT]		[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	8	<1	[NT]		[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	8	20	[NT]		[NT]	[NT]

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	335606-2
Date prepared	-			19/10/2023	1	19/10/2023	19/10/2023		19/10/2023	19/10/2023
Date analysed	-			20/10/2023	1	20/10/2023	20/10/2023		20/10/2023	20/10/2023
Phosphorus - Total	mg/L	0.05	Metals-020	<0.05	1	<0.05	<0.05	0	94	109

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	7	19/10/2023	19/10/2023		[NT]	[NT]
Date analysed	-			[NT]	7	20/10/2023	20/10/2023		[NT]	[NT]
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	7	3.1	3.0	3	[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	335606-2
Date prepared	-			18/10/2023	1	18/10/2023	18/10/2023		18/10/2023	18/10/2023
Date analysed	-			18/10/2023	1	18/10/2023	18/10/2023		18/10/2023	18/10/2023
Total Suspended Solids	mg/L	5	Inorg-019	<5	11	9	[NT]		91	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	<0.1	1	0.8	0.8	0	96	85
Phosphate as P in water	mg/L	0.005	Inorg-060	<0.005	1	0.01	0.01	0	106	90
Chlorophyll a	mg/m^3	1	INORG-119	<1	11	3	[NT]		114	[NT]
pH	pH Units		Inorg-001	[NT]	[NT]	[NT]	[NT]	[NT]	99	[NT]
Electrical Conductivity	µS/cm	1	Inorg-002	<1	[NT]	[NT]	[NT]	[NT]	102	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	11	18/10/2023	18/10/2023		[NT]	[NT]
Date analysed	-			[NT]	11	18/10/2023	18/10/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	11	0.2	0.1	67	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	11	0.006	0.005	18	[NT]	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

The recommended maximums for analytes in urine are taken from “2018 TLVs and BEIs”, as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016.

Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Where matrix spike recoveries fall below the lower limit of the acceptance criteria (e.g. for non-labile or standard Organics <60%), positive result(s) in the parent sample will subsequently have a higher than typical estimated uncertainty (MU estimates supplied on request) and in these circumstances the sample result is likely biased significantly low.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Report Comments

vTRH in Water (C6-C9) NEPM - The PQL has been raised as sample 335606-7 was foamy and therefore required a dilution.

8 Metals in Waters - total - The PQL has been raised 2 times for samples 335606-10 to 13 due to suppression of the internal standard, which required the samples to be diluted.
This is likely due to the high level of salts in the sample.

All metals in water - total - # Percent recovery is not applicable due to the high concentration of the element/s in the sample/s. However an acceptable recovery was obtained for the LCS.

Microbiology analysed by Sonic Food & Water Testing. Report No. W2324502-505
^ The stated result may be statistically unreliable
A: Approximate
The time between collection and the commencement of testing should not exceed 24 hours. Samples tested outside this time may have their results compromised

Lab Document Event 11

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

SAMPLE RECEIPT ADVICE

Client Details

Client	Martens & Associates Pty Ltd
Attention	Bryson Monaghan

Sample Login Details

Your reference	P1203365 – Water Sampling, West Culburra, NSW
Envirolab Reference	335606
Date Sample Received	18/10/2023
Date Instructions Received	18/10/2023
Date Results Expected to be Reported	25/10/2023

Sample Condition

Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	16 Water
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	4
Cooling Method	Ice
Sampling Date Provided	YES

Comments

Nil

Please direct any queries to:

Aileen Hie	Jacinta Hurst
Phone: 02 9910 6200	**Phone: 02 9910 6200**
Fax: 02 9910 6201	**Fax: 02 9910 6201**
Email: ahie@envirolab.com.au	**Email: jhurst@envirolab.com.au**

Analysis Underway, details on the following page:

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

Sample ID	vTRH in Water (C6-C9) NEPM	svTRH (C10-C40) in Water	PAHs in Water	Organochlorine Pesticides in Water	PCBs in Water	All metals in water - total	Metals in Waters -Acid extractable	Total Suspended Solids	Total Nitrogen in water	Phosphate as P in water	Chlorophyll a	pH	Electrical Conductivity	Microbiologocal Testing
3365/GW201							✓		✓	✓				✓
3365/GW202							✓		✓	✓				✓
3356/GW203							✓		✓	✓				✓
3365/GW204							✓		✓	✓				✓
3365/GW206							✓		✓	✓				✓
3365/GW207							✓		✓	✓				✓
3365/SW101	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW102	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW103	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW205	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW207	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW210	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW211	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/GWDUP01												✓	✓	
3365/DUP01						✓								
3365/DUP02						✓								

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.
Requests for longer term sample storage must be received in writing.
Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.
TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

COC: 18/10/23 1339

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SAMPLE ANALYSIS CHAIN OF CUSTODY FORM

WEST CULBURRA – ENVIROLAB QUOTATION – 22SY375_B0													
Name	P1203365 – Water Sampling, West Culburra, NSW												
Martens Contact Officer	Bryson Monaghan					**Contact Email**	bmonaghan@martens.com.au						
Sampling and Shipping	**Sample Date**	29 to 31.08.2023		**Dispatch Date**	31.08.2023	**Turnaround Time**			Standard				
	Our Reference	P1203365COC30V01				**Shipping Method (X)**	**Hand**	**X**	**Post**		**Courier**		
	On Ice (X)	**X**	**No Ice (X)**		**Other (X)**								
Laboratory													
Name	Envirolab Services P/L												
Sample Delivery Address	12 Ashley St, Chatswood												
Delivery Contact	**Name**	Sample Receipt		**Phone**	02 9910 6200	**Fax**		**Email**	samplereceipt@envirolabservices.com.au				
Please Send Report By (X)	**Post**		**Fax**		**Email**	**X**	**Reporting Email Address**	trichards@martens.com.au, bmonaghan@martens.com.au and CC ANorris@martens.com.au					

	Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN. TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
1	3365/GW201						X	
2	3365/GW202						X	
3	3365/GW203						X	
4	3365/GW204						X	
5	3365/GW206						X	
6	3365/GW207						X	
7	3365/SW101	X	X	X	X			
8	3355/SW102	x	x	x	x			
9	3355/SW103	x	x	x	x			

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200

Job No: 335606
Date Received: 18/10/2023
Time Received: 1230
Received By:
Temp: Cool/Ambient
Cooling: Ice/Icepack
Security: Intact/Broken/None.

Head Office
Suite 201, 20 George Street
Hornsby NSW 2077, Australia
Ph 02 9476 9999 **Fax** 02 9476 8767

> mail@martens.com.au
> www.martens.com.au
MARTENS & ASSOCIATES P/L
ABN 85 070 240 890 ACN 070 240 890

SOIL ANALYSIS CHAIN OF CUSTODY

Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN. TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
10 3365/SW205	X	X	X	X			
11 3365/SW207	X	X	X	X			
12 3365/SW210	X	X	X	X			
13 3365/SW211	X	X	X	X			
14 3365/GWDUP01					X		
15 3365/DUP01	X						
16 3365/DUP02	X						

ENVIROLAB GROUP
Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200

Job No: 335606

Date Received: 18/10/2023

Time Received: 12:30

Received By:

Temp: Cool/Ambient

Cooling: Ice/Icepack

Security: Intact/Broken/None

Field Sheet Event 11

WATER SAMPLING FORM - Estuary Surface Water

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PROJECT INFORMATION

PROJECT NUMBER: 3365

CLIENT: Sealark Pty Ltd

SITE LOCATION: Culburra

MONTHLY / BIMONTHLY: Monthly (Event 11)

WET WEATHER (Y/N): N

DATE: 17 / 10 / 2023

SAMPLED BY: TR + BTM

ROLE: sampler / engineer

SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Depth	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
205	9:00	E: 293605.3597		Shallow (S)	16.0	7.91	86.6	7.8	36.13	45162	2.52	Translucent, no odour, no sheen, Y sample collected
		N: 6133080.442	WQ Meter	Deep (D)	16.0	7.89	87.8	7.8	36.16	45198	2.79	
207	8:52	E: 293920.1357		S	16.3	7.87	107.7	8.1	35.86	45159	2.82	Translucent, no odour, no sheen, Y sample collected
		N: 6133182.226	WQ Meter	D	16.3	7.87	108.0	8.0	35.94	45267	7.97	
210	8:40	E: 294591.1553		S	15.5	17.62	-603.9	7.9	34.84	43204	7.14	Translucent, no odour, no sheen, Y sample collected
		N: 6132850.486	WQ Meter	D	15.5	14.11	-227.9	7.7	35.69	44194	20.29	DUP01
211	8:45	E: 294994.521		S	14.8	7.74	114.7	8.5	36.39	44192	10.00	Translucent, no odour, no sheen, Y sample collected
		N: 6132922.111	WQ MEter	D	14.8	7.75	114.1	8.1	36.47	44334	17.36	

Sample bottle codes: P-plastic, G - glass, V - vial

Preservation Codes - U - unpreserved, S -sulfuric acid, N - nitric acid, H - hydrochloric acid

WQ calibration certificate Event 11

Multi Parameter Water Meter

Instrument YSI Pro DSS
Serial No. 21K101474

Air-Met Scientific Pty Ltd
1300 137 067

Item	Test	Pass	Comments
Battery	Charge Condition	✓	
	Fuses	✓	
	Capacity	✓	
	Recharge OK?	✓	
Switch/keypad	Operation	✓	
Display	Intensity	✓	
	Operation (segments)	✓	
Grill Filter	Condition	✓	
	Seal	✓	
PCB	Condition	✓	
Connectors	Condition	✓	
Sensor	1. pH/ORP	✓	
	2. Turbidity	✓	
	3. Conductivity	✓	
	4. D.O	✓	
	5. Temp	✓	
	6. Depth	✓	
Alarms	Beeper		
	Settings		
Software	Version		
Data logger	Operation		
Download	Operation		
Other tests:			

Certificate of Calibration

This is to certify that the above instrument has been calibrated to the following specifications:

Sensor	Serial no	Standard Solutions	Certified	Solution Bottle Number	Instrument Reading
1. EC		2760uS/cm		401089	2762uS/cm
2. Temp		20.5°C		Testo	20.5°C
3. pH 4		pH 4.00		399527	pH 3.98
4. pH 7		pH 7.00		399304	pH 7.08
5. DO		0.0%		12110	0.0%
6.Turbidity		100 NTU		406442	100.12NTU
7. ORP		238.9mV		A405006/B398193	239.6mV

Calibrated by: **Guido Camera**

Calibration date: **11/10/2023**

Next calibration due: **10/11/2023**

Appendix Y – Event 12 Data

Table 65: Surface water - laboratory data event 12

		TRH					Biological			Halogenated Benzenes	Inorganics				Metals								
		C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)	Aluminium	Arsenic	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
		µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL		10	50	100	100	50	1	1	0.001	0.2	0.1	0.05	0.005	5	0.01	0.001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Date**																						
SW302	**13 Nov 2023**	<10	260	220	<100	480	<18	<18	0.003	<0.2	1.6	0.1	0.02	81	3.5	<0.001	0.003	0.003	5.3	0.005	0.0002	<0.001	0.011
SW302	**13 Nov 2023**	<10	160	<100	<100	160	<18	<18	<0.001	<0.2	1.5	0.1	0.02	35	3.1	<0.001	0.003	0.003	5	0.005	0.0002	<0.001	0.009
SW303	**13 Nov 2023**	<10	140	<100	<100	140	<18	<18	0.02	<0.2	1.5	0.06	<0.005	78	0.04	0.002	<0.001	<0.001	0.47	<0.001	<0.00005	<0.001	0.004
SW303	**13 Nov 2023**	<10	<50	<100	<100	<50	<18	<18	0.01	<0.2	1.4	0.09	<0.005	70	0.46	0.003	0.001	<0.001	1.6	0.001	<0.00005	<0.001	0.01
SW304	**13 Nov 2023**	<10	<50	<100	<100	<50	20	20	0.004	<0.2	0.7	<0.05	<0.005	26	0.36	<0.001	<0.001	0.002	3.1	<0.001	<0.00005	<0.001	0.03
SW304	**13 Nov 2023**	<10	<50	<100	<100	<50	<18	<18	<0.001	<0.2	0.7	<0.05	<0.005	27	0.48	<0.001	0.001	0.001	5.6	<0.001	<0.00005	<0.001	0.028
SW305	**13 Nov 2023**	<10	<50	110	<100	110	<18	<18	0.003	<0.2	1.1	0.06	<0.005	22	0.09	<0.001	<0.001	<0.001	0.33	<0.001	<0.00005	<0.001	0.003
SW305	**13 Nov 2023**	<10	<50	<100	<100	<50	<18	<18	0.002	<0.2	0.9	0.07	<0.005	28	0.1	<0.001	<0.001	<0.001	0.33	<0.001	<0.00005	<0.001	0.001
SW306	**13 Nov 2023**	<10	<50	<100	<100	<50	<18	<18	0.002	<0.2	1.5	0.07	<0.005	80	0.3	0.002	<0.001	<0.001	0.48	<0.001	<0.00005	<0.001	0.004
SW306	**13 Nov 2023**	<10	<50	<100	<100	<50	<18	<18	<0.001	<0.2	1.4	0.08	<0.005	58	0.29	0.002	<0.001	<0.001	0.52	<0.001	<0.00005	<0.001	0.003
SW307	**14 Nov 2023**	<10	420	170	<100	590	<18	<18	<0.001	<0.2	1.6	<0.05	<0.005	6	0.51	<0.001	0.002	0.002	0.73	<0.001	0.00006	<0.001	0.018
SW307	**14 Nov 2023**	<10	280	110	<100	400	<18	<18	<0.001	<0.2	1.1	<0.05	<0.005	6	0.45	<0.001	0.002	0.001	0.72	<0.001	<0.00005	<0.001	0.015
Statistics																							
Number of Results		**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**
Number of Detects		**0**	**5**	**4**	**0**	**6**	**1**	**1**	**7**	**0**	**12**	**8**	**2**	**12**	**12**	**4**	**6**	**6**	**12**	**3**	**3**	**0**	**12**
Minimum Concentration		**<10**	**<50**	**<100**	**<100**	**<50**	**<18**	**<18**	**<0.001**	**<0.2**	**0.7**	**<0.05**	**<0.005**	**6**	**0.04**	**<0.001**	**0.001**	**0.001**	**0.33**	**0.001**	**<0.00005**	**<0.001**	**0.001**
Maximum Concentration		**<10**	**420**	**220**	**<100**	**590**	**20**	**20**	**0.02**	**<0.2**	**1.6**	**0.1**	**0.02**	**81**	**3.5**	**0.003**	**0.003**	**0.003**	**5.6**	**0.005**	**0.0002**	**<0.001**	**0.03**
Average Concentration *		**10**	**134**	**118**	**100**	**182**	**18**	**18**	**0.0041**	**0.2**	**1.2**	**0.069**	**0.0075**	**43**	**0.81**	**0.0014**	**0.0015**	**0.0015**	**2**	**0.0017**	**0.000076**	**0.001**	**0.011**
Median Concentration *		**10**	**50**	**100**	**100**	**80**	**18**	**18**	**0.002**	**0.2**	**1.4**	**0.065**	**0.005**	**31.5**	**0.405**	**0.001**	**0.001**	**0.001**	**0.725**	**0.001**	**0.00005**	**0.001**	**0.0095**

* A Non Detect Multiplier of 1 has been applied.

		Organochlorine Pesticides																	
		4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Date**																			
SW302	**13 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW302	**13 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW303	**13 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW303	**13 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW304	**13 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW304	**13 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**13 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**13 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**13 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**13 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW307	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW307	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Statistics																				
Number of Results		**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Maximum Concentration		**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Average Concentration *		**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**
Median Concentration *		**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

* A Non Detect Multiplier of 1 has been applied.

		PAH																
		Benzo(b+j+k)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
		mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL		0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0005	0.0001
Location Code	**Date**																	
SW302	**13 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW302	**13 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW303	**13 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW303	**13 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW304	**13 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW304	**13 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW305	**13 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW305	**13 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW306	**13 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW306	**13 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW307	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW307	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
Statistics																		
Number of Results		**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Maximum Concentration		**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Average Concentration *		**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0005**	**0.0001**
Median Concentration *		**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0005**	**0.0001**

* A Non Detect Multiplier of 1 has been applied.

		PCBs							TPH				
		Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Date**												
SW302	**13 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	74	370	<100	440
SW302	**13 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	190	<100	190
SW303	**13 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	150	<100	150
SW303	**13 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW304	**13 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW304	**13 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW305	**13 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	120	<100	120
SW305	**13 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW306	**13 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW306	**13 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW307	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	550	<100	550
SW307	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	360	<100	360
Statistics													
Number of Results		**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**6**	**0**	**6**
Minimum Concentration		**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Maximum Concentration		**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**74**	**550**	**<100**	**550**
Average Concentration *		**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**52**	**195**	**100**	**176**
Median Concentration *		**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**110**	**100**	**85**

* A Non Detect Multiplier of 1 has been applied.

Table 66: Estuary surface water - laboratory data event 12

		TRH					Biological			Halogenated Benzenes	Inorganics				Metals								
		C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)	Aluminium	Arsenic	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
		µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL		10	50	100	100	50	1	1	0.001	0.2	0.1	0.05	0.005	5	0.01	0.001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Date**																						
SW201	**14 Nov 2023**	<10	<50	<100	<100	<50	<1	<1	<0.001	<0.2	0.1	0.06	0.01	28	0.12	0.001	<0.001	<0.001	0.25	<0.001	<0.00005	<0.001	0.003
SW201	**14 Nov 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	0.05	0.01	22	0.1	0.001	<0.001	<0.001	0.22	<0.001	<0.00005	<0.001	0.002
SW202	**14 Nov 2023**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.1	<0.05	0.008	18	0.09	0.001	<0.001	<0.001	0.21	<0.001	<0.00005	<0.001	<0.001
SW202	**14 Nov 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.05	0.008	19	0.04	0.001	<0.001	<0.001	0.25	<0.001	<0.00005	<0.001	0.006
SW203	**14 Nov 2023**	<10	<50	<100	<100	<50	1&<10	1&<10	<0.001	<0.2	0.1	<0.05	0.007	20	0.03	0.001	<0.001	<0.001	0.06	<0.001	<0.00005	<0.001	0.003
SW203	**14 Nov 2023**	<10	<50	<100	<100	<50	1&<10	1&<10	<0.001	<0.2	0.1	<0.05	0.008	18	0.07	0.001	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	0.002
SW204	**15 Nov 2023**	<10	<50	<100	<100	<50	1&<10	1&<10	0.003	<0.2	0.3	0.08	0.02	98	0.16	0.001	<0.001	<0.001	0.34	<0.001	<0.00005	<0.001	0.002
SW204	**15 Nov 2023**	<10	<50	<100	<100	<50	100	100	0.009	<0.2	0.2	0.3	0.02	39	0.39	0.004	<0.001	0.003	3.5	<0.001	<0.00005	<0.001	0.005
SW205	**14 Nov 2023**	<10	<50	<100	<100	<50	10	10	0.002	<0.2	0.1	<0.05	0.007	23	0.08	0.001	<0.001	<0.001	0.15	<0.001	<0.00005	<0.001	<0.001
SW205	**14 Nov 2023**	<10	<50	<100	<100	<50	10	10	0.002	<0.2	0.1	<0.05	0.007	18	0.08	0.001	<0.001	<0.001	0.15	<0.001	<0.00005	<0.001	<0.001
SW206	**14 Nov 2023**	<10	<50	<100	<100	<50	1&<10	1&<10	<0.001	<0.2	<0.1	<0.05	0.009	8	0.04	0.001	<0.001	<0.001	0.07	<0.001	<0.00005	<0.001	0.001
SW206	**14 Nov 2023**	<10	<50	<100	<100	<50	1&<10	1&<10	0.002	<0.2	0.1	<0.05	0.007	18	0.03	0.001	<0.001	<0.001	0.06	<0.001	<0.00005	<0.001	<0.001
SW207	**14 Nov 2023**	<10	<50	160	<100	160	<10	<10	<0.001	<0.2	<0.1	<0.1	0.007	21	0.04	0.001	<0.001	<0.001	0.08	<0.001	<0.00005	<0.001	0.001
SW207	**14 Nov 2023**	<10	<50	<100	<100	<50	1^A	1^A	0.002	<0.2	<0.1	<0.1	0.006	22	0.04	0.001	<0.001	<0.001	0.09	<0.001	<0.00005	<0.001	<0.001
SW208	**14 Nov 2023**	<10	<50	<100	<100	<50	<1	<1	0.002	<0.2	<0.1	<0.05	0.006	25	0.04	0.001	<0.001	<0.001	0.06	<0.001	<0.00005	<0.001	<0.001
SW208	**14 Nov 2023**	<10	<50	<100	<100	<50	<10	<10	0.003	<0.2	<0.1	<0.05	0.006	23	0.03	0.001	<0.001	<0.001	0.07	<0.001	<0.00005	<0.001	<0.001
SW209	**14 Nov 2023**	<10	<50	<100	<100	<50	1&<10	1&<10	0.003	<0.2	0.1	<0.05	0.007	24	0.05	0.001	<0.001	<0.001	0.08	<0.001	<0.00005	<0.001	0.001
SW209	**14 Nov 2023**	<10	<50	<100	<100	<50	<1	<1	<0.001	<0.2	0.1	<0.05	0.007	21	0.04	<0.001	<0.001	<0.001	0.07	<0.001	<0.00005	<0.001	<0.001
SW210	**14 Nov 2023**	<10	<50	<100	<100	<50	<1	<1	0.001	<0.2	<0.1	<0.05	0.006	23	0.11	0.001	<0.001	<0.001	0.2	<0.001	<0.00005	<0.001	0.001
SW210	**14 Nov 2023**	<10	<50	<100	<100	<50	<1	<1	0.002	<0.2	0.1	<0.05	0.006	16	0.03	0.001	<0.001	<0.001	0.08	<0.001	<0.00005	<0.001	<0.001
SW211	**14 Nov 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.007	14	0.07	0.001	<0.001	<0.001	0.15	<0.001	<0.00005	<0.001	0.001
SW211	**14 Nov 2023**	<10	<50	<100	<100	<50	<1	<1	<0.001	<0.2	0.1	<0.05	0.007	22	0.04	0.001	<0.001	<0.001	0.06	<0.001	<0.00005	<0.001	<0.001
SW212	**14 Nov 2023**	<10	<50	<100	<100	<50	<100	<100	<0.001	<0.2	0.1	<0.05	0.007	27	0.04	0.001	<0.001	<0.001	0.08	<0.001	<0.00005	<0.001	<0.001
SW212	**14 Nov 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.006	18	0.05	0.001	<0.001	<0.001	0.12	<0.001	<0.00005	<0.001	<0.001
SW213	**14 Nov 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.007	22	0.05	0.001	<0.001	<0.001	0.08	<0.001	<0.00005	<0.001	0.002
SW213	**14 Nov 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.006	22	0.05	0.001	<0.001	<0.001	0.08	<0.001	<0.00005	<0.001	<0.001
SW214	**14 Nov 2023**	<10	<50	<100	<100	<50	6A	6A	0.001	<0.2	0.1	<0.05	0.007	26	0.06	0.001	<0.001	<0.001	0.1	<0.001	<0.00005	<0.001	<0.001
SW214	**14 Nov 2023**	<10	<50	<100	<100	<50	2^A	2^A	<0.001	<0.2	0.1	<0.05	0.007	18	0.07	0.001	<0.001	<0.001	0.11	<0.001	<0.00005	<0.001	0.002
SW215	**14 Nov 2023**	<10	<50	<100	<100	<50	1&<10	1&<10	0.001	<0.2	0.1	<0.05	0.008	20	0.02	0.001	<0.001	<0.001	0.04	<0.001	<0.00005	<0.001	<0.001
SW215	**14 Nov 2023**	<10	<50	<100	<100	<50	<100	<100	<0.001	<0.2	0.1	<0.05	0.007	26	0.02	0.001	<0.001	<0.001	0.05	<0.001	<0.00005	<0.001	<0.001
SW216	**14 Nov 2023**	<10	<50	<100	<100	<50	<1	<1	0.002	<0.2	0.1	<0.05	<0.005	28	0.02	0.001	<0.001	<0.001	0.05	<0.001	<0.00005	<0.001	<0.001
SW216	**14 Nov 2023**	<10	<50	<100	<100	<50	1&<10	1&<10	0.002	<0.2	0.1	<0.05	<0.005	24	0.02	0.001	<0.001	<0.001	0.04	<0.001	<0.00005	<0.001	0.002
SW217	**14 Nov 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	<0.005	24	0.01	0.001	<0.001	<0.001	0.03	<0.001	<0.00005	<0.001	<0.001
SW217	**14 Nov 2023**	<10	<50	<100	<100	<50	1&<10	1&<10	0.002	<0.2	<0.1	<0.05	0.007	18	0.01	0.001	<0.001	<0.001	0.02	<0.001	<0.00005	<0.001	0.002

Statistics

Number of Results	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects	**0**	**0**	**1**	**0**	**1**	**3**	**3**	**17**	**0**	**26**	**4**	**31**	**34**	**34**	**33**	**0**	**1**	**34**	**0**	**0**	**0**	**16**
Minimum Concentration	**<10**	**<50**	**<100**	**<100**	**<50**	**<1**	**<1**	**0.001**	**<0.2**	**0.1**	**0.05**	**<0.005**	**8**	**0.01**	**0.001**	**<0.001**	**<0.001**	**0.02**	**<0.001**	**<0.00005**	**<0.001**	**0.001**
Maximum Concentration	**<10**	**<50**	**160**	**<100**	**160**	**100**	**100**	**0.009**	**<0.2**	**0.3**	**0.3**	**0.02**	**98**	**0.39**	**0.004**	**<0.001**	**0.003**	**3.5**	**<0.001**	**<0.00005**	**<0.001**	**0.006**
Average Concentration *	**10**	**50**	**102**	**100**	**53**	**19**	**19**	**0.0017**	**0.2**	**0.11**	**0.061**	**0.0077**	**24**	**0.063**	**0.0011**	**0.001**	**0.0011**	**0.21**	**0.001**	**0.00005**	**0.001**	**0.0016**
Median Concentration *	**10**	**50**	**100**	**100**	**50**	**10**	**10**	**0.001**	**0.2**	**0.1**	**0.05**	**0.007**	**22**	**0.04**	**0.001**	**0.001**	**0.001**	**0.08**	**0.001**	**0.00005**	**0.001**	**0.001**

* A Non Detect Multiplier of 1 has been applied.

		Organochlorine Pesticides																	
		4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Date**																			
SW201	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW201	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW204	**15 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW204	**15 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW212	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW212	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW215	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW215	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Statistics

Number of Results	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Maximum Concentration	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Average Concentration *	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**
Median Concentration *	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**

* A Non Detect Multiplier of 1 has been applied.

		PAH																
		Benzo(b+j+k)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
		mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL		0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0005	0.0001
Location Code	**Date**																	
SW201	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW201	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW202	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW202	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW203	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW203	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW204	**15 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW204	**15 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW205	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW205	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW206	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW206	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW207	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW207	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW208	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW208	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW209	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW209	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW210	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW210	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW211	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW211	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW212	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW212	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW213	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW213	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW214	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW214	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW215	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW215	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW216	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW216	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW217	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW217	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001

Statistics

Number of Results		**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Maximum Concentration		**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**
Average Concentration *		**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0005**	**0.0001**
Median Concentration *		**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0005**	**0.0001**

* A Non Detect Multiplier of 1 has been applied.

		PCBs							TPH				
		Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Date**												
SW201	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW201	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW203	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW203	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW204	**15 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW204	**15 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	140	<100	140
SW207	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW212	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW212	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW215	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW215	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	**14 Nov 2023**	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50

Statistics

Number of Results	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**
Minimum Concentration	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Maximum Concentration	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**140**	**<100**	**140**
Average Concentration *	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**101**	**100**	**53**
Median Concentration *	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**100**	**100**	**50**

* A Non Detect Multiplier of 1 has been applied.

Table 67: Surface water - water quality data event 12

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (% SAT)	Salinity (ppt)	EC (uS/cm)
301						
302	20.3	5.11	241.7	34.3	0.06	126
303	26.0	7.76	137.4	98.0	44.39	65494
304	17.8	5.57	7.2	33.0	0.48	977
305	24.0	7.43	164.3	100.0	32.86	50112
306	28.6	7.87	27.8	79.8	42.21	62770
307	18.1	7.65	38.9	65.8	0.24	492.8
308						

Table 68: Surface water – water quality data event 12 statistical summary

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (% SAT)	Salinity (ppt)	EC (uS/cm)
min	17.8	5.11	7.2	33.0	0.06	126
max	28.6	7.87	241.7	100.0	44.39	65494
mean	22.5	6.90	102.9	68.5	20.04	29995
median	22.2	7.54	88.2	72.8	16.67	25545
range	10.8	2.76	234.5	67.0	44.33	65368

Table 69: Estuary surface water – water quality data event 12

Sampling Site ID	Shallow / Deep[1]	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (% SAT)	Salinity (ppt)	EC (uS/cm)
201	S	20.5	7.65	91.4	87.9	39.70	59514
201	D	20.5	7.65	91.2	87.6	39.88	59424
202	S	20.0	7.77	89.0	93.3	39.74	59303
202	D	19.8	7.78	88.6	94.0	39.82	59413
203	S	19.9	7.78	88.7	90.1	39.97	59604
203	D	19.9	7.79	88.1	91.2	39.92	59538
204	S	20.0	7.57	72.8	69.5	40.63	60479
204	D						
205	S	19.3	7.69	77	87	39.83	59432
205	D	19.3	7.7	75.7	86.5	40.04	59702
206	S	19.1	7.91	73.7	90.1	40.33	60088
206	D	19.1	7.91	73.5	90.3	40.39	60165
207	S	19.3	7.94	73.6	91.6	40.22	59940
207	D	19.3	7.95	73.3	92.3	40.24	59964
208	S	18.7	7.89	76.9	96.3	30.85	47328
208	D	18.7	7.89	76.5	95.9	40.84	60763
209	S	20.1	7.91	72.3	88.6	39.58	59097
209	D	19.6	7.86	71.3	82.4	39.95	59580
210	S	20	7.95	71.4	88.3	39.61	59128
210	D	20	7.94	71.6	88	39.66	59202
211	S	20.7	7.93	72.4	87.3	20.54	32798
211	D	20	7.89	71.4	87.6	39.74	69302
212	S	19.4	7.97	72.5	93.4	35.06	53055
212	D	19.4	7.93	71.9	92.5	39.9	59520
213	S	19.5	8.04	65.4	92.4	37.45	56267

Sampling Site ID	Shallow / Deep[1]	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (% SAT)	Salinity (ppt)	EC (uS/cm)
213	D	19.5	8.04	64.7	91.8	39.9	59511
214	S	19.5	7.88	66.2	80.6	39.82	59410
214	D	19.6	7.88	65.7	81.8	39.77	59351
215	S	18.8	7.83	77.9	95.1	40.66	60529
215	D	18.7	7.88	77	96.9	40.98	60940
216	S	18.2	5.02	267.9	100.7	39.86	59605
216	D	18.2	5.05	266.6	100.7	39.96	69608
217	S	18.2	8.15	56.1	97.4	41.25	61810
217	D	18.2	8.16	54.7	96.6	41.27	61332

[1]Shallow (S) indicates water quality taken from top of water column. Deep (D) indicates water quality taken from below of the water column.

Table 70: Estuary surface water – water quality data event 12 statistical summary

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	Salinity (ppt)	EC (uS/cm)
min	18.2	5.02	54.7	69.5	20.54	32798
max	20.7	8.16	267.9	100.7	41.27	69608
mean	19.4	7.70	86.3	90.5	39.01	58930
median	19.5	7.89	73.5	91.2	39.90	59538
range	2.5	3.14	213.2	31.2	20.73	36810

Appendix Z – Event 12 Documents

Lab Report Event 12

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

CERTIFICATE OF ANALYSIS 337868

Client Details

Client	Martens & Associates Pty Ltd
Attention	Trystan Richards
Address	Suite 201, 20 George St, Hornsby, NSW, 2077

Sample Details

Your Reference	**P1203365 – Water Sampling, West Culburra, NSW**
Number of Samples	60 Water
Date samples received	15/11/2023
Date completed instructions received	15/11/2023

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	22/11/2023
Date of Issue	22/11/2023

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Results Approved By
Diego Bigolin, Inorganics Supervisor
Dragana Tomas, Senior Chemist
Loren Bardwell, Development Chemist
Nick Sarlamis, Assistant Operation Manager

Authorised By
Nancy Zhang, Laboratory Manager

vTRH in Water (C6-C9) NEPM						
Our Reference		337868-7	337868-8	337868-9	337868-10	337868-11
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW201 W/1	3365/SW201 W/2	3365/SW202 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Date analysed	-	21/11/2023	21/11/2023	21/11/2023	21/11/2023	21/11/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	99	99	102	105	102
Surrogate Toluene-d8	%	98	97	98	98	98
Surrogate 4-Bromofluorobenzene	%	99	98	100	102	98

vTRH in Water (C6-C9) NEPM						
Our Reference		337868-12	337868-13	337868-14	337868-15	337868-16
Your Reference	UNITS	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW205 W/1	3365/SW205 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Date analysed	-	21/11/2023	21/11/2023	21/11/2023	21/11/2023	21/11/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	101	102	101	102	102
Surrogate Toluene-d8	%	98	98	98	98	98
Surrogate 4-Bromofluorobenzene	%	99	100	99	101	101

vTRH in Water (C6-C9) NEPM						
Our Reference		337868-17	337868-18	337868-19	337868-20	337868-21
Your Reference	UNITS	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Date analysed	-	21/11/2023	21/11/2023	21/11/2023	21/11/2023	21/11/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	102	101	102	101	102
Surrogate Toluene-d8	%	98	98	98	97	98
Surrogate 4-Bromofluorobenzene	%	99	99	99	100	99

vTRH in Water (C6-C9) NEPM						
Our Reference		337868-22	337868-23	337868-24	337868-25	337868-26
Your Reference	UNITS	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	21/11/2023	21/11/2023	21/11/2023	21/11/2023	21/11/2023
Date analysed	-	22/11/2023	22/11/2023	22/11/2023	22/11/2023	22/11/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	102	101	100	101	102
Surrogate Toluene-d8	%	98	97	97	98	97
Surrogate 4-Bromofluorobenzene	%	100	98	100	99	99

vTRH in Water (C6-C9) NEPM						
Our Reference		337868-27	337868-28	337868-29	337868-30	337868-31
Your Reference	UNITS	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	21/11/2023	21/11/2023	21/11/2023	21/11/2023	21/11/2023
Date analysed	-	22/11/2023	22/11/2023	22/11/2023	22/11/2023	22/11/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	101	101	102	101	101
Surrogate Toluene-d8	%	97	98	98	98	98
Surrogate 4-Bromofluorobenzene	%	99	99	98	99	98

vTRH in Water (C6-C9) NEPM						
Our Reference		337868-32	337868-33	337868-34	337868-35	337868-36
Your Reference	UNITS	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	21/11/2023	21/11/2023	21/11/2023	17/11/2023	17/11/2023
Date analysed	-	22/11/2023	22/11/2023	22/11/2023	20/11/2023	20/11/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	101	101	101	102	101
Surrogate Toluene-d8	%	97	98	97	98	98
Surrogate 4-Bromofluorobenzene	%	98	99	99	100	99

vTRH in Water (C6-C9) NEPM						
Our Reference		337868-37	337868-38	337868-39	337868-40	337868-41
Your Reference	UNITS	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2	3365/SW302 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	101	102	100	101	100
Surrogate Toluene-d8	%	98	98	98	98	98
Surrogate 4-Bromofluorobenzene	%	98	99	99	98	97

vTRH in Water (C6-C9) NEPM						
Our Reference		337868-42	337868-43	337868-44	337868-45	337868-46
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	99	102	101	100	100
Surrogate Toluene-d8	%	97	98	98	98	98
Surrogate 4-Bromofluorobenzene	%	98	99	99	98	97

vTRH in Water (C6-C9) NEPM						
Our Reference		337868-47	337868-48	337868-49	337868-50	337868-51
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	101	103	102	101	99
Surrogate Toluene-d8	%	98	98	98	98	97
Surrogate 4-Bromofluorobenzene	%	97	99	100	97	97

vTRH in Water (C6-C9) NEPM					
Our Reference		337868-52	337868-57	337868-58	337868-59
Your Reference	UNITS	3365/SW307 W/2	3365/SW103	3365/SW204 W/1	3365/SW204 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023
TRH C_6 - C_9	µg/L	<10	<10	<10	<10
TRH C_6 - C_{10}	µg/L	<10	<10	<10	<10
Surrogate Dibromofluoromethane	%	99	98	101	102
Surrogate Toluene-d8	%	98	98	98	98
Surrogate 4-Bromofluorobenzene	%	98	97	98	99

svTRH (C10-C40) in Water						
Our Reference		337868-7	337868-8	337868-9	337868-10	337868-11
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW201 W/1	3365/SW201 W/2	3365/SW202 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	18/11/2023	18/11/2023	18/11/2023	18/11/2023	18/11/2023
TRH C_{10} - C_{14}	µg/L	64	330	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	380	600	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	120	240	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	560	1,200	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	150	370	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	370	540	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	510	920	<50	<50	<50
Surrogate o-Terphenyl	%	85	133	75	78	100

svTRH (C10-C40) in Water						
Our Reference		337868-12	337868-13	337868-14	337868-15	337868-16
Your Reference	UNITS	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW205 W/1	3365/SW205 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	18/11/2023	18/11/2023	18/11/2023	18/11/2023	18/11/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	92	73	98	84	83

svTRH (C10-C40) in Water						
Our Reference		337868-17	337868-18	337868-19	337868-20	337868-21
Your Reference	UNITS	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	18/11/2023	18/11/2023	18/11/2023	18/11/2023	18/11/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	140	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	140	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	160	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	160	<50	<50
Surrogate o-Terphenyl	%	87	88	79	98	105

svTRH (C10-C40) in Water						
Our Reference		337868-22	337868-23	337868-24	337868-25	337868-26
Your Reference	UNITS	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	18/11/2023	18/11/2023	18/11/2023	18/11/2023	18/11/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	79	100	99	91	105

svTRH (C10-C40) in Water						
Our Reference		337868-27	337868-28	337868-29	337868-30	337868-31
Your Reference	UNITS	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	18/11/2023	18/11/2023	18/11/2023	18/11/2023	20/11/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	74	103	102	84	96

svTRH (C10-C40) in Water						
Our Reference		337868-32	337868-33	337868-34	337868-35	337868-36
Your Reference	UNITS	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	21/11/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	98	93	92	90	106

svTRH (C10-C40) in Water						
Our Reference		337868-37	337868-38	337868-39	337868-40	337868-41
Your Reference	UNITS	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2	3365/SW302 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	21/11/2023	21/11/2023	21/11/2023	21/11/2023	21/11/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	74
TRH C_{15} - C_{28}	µg/L	<100	<100	<100	<100	370
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	<50	<50	<50	<50	440
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	260
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	220
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	<50	<50	<50	<50	480
Surrogate o-Terphenyl	%	80	79	91	107	112

svTRH (C10-C40) in Water						
Our Reference		337868-42	337868-43	337868-44	337868-45	337868-46
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	21/11/2023	21/11/2023	21/11/2023	21/11/2023	21/11/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	190	150	<100	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	190	150	<50	<50	<50
TRH >C_{10} - C_{16}	µg/L	160	140	<50	<50	<50
TRH >C_{16} - C_{34}	µg/L	<100	<100	<100	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	160	140	<50	<50	<50
Surrogate o-Terphenyl	%	76	84	99	70	67

svTRH (C10-C40) in Water						
Our Reference		337868-47	337868-48	337868-49	337868-50	337868-51
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	21/11/2023	21/11/2023	21/11/2023	21/11/2023	21/11/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	120	<100	<100	<100	550
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	120	<50	<50	<50	550
TRH >C_{10} - C_{16}	µg/L	<50	<50	<50	<50	420
TRH >C_{16} - C_{34}	µg/L	110	<100	<100	<100	170
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	110	<50	<50	<50	590
Surrogate o-Terphenyl	%	105	93	89	72	111

svTRH (C10-C40) in Water					
Our Reference		337868-52	337868-57	337868-58	337868-59
Your Reference	UNITS	3365/SW307 W/2	3365/SW103	3365/SW204 W/1	3365/SW204 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	21/11/2023	21/11/2023	21/11/2023	21/11/2023
TRH C_{10} - C_{14}	µg/L	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	360	460	<100	<100
TRH C_{29} - C_{36}	µg/L	<100	<100	<100	<100
Total +ve TRH (C10-C36)	µg/L	360	460	<50	<50
TRH >C_{10} - C_{16}	µg/L	280	380	<50	<50
TRH >C_{16} - C_{34}	µg/L	110	140	<100	<100
TRH >C_{34} - C_{40}	µg/L	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	µg/L	400	520	<50	<50
Surrogate o-Terphenyl	%	87	94	94	97

PAHs in Water						
Our Reference		337868-7	337868-8	337868-9	337868-10	337868-11
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW201 W/1	3365/SW201 W/2	3365/SW202 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Naphthalene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	64	105	109	103	111

PAHs in Water						
Our Reference		337868-12	337868-13	337868-14	337868-15	337868-16
Your Reference	UNITS	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW205 W/1	3365/SW205 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Naphthalene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	116	97	108	111	99

PAHs in Water						
Our Reference		337868-17	337868-18	337868-19	337868-20	337868-21
Your Reference	UNITS	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Naphthalene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	100	106	115	109	110

PAHs in Water						
Our Reference		337868-22	337868-23	337868-24	337868-25	337868-26
Your Reference	UNITS	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Naphthalene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	99	102	103	107	111

PAHs in Water						
Our Reference		337868-27	337868-28	337868-29	337868-30	337868-31
Your Reference	UNITS	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	20/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	20/11/2023
Naphthalene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	93	103	103	97	118

PAHs in Water						
Our Reference		337868-32	337868-33	337868-34	337868-35	337868-36
Your Reference	UNITS	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Date analysed	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Naphthalene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	115	106	106	92	106

PAHs in Water						
Our Reference		337868-37	337868-38	337868-39	337868-40	337868-41
Your Reference	UNITS	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2	3365/SW302 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Date analysed	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Naphthalene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	91	82	90	102	90

PAHs in Water						
Our Reference		337868-42	337868-43	337868-44	337868-45	337868-46
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Date analysed	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Naphthalene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	78	91	94	93	87

PAHs in Water						
Our Reference		337868-47	337868-48	337868-49	337868-50	337868-51
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Date analysed	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Naphthalene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	95	106	115	98	80

PAHs in Water					
Our Reference		337868-52	337868-57	337868-58	337868-59
Your Reference	UNITS	3365/SW307 W/2	3365/SW103	3365/SW204 W/1	3365/SW204 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water
Date extracted	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Date analysed	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Naphthalene	µg/L	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	µg/L	<0.1	<0.1	<0.1	<0.1
Surrogate p-Terphenyl-d14	%	74	112	110	114

Organochlorine Pesticides in Water						
Our Reference		337868-7	337868-8	337868-9	337868-10	337868-11
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW201 W/1	3365/SW201 W/2	3365/SW202 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	93	97	97	83	99

Organochlorine Pesticides in Water						
Our Reference		337868-12	337868-13	337868-14	337868-15	337868-16
Your Reference	UNITS	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW205 W/1	3365/SW205 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	105	85	97	103	90

Organochlorine Pesticides in Water						
Our Reference		337868-17	337868-18	337868-19	337868-20	337868-21
Your Reference	UNITS	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	89	97	105	98	101

Organochlorine Pesticides in Water						
Our Reference		337868-22	337868-23	337868-24	337868-25	337868-26
Your Reference	UNITS	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	91	94	86	96	101

Organochlorine Pesticides in Water						
Our Reference		337868-27	337868-28	337868-29	337868-30	337868-31
Your Reference	UNITS	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	20/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	20/11/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	82	95	94	87	119

Organochlorine Pesticides in Water						
Our Reference		337868-32	337868-33	337868-34	337868-35	337868-36
Your Reference	UNITS	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Date analysed	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	119	111	111	94	109

Organochlorine Pesticides in Water						
Our Reference		337868-37	337868-38	337868-39	337868-40	337868-41
Your Reference	UNITS	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2	3365/SW302 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Date analysed	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	93	82	91	102	92

Organochlorine Pesticides in Water						
Our Reference		337868-42	337868-43	337868-44	337868-45	337868-46
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Date analysed	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	79	93	96	77	81

Organochlorine Pesticides in Water						
Our Reference		337868-47	337868-48	337868-49	337868-50	337868-51
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Date analysed	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	93	99	109	91	78

Organochlorine Pesticides in Water					
Our Reference		337868-52	337868-57	337868-58	337868-59
Your Reference	UNITS	3365/SW307 W/2	3365/SW103	3365/SW204 W/1	3365/SW204 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water
Date extracted	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Date analysed	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023
alpha-BHC	µg/L	<0.2	<0.2	<0.2	<0.2
HCB	µg/L	<0.2	<0.2	<0.2	<0.2
beta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2
gamma-BHC	µg/L	<0.2	<0.2	<0.2	<0.2
Heptachlor	µg/L	<0.2	<0.2	<0.2	<0.2
delta-BHC	µg/L	<0.2	<0.2	<0.2	<0.2
Aldrin	µg/L	<0.2	<0.2	<0.2	<0.2
Heptachlor Epoxide	µg/L	<0.2	<0.2	<0.2	<0.2
gamma-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2
alpha-Chlordane	µg/L	<0.2	<0.2	<0.2	<0.2
Endosulfan I	µg/L	<0.2	<0.2	<0.2	<0.2
pp-DDE	µg/L	<0.2	<0.2	<0.2	<0.2
Dieldrin	µg/L	<0.2	<0.2	<0.2	<0.2
Endrin	µg/L	<0.2	<0.2	<0.2	<0.2
Endosulfan II	µg/L	<0.2	<0.2	<0.2	<0.2
pp-DDD	µg/L	<0.2	<0.2	<0.2	<0.2
Endrin Aldehyde	µg/L	<0.2	<0.2	<0.2	<0.2
pp-DDT	µg/L	<0.2	<0.2	<0.2	<0.2
Endosulfan Sulphate	µg/L	<0.2	<0.2	<0.2	<0.2
Methoxychlor	µg/L	<0.2	<0.2	<0.2	<0.2
Surrogate TCMX	%	71	106	102	104

PCBs in Water						
Our Reference		337868-7	337868-8	337868-9	337868-10	337868-11
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW201 W/1	3365/SW201 W/2	3365/SW202 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	93	97	97	83	99

PCBs in Water						
Our Reference		337868-12	337868-13	337868-14	337868-15	337868-16
Your Reference	UNITS	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW205 W/1	3365/SW205 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	105	85	97	103	90

PCBs in Water						
Our Reference		337868-17	337868-18	337868-19	337868-20	337868-21
Your Reference	UNITS	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	89	97	105	98	101

PCBs in Water						
Our Reference		337868-22	337868-23	337868-24	337868-25	337868-26
Your Reference	UNITS	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	91	94	86	96	101

PCBs in Water						
Our Reference		337868-27	337868-28	337868-29	337868-30	337868-31
Your Reference	UNITS	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	20/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	20/11/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	82	95	94	87	119

PCBs in Water						
Our Reference		337868-32	337868-33	337868-34	337868-35	337868-36
Your Reference	UNITS	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Date analysed	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	119	111	111	94	109

PCBs in Water						
Our Reference		337868-37	337868-38	337868-39	337868-40	337868-41
Your Reference	UNITS	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2	3365/SW302 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Date analysed	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	93	82	91	102	92

PCBs in Water						
Our Reference		337868-42	337868-43	337868-44	337868-45	337868-46
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Date analysed	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	79	93	96	77	81

PCBs in Water						
Our Reference		337868-47	337868-48	337868-49	337868-50	337868-51
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date extracted	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Date analysed	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Aroclor 1016	µg/L	<2	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2	<2
Surrogate TCMX	%	93	99	109	91	78

PCBs in Water					
Our Reference		337868-52	337868-57	337868-58	337868-59
Your Reference	UNITS	3365/SW307 W/2	3365/SW103	3365/SW204 W/1	3365/SW204 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water
Date extracted	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Date analysed	-	20/11/2023	20/11/2023	20/11/2023	20/11/2023
Aroclor 1016	µg/L	<2	<2	<2	<2
Aroclor 1221	µg/L	<2	<2	<2	<2
Aroclor 1232	µg/L	<2	<2	<2	<2
Aroclor 1242	µg/L	<2	<2	<2	<2
Aroclor 1248	µg/L	<2	<2	<2	<2
Aroclor 1254	µg/L	<2	<2	<2	<2
Aroclor 1260	µg/L	<2	<2	<2	<2
Surrogate TCMX	%	71	106	102	104

All metals in water - total						
Our Reference		337868-7	337868-8	337868-9	337868-10	337868-11
Your Reference	UNITS	3365/SW101	3365/SW102	3365/SW201 W/1	3365/SW201 W/2	3365/SW202 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Aluminium-Total	µg/L	160	620	120	100	90
Arsenic-Total	µg/L	2	<1	1	1	1
Chromium-Total	µg/L	<1	<1	<1	<1	<1
Copper-Total	µg/L	5	2	<1	<1	<1
Iron-Total	µg/L	1,600	260	250	220	210
Mercury-Total	µg/L	<0.05	0.2	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	13	12	3	2	<1

All metals in water - total						
Our Reference		337868-12	337868-13	337868-14	337868-15	337868-16
Your Reference	UNITS	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW205 W/1	3365/SW205 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Aluminium-Total	µg/L	40	30	70	80	80
Arsenic-Total	µg/L	1	1	1	1	1
Chromium-Total	µg/L	<1	<1	<1	<1	<1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	250	60	160	150	150
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	6	3	2	<1	<1

All metals in water - total						
Our Reference		337868-17	337868-18	337868-19	337868-20	337868-21
Your Reference	UNITS	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2	3365/SW208 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Aluminium-Total	µg/L	40	30	40	40	40
Arsenic-Total	µg/L	1	1	1	1	1
Chromium-Total	µg/L	<1	<1	<1	<1	<1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	70	60	80	90	60
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	1	<1	1	<1	<1

All metals in water - total						
Our Reference		337868-22	337868-23	337868-24	337868-25	337868-26
Your Reference	UNITS	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1	3365/SW210 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Aluminium-Total	µg/L	30	50	40	110	30
Arsenic-Total	µg/L	1	1	<1	1	1
Chromium-Total	µg/L	<1	<1	<1	<1	<1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	70	80	70	200	80
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	<1	1	<1	1	<1

All metals in water - total						
Our Reference		337868-27	337868-28	337868-29	337868-30	337868-31
Your Reference	UNITS	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2	3365/SW213 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Aluminium-Total	µg/L	70	40	40	50	50
Arsenic-Total	µg/L	1	1	1	1	1
Chromium-Total	µg/L	<1	<1	<1	<1	<1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	150	60	80	120	80
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	1	<1	<1	<1	2

All metals in water - total						
Our Reference		337868-32	337868-33	337868-34	337868-35	337868-36
Your Reference	UNITS	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1	3365/SW215 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Aluminium-Total	µg/L	50	60	70	20	20
Arsenic-Total	µg/L	1	1	1	1	1
Chromium-Total	µg/L	<1	<1	<1	<1	<1
Copper-Total	µg/L	<1	<1	<1	<1	<1
Iron-Total	µg/L	80	100	110	40	50
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	<1	<1	2	<1	<1

All metals in water - total						
Our Reference		337868-37	337868-38	337868-39	337868-40	337868-41
Your Reference	UNITS	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2	3365/SW302 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Aluminium-Total	µg/L	20	20	10	10	3,500
Arsenic-Total	µg/L	1	1	1	1	<1
Chromium-Total	µg/L	<1	<1	<1	<1	3
Copper-Total	µg/L	<1	<1	<1	<1	3
Iron-Total	µg/L	50	40	30	20	5,300
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	0.2
Lead-Total	µg/L	<1	<1	<1	<1	5
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	<1	2	<1	2	11

All metals in water - total						
Our Reference		337868-42	337868-43	337868-44	337868-45	337868-46
Your Reference	UNITS	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1	3365/SW304 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Aluminium-Total	µg/L	3,100	40	460	360	480
Arsenic-Total	µg/L	<1	2	3	<1	<1
Chromium-Total	µg/L	3	<1	1	<1	1
Copper-Total	µg/L	3	<1	<1	2	1
Iron-Total	µg/L	5,000	470	1,600	3,100	5,600
Mercury-Total	µg/L	0.2	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	5	<1	1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	9	4	10	30	28

All metals in water - total						
Our Reference		337868-47	337868-48	337868-49	337868-50	337868-51
Your Reference	UNITS	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2	3365/SW307 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Aluminium-Total	µg/L	90	100	300	290	510
Arsenic-Total	µg/L	<1	<1	2	2	<1
Chromium-Total	µg/L	<1	<1	<1	<1	2
Copper-Total	µg/L	<1	<1	<1	<1	2
Iron-Total	µg/L	330	330	480	520	730
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	0.06
Lead-Total	µg/L	<1	<1	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	3	1	4	3	18

All metals in water - total						
Our Reference		337868-52	337868-53	337868-54	337868-55	337868-57
Your Reference	UNITS	3365/SW307 W/2	3365/DUP01	3365/DUP02	3365/DUP03	3365/SW103
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Aluminium-Total	µg/L	450	40	60	440	210
Arsenic-Total	µg/L	<1	1	1	<1	<1
Chromium-Total	µg/L	2	<1	<1	2	1
Copper-Total	µg/L	1	<1	<1	2	6
Iron-Total	µg/L	720	90	100	700	120
Mercury-Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1	<1	3
Selenium-Total	µg/L	<1	<1	<1	<1	<1
Zinc-Total	µg/L	15	1	2	18	27

All metals in water - total				
Our Reference		337868-58	337868-59	337868-60
Your Reference	UNITS	3365/SW204 W/1	3365/SW204 W/2	3365/DUP04
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water
Date prepared	-	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023
Aluminium-Total	µg/L	160	390	90
Arsenic-Total	µg/L	1	4	<1
Chromium-Total	µg/L	<1	<1	<1
Copper-Total	µg/L	<1	3	3
Iron-Total	µg/L	340	3,500	80
Mercury-Total	µg/L	<0.05	<0.05	<0.05
Lead-Total	µg/L	<1	<1	<1
Selenium-Total	µg/L	<1	<1	<1
Zinc-Total	µg/L	2	5	15

Metals in Waters - Acid extractable						
Our Reference		337868-1	337868-2	337868-3	337868-4	337868-5
Your Reference	UNITS	3365/GW201	3365/GW202	3365/GW203	3365/GW204	3365/GW206
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Phosphorus - Total	mg/L	0.1	0.3	<0.05	0.2	0.2

Metals in Waters - Acid extractable						
Our Reference		337868-6	337868-7	337868-8	337868-9	337868-10
Your Reference	UNITS	3365/GW207	3365/SW101	3365/SW102	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Phosphorus - Total	mg/L	0.06	2.4	0.2	0.06	0.05

Metals in Waters - Acid extractable						
Our Reference		337868-11	337868-12	337868-13	337868-14	337868-15
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW205 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		337868-16	337868-17	337868-18	337868-19	337868-20
Your Reference	UNITS	3365/SW205 W/2	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	<0.1	<0.1

Metals in Waters - Acid extractable						
Our Reference		337868-21	337868-22	337868-23	337868-24	337868-25
Your Reference	UNITS	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		337868-26	337868-27	337868-28	337868-29	337868-30
Your Reference	UNITS	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		337868-31	337868-32	337868-33	337868-34	337868-35
Your Reference	UNITS	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		337868-36	337868-37	337868-38	337868-39	337868-40
Your Reference	UNITS	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Phosphorus - Total	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05

Metals in Waters - Acid extractable						
Our Reference		337868-41	337868-42	337868-43	337868-44	337868-45
Your Reference	UNITS	3365/SW302 W/1	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Phosphorus - Total	mg/L	0.1	0.1	0.06	0.09	<0.05

Metals in Waters - Acid extractable						
Our Reference		337868-46	337868-47	337868-48	337868-49	337868-50
Your Reference	UNITS	3365/SW304 W/2	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Phosphorus - Total	mg/L	<0.05	0.06	0.07	0.07	0.08

Metals in Waters - Acid extractable						
Our Reference		337868-51	337868-52	337868-57	337868-58	337868-59
Your Reference	UNITS	3365/SW307 W/1	3365/SW307 W/2	3365/SW103	3365/SW204 W/1	3365/SW204 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Date analysed	-	17/11/2023	17/11/2023	17/11/2023	17/11/2023	17/11/2023
Phosphorus - Total	mg/L	<0.05	<0.05	0.08	0.08	0.3

Miscellaneous Inorganics						
Our Reference		337868-1	337868-2	337868-3	337868-4	337868-5
Your Reference	UNITS	3365/GW201	3365/GW202	3365/GW203	3365/GW204	3365/GW206
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	15/11/2023	15/11/2023	15/11/2023	15/11/2023	15/11/2023
Date analysed	-	15/11/2023	15/11/2023	15/11/2023	15/11/2023	15/11/2023
Total Nitrogen in water	mg/L	0.1	0.1	<0.1	<0.1	0.3
Phosphate as P in water	mg/L	<0.005	0.15	0.02	0.34	0.04

Miscellaneous Inorganics						
Our Reference		337868-6	337868-7	337868-8	337868-9	337868-10
Your Reference	UNITS	3365/GW207	3365/SW101	3365/SW102	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	15/11/2023	15/11/2023	15/11/2023	15/11/2023	15/11/2023
Date analysed	-	15/11/2023	15/11/2023	15/11/2023	15/11/2023	15/11/2023
Total Suspended Solids	mg/L	[NA]	22	84	28	22
Total Nitrogen in water	mg/L	0.2	35	3.1	0.1	0.1
Phosphate as P in water	mg/L	<0.005	1.7	0.078	0.01	0.01
Chlorophyll a	mg/m^3	[NA]	61	8	<1	<1

Miscellaneous Inorganics						
Our Reference		337868-11	337868-12	337868-13	337868-14	337868-15
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW205 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	15/11/2023	15/11/2023	15/11/2023	15/11/2023	15/11/2023
Date analysed	-	15/11/2023	15/11/2023	15/11/2023	15/11/2023	15/11/2023
Total Suspended Solids	mg/L	18	19	20	18	23
Total Nitrogen in water	mg/L	0.1	<0.1	0.1	0.1	0.1
Phosphate as P in water	mg/L	0.008	0.008	0.007	0.008	0.007
Chlorophyll a	mg/m^3	1	<1	<1	<1	2

Miscellaneous Inorganics						
Our Reference		337868-16	337868-17	337868-18	337868-19	337868-20
Your Reference	UNITS	3365/SW205 W/2	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	15/11/2023	15/11/2023	15/11/2023	15/11/2023	15/11/2023
Date analysed	-	15/11/2023	15/11/2023	15/11/2023	15/11/2023	15/11/2023
Total Suspended Solids	mg/L	18	8	18	21	22
Total Nitrogen in water	mg/L	0.1	<0.1	0.1	<0.1	<0.1
Phosphate as P in water	mg/L	0.007	0.009	0.007	0.007	0.006
Chlorophyll a	mg/m^3	2	<1	2	<1	2

Miscellaneous Inorganics						
Our Reference		337868-21	337868-22	337868-23	337868-24	337868-25
Your Reference	UNITS	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	15/11/2023	15/11/2023	15/11/2023	15/11/2023	15/11/2023
Date analysed	-	15/11/2023	15/11/2023	15/11/2023	15/11/2023	15/11/2023
Total Suspended Solids	mg/L	25	23	24	21	23
Total Nitrogen in water	mg/L	<0.1	<0.1	0.1	0.1	<0.1
Phosphate as P in water	mg/L	0.006	0.006	0.007	0.007	0.006
Chlorophyll a	mg/m^3	2	3	3	<1	1

Miscellaneous Inorganics						
Our Reference		337868-26	337868-27	337868-28	337868-29	337868-30
Your Reference	UNITS	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	15/11/2023	15/11/2023	15/11/2023	15/11/2023	15/11/2023
Date analysed	-	15/11/2023	15/11/2023	15/11/2023	15/11/2023	15/11/2023
Total Suspended Solids	mg/L	16	14	22	27	18
Total Nitrogen in water	mg/L	0.1	0.1	0.1	0.1	0.1
Phosphate as P in water	mg/L	0.006	0.007	0.007	0.007	0.006
Chlorophyll a	mg/m^3	2	<1	<1	<1	<1

Miscellaneous Inorganics						
Our Reference		337868-31	337868-32	337868-33	337868-34	337868-35
Your Reference	UNITS	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	15/11/2023	15/11/2023	15/11/2023	15/11/2023	15/11/2023
Date analysed	-	15/11/2023	15/11/2023	15/11/2023	15/11/2023	15/11/2023
Total Suspended Solids	mg/L	22	22	26	18	20
Total Nitrogen in water	mg/L	0.1	0.1	0.1	0.1	0.1
Phosphate as P in water	mg/L	0.007	0.006	0.007	0.007	0.008
Chlorophyll a	mg/m^3	<1	<1	1	<1	1

Miscellaneous Inorganics						
Our Reference		337868-36	337868-37	337868-38	337868-39	337868-40
Your Reference	UNITS	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	15/11/2023	15/11/2023	15/11/2023	15/11/2023	15/11/2023
Date analysed	-	15/11/2023	15/11/2023	15/11/2023	15/11/2023	15/11/2023
Total Suspended Solids	mg/L	26	28	24	24	18
Total Nitrogen in water	mg/L	0.1	0.1	0.1	0.1	<0.1
Phosphate as P in water	mg/L	0.007	<0.005	<0.005	<0.005	0.007
Chlorophyll a	mg/m^3	<1	2	2	<1	2

Miscellaneous Inorganics						
Our Reference		337868-41	337868-42	337868-43	337868-44	337868-45
Your Reference	UNITS	3365/SW302 W/1	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	15/11/2023	15/11/2023	15/11/2023	15/11/2023	15/11/2023
Date analysed	-	15/11/2023	15/11/2023	15/11/2023	15/11/2023	15/11/2023
Total Suspended Solids	mg/L	81	35	78	70	26
Total Nitrogen in water	mg/L	1.6	1.5	1.5	1.4	0.7
Phosphate as P in water	mg/L	0.02	0.02	<0.005	<0.005	<0.005
Chlorophyll a	mg/m^3	3	<1	20	10	4

Miscellaneous Inorganics						
Our Reference		337868-46	337868-47	337868-48	337868-49	337868-50
Your Reference	UNITS	3365/SW304 W/2	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	15/11/2023	15/11/2023	15/11/2023	15/11/2023	15/11/2023
Date analysed	-	15/11/2023	15/11/2023	15/11/2023	15/11/2023	15/11/2023
Total Suspended Solids	mg/L	27	22	28	80	58
Total Nitrogen in water	mg/L	0.7	1.1	0.9	1.5	1.4
Phosphate as P in water	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorophyll a	mg/m^3	<1	3	2	2	<1

Miscellaneous Inorganics						
Our Reference		337868-51	337868-52	337868-56	337868-57	337868-58
Your Reference	UNITS	3365/SW307 W/1	3365/SW307 W/2	3365/GW DUP01	3365/SW103	3365/SW204 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	15/11/2023	15/11/2023	15/11/2023	15/11/2023	15/11/2023
Date analysed	-	15/11/2023	15/11/2023	15/11/2023	15/11/2023	15/11/2023
Total Suspended Solids	mg/L	6	6	[NA]	14	98
Total Nitrogen in water	mg/L	1.6	1.1	[NA]	2.2	0.3
Phosphate as P in water	mg/L	<0.005	<0.005	[NA]	<0.005	0.02
Chlorophyll a	mg/m^3	<1	<1	[NA]	6	3
pH	pH Units	[NA]	[NA]	6.2	[NA]	[NA]
Electrical Conductivity	µS/cm	[NA]	[NA]	3,400	[NA]	[NA]

Miscellaneous Inorganics		
Our Reference		337868-59
Your Reference	UNITS	3365/SW204 W/2
Date Sampled		13/11/2023-15/11/2023
Type of sample		Water
Date prepared	-	15/11/2023
Date analysed	-	15/11/2023
Total Suspended Solids	mg/L	39
Total Nitrogen in water	mg/L	0.2
Phosphate as P in water	mg/L	0.02
Chlorophyll a	mg/m^3	9

Microbiologocal Testing						
Our Reference		337868-1	337868-2	337868-3	337868-4	337868-5
Your Reference	UNITS	3365/GW201	3365/GW202	3365/GW203	3365/GW204	3365/GW206
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	16/11/2023	16/11/2023	16/11/2023	16/11/2023	16/11/2023
Faecal Coliforms	cfu/100mL	<100	<100	<10	<100	<100

Microbiologocal Testing						
Our Reference		337868-6	337868-7	337868-8	337868-9	337868-10
Your Reference	UNITS	3365/GW207	3365/SW101	3365/SW102	3365/SW201 W/1	3365/SW201 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	16/11/2023	16/11/2023	16/11/2023	16/11/2023	16/11/2023
E. coli	cfu/100mL	[NA]	<18	>16000	<1	<10
Faecal Coliforms	cfu/100mL	<18	<18	>16000	<1	<10

Microbiologocal Testing						
Our Reference		337868-11	337868-12	337868-13	337868-14	337868-15
Your Reference	UNITS	3365/SW202 W/1	3365/SW202 W/2	3365/SW203 W/1	3365/SW203 W/2	3365/SW205 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	16/11/2023	16/11/2023	16/11/2023	16/11/2023	16/11/2023
E. coli	cfu/100mL	<10	<10	>1&<10	>1&<10	10
Faecal Coliforms	cfu/100mL	<10	<10	>1&<10	>1&<10	10

Microbiologocal Testing						
Our Reference		337868-16	337868-17	337868-18	337868-19	337868-20
Your Reference	UNITS	3365/SW205 W/2	3365/SW206 W/1	3365/SW206 W/2	3365/SW207 W/1	3365/SW207 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	16/11/2023	16/11/2023	16/11/2023	16/11/2023	16/11/2023
E. coli	cfu/100mL	10	>1&<10	>1&<10	<10	1^A
Faecal Coliforms	cfu/100mL	10	>1&<10	>1&<10	<10	1^A

Microbiologocal Testing						
Our Reference		337868-21	337868-22	337868-23	337868-24	337868-25
Your Reference	UNITS	3365/SW208 W/1	3365/SW208 W/2	3365/SW209 W/1	3365/SW209 W/2	3365/SW210 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	16/11/2023	16/11/2023	16/11/2023	16/11/2023	16/11/2023
E. coli	cfu/100mL	<1	<10	>1&<10	<1	<1
Faecal Coliforms	cfu/100mL	<1	<10	>1&<10	<1	<1

Microbiologocal Testing						
Our Reference		337868-26	337868-27	337868-28	337868-29	337868-30
Your Reference	UNITS	3365/SW210 W/2	3365/SW211 W/1	3365/SW211 W/2	3365/SW212 W/1	3365/SW212 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	16/11/2023	16/11/2023	16/11/2023	16/11/2023	16/11/2023
E. coli	cfu/100mL	<1	<10	<1	<100	<10
Faecal Coliforms	cfu/100mL	<1	<10	<1	<100	<10

Microbiologocal Testing						
Our Reference		337868-31	337868-32	337868-33	337868-34	337868-35
Your Reference	UNITS	3365/SW213 W/1	3365/SW213 W/2	3365/SW214 W/1	3365/SW214 W/2	3365/SW215 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	16/11/2023	16/11/2023	16/11/2023	16/11/2023	16/11/2023
E. coli	cfu/100mL	<10	<10	6A	2^A	>1&<10
Faecal Coliforms	cfu/100mL	<10	<10	6A	2^A	>1&<10

Microbiologocal Testing						
Our Reference		337868-36	337868-37	337868-38	337868-39	337868-40
Your Reference	UNITS	3365/SW215 W/2	3365/SW216 W/1	3365/SW216 W/2	3365/SW217 W/1	3365/SW217 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	16/11/2023	16/11/2023	16/11/2023	16/11/2023	16/11/2023
E. coli	cfu/100mL	<100	<1	>1&<10	<10	>1&<10
Faecal Coliforms	cfu/100mL	<100	<1	>1&<10	<10	>1&<10

Microbiologocal Testing						
Our Reference		337868-41	337868-42	337868-43	337868-44	337868-45
Your Reference	UNITS	3365/SW302 W/1	3365/SW302 W/2	3365/SW303 W/1	3365/SW303 W/2	3365/SW304 W/1
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	16/11/2023	16/11/2023	16/11/2023	16/11/2023	16/11/2023
E. coli	cfu/100mL	<18	<18	<18	<18	20
Faecal Coliforms	cfu/100mL	<18	<18	<18	<18	20

Microbiologocal Testing						
Our Reference		337868-46	337868-47	337868-48	337868-49	337868-50
Your Reference	UNITS	3365/SW304 W/2	3365/SW305 W/1	3365/SW305 W/2	3365/SW306 W/1	3365/SW306 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	16/11/2023	16/11/2023	16/11/2023	16/11/2023	16/11/2023
E. coli	cfu/100mL	<18	<18	<18	<18	<18
Faecal Coliforms	cfu/100mL	<18	<18	<18	<18	<18

Microbiologocal Testing						
Our Reference		337868-51	337868-52	337868-57	337868-58	337868-59
Your Reference	UNITS	3365/SW307 W/1	3365/SW307 W/2	3365/SW103	3365/SW204 W/1	3365/SW204 W/2
Date Sampled		13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023	13/11/2023-15/11/2023
Type of sample		Water	Water	Water	Water	Water
Date of testing	-	16/11/2023	16/11/2023	16/11/2023	16/11/2023	16/11/2023
E. coli	cfu/100mL	<18	<18	100	>1&<10	100
Faecal Coliforms	cfu/100mL	<18	<18	100	>1&<10	100

Method ID	Methodology Summary
Ext-008	Subcontracted to Sonic Food & Water Testing. NATA Accreditation No. 4034.
Inorg-001	pH - Measured using pH meter and electrode in accordance with APHA latest edition, 4500-H+. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.
Inorg-002	Conductivity and Salinity - measured using a conductivity cell at 25°C in accordance with APHA latest edition 2510 and Rayment & Lyons.
Inorg-019	Suspended Solids - determined gravimetricially by filtration of the sample. The samples are dried at 104+/-5°C.
Inorg-055/062/127	Total Nitrogen - Calculation sum of TKN and oxidised Nitrogen. Alternatively analysed by combustion and chemiluminescence.
Inorg-060	Phosphate determined colourimetrically based on EPA365.1 and APHA latest edition 4500 P E. Waters samples are filtered on receipt prior to analysis. Soils are analysed following a water extraction.
INORG-119	Chlorophyll A based on APHA 10200 H latest edition.
Metals-020	Determination of various metals by ICP-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Metals-022	Determination of various metals by ICP-MS. Please note for Bromine and Iodine, any forms of these elements that are present are included together in the one result reported for each of these two elements. Salt forms (e.g. FeO, PbO, ZnO) are determinined stoichiometrically from the base metal concentration.
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-021/022/025	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD and/or GC-MS/GC-MSMS.
Org-021/022/025	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD and/or GC-MS/GC-MSMS. Note, the Total +ve PCBs PQL is reflective of the lowest individual PQL and is therefore" Total +ve PCBs" is simply a sum of the positive individual PCBs.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	[NT]
Date extracted	-			17/11/2023	35	17/11/2023	21/11/2023		20/11/2023	[NT]
Date analysed	-			20/11/2023	35	20/11/2023	22/11/2023		21/11/2023	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	<10	35	<10	<10	0	103	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	<10	35	<10	<10	0	103	[NT]
Surrogate Dibromofluoromethane	%		Org-023	99	35	102	102	0	96	[NT]
Surrogate Toluene-d8	%		Org-023	99	35	98	98	0	102	[NT]
Surrogate 4-Bromofluorobenzene	%		Org-023	97	35	100	101	1	95	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W5	[NT]
Date extracted	-			[NT]	36	17/11/2023	21/11/2023		17/11/2023	[NT]
Date analysed	-			[NT]	36	20/11/2023	22/11/2023		20/11/2023	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	36	<10	<10	0	109	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	36	<10	<10	0	109	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	36	101	101	0	98	[NT]
Surrogate Toluene-d8	%		Org-023	[NT]	36	98	98	0	102	[NT]
Surrogate 4-Bromofluorobenzene	%		Org-023	[NT]	36	99	98	1	94	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W6	[NT]
Date extracted	-			[NT]	37	17/11/2023	21/11/2023		17/11/2023	[NT]
Date analysed	-			[NT]	37	20/11/2023	22/11/2023		20/11/2023	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	37	<10	<10	0	112	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	37	<10	<10	0	112	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	37	101	101	0	96	[NT]
Surrogate Toluene-d8	%		Org-023	[NT]	37	98	97	1	102	[NT]
Surrogate 4-Bromofluorobenzene	%		Org-023	[NT]	37	98	97	1	92	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	41	17/11/2023	21/11/2023		[NT]	[NT]
Date analysed	-			[NT]	41	20/11/2023	22/11/2023		[NT]	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	41	<10	<10	0	[NT]	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	41	<10	<10	0	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	41	100	100	0	[NT]	[NT]
Surrogate Toluene-d8	%		Org-023	[NT]	41	98	97	1	[NT]	[NT]
Surrogate 4-Bromofluorobenzene	%		Org-023	[NT]	41	97	101	4	[NT]	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	49	17/11/2023	21/11/2023		[NT]	[NT]
Date analysed	-			[NT]	49	20/11/2023	22/11/2023		[NT]	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	[NT]	49	<10	<10	0	[NT]	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	[NT]	49	<10	<10	0	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-023	[NT]	49	102	102	0	[NT]	[NT]
Surrogate Toluene-d8	%		Org-023	[NT]	49	98	97	1	[NT]	[NT]
Surrogate 4-Bromofluorobenzene	%		Org-023	[NT]	49	100	97	3	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	337868-8
Date extracted	-			17/11/2023	7	17/11/2023	17/11/2023		20/11/2023	17/11/2023
Date analysed	-			18/11/2023	7	18/11/2023	18/11/2023		20/11/2023	18/11/2023
TRH C_{10} - C_{14}	µg/L	50	Org-020	<50	7	64	<50	25	76	92
TRH C_{15} - C_{28}	µg/L	100	Org-020	<100	7	380	410	8	82	101
TRH C_{29} - C_{36}	µg/L	100	Org-020	<100	7	120	180	40	85	102
TRH >C_{10} - C_{16}	µg/L	50	Org-020	<50	7	150	160	6	76	92
TRH >C_{16} - C_{34}	µg/L	100	Org-020	<100	7	370	340	8	82	101
TRH >C_{34} - C_{40}	µg/L	100	Org-020	<100	7	<100	<100	0	85	102
Surrogate o-Terphenyl	%		Org-020	92	7	85	99	15	105	102

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	337868-26
Date extracted	-			[NT]	14	17/11/2023	17/11/2023		17/11/2023	17/11/2023
Date analysed	-			[NT]	14	18/11/2023	18/11/2023		18/11/2023	18/11/2023
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	14	<50	<50	0	107	107
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	14	<100	<100	0	116	108
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	14	<100	<100	0	114	112
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	14	<50	<50	0	107	107
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	14	<100	<100	0	116	108
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	14	<100	<100	0	114	112
Surrogate o-Terphenyl	%		Org-020	[NT]	14	98	99	1	89	108

QUALITY CONTROL: svTRH (C10-C40) in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	337868-32
Date extracted	-			[NT]	25	17/11/2023	17/11/2023		17/11/2023	17/11/2023
Date analysed	-			[NT]	25	18/11/2023	18/11/2023		18/11/2023	20/11/2023
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	25	<50	<50	0	94	75
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	25	<100	<100	0	105	75
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	25	<100	<100	0	86	95
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	25	<50	<50	0	94	75
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	25	<100	<100	0	105	75
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	25	<100	<100	0	86	95
Surrogate o-Terphenyl	%		Org-020	[NT]	25	91	93	2	82	105

QUALITY CONTROL: svTRH (C10-C40) in Water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	337868-52
Date extracted	-			[NT]	31	17/11/2023	17/11/2023		[NT]	17/11/2023
Date analysed	-			[NT]	31	20/11/2023	20/11/2023		[NT]	21/11/2023
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	31	<50	<50	0	[NT]	91
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	31	<100	<100	0	[NT]	84
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	31	<100	<100	0	[NT]	90
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	31	<50	<50	0	[NT]	91
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	31	<100	<100	0	[NT]	84
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	31	<100	<100	0	[NT]	90
Surrogate o-Terphenyl	%		Org-020	[NT]	31	96	100	4	[NT]	87

QUALITY CONTROL: svTRH (C10-C40) in Water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	42	17/11/2023	17/11/2023		[NT]	[NT]
Date analysed	-			[NT]	42	21/11/2023	21/11/2023		[NT]	[NT]
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	42	<50	<50	0	[NT]	[NT]
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	42	190	220	15	[NT]	[NT]
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	42	<100	<100	0	[NT]	[NT]
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	42	160	180	12	[NT]	[NT]
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	42	<100	110	10	[NT]	[NT]
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	42	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-020	[NT]	42	76	83	9	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	51	17/11/2023	17/11/2023		[NT]	[NT]
Date analysed	-			[NT]	51	21/11/2023	21/11/2023		[NT]	[NT]
TRH C_{10} - C_{14}	µg/L	50	Org-020	[NT]	51	<50	<50	0	[NT]	[NT]
TRH C_{15} - C_{28}	µg/L	100	Org-020	[NT]	51	550	800	37	[NT]	[NT]
TRH C_{29} - C_{36}	µg/L	100	Org-020	[NT]	51	<100	<100	0	[NT]	[NT]
TRH >C_{10} - C_{16}	µg/L	50	Org-020	[NT]	51	420	580	32	[NT]	[NT]
TRH >C_{16} - C_{34}	µg/L	100	Org-020	[NT]	51	170	250	38	[NT]	[NT]
TRH >C_{34} - C_{40}	µg/L	100	Org-020	[NT]	51	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-020	[NT]	51	111	135	20	[NT]	[NT]

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	337868-8
Date extracted	-			17/11/2023	7	17/11/2023	17/11/2023		17/11/2023	17/11/2023
Date analysed	-			17/11/2023	7	17/11/2023	17/11/2023		17/11/2023	17/11/2023
Naphthalene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	92	95
Acenaphthylene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	99	95
Fluorene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	98	103
Phenanthrene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	100	90
Anthracene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	108	95
Pyrene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	114	104
Benzo(a)anthracene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	84	74
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	96	78
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	<0.1	7	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	102	7	64	83	26	108	96

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	337868-26
Date extracted	-			[NT]	14	17/11/2023	17/11/2023		17/11/2023	17/11/2023
Date analysed	-			[NT]	14	17/11/2023	17/11/2023		17/11/2023	17/11/2023
Naphthalene	µg/L	0.1	Org-022/025	[NT]	14	<0.1	<0.1	0	115	101
Acenaphthylene	µg/L	0.1	Org-022/025	[NT]	14	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	[NT]	14	<0.1	<0.1	0	91	101
Fluorene	µg/L	0.1	Org-022/025	[NT]	14	<0.1	<0.1	0	102	106
Phenanthrene	µg/L	0.1	Org-022/025	[NT]	14	<0.1	<0.1	0	101	98
Anthracene	µg/L	0.1	Org-022/025	[NT]	14	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	[NT]	14	<0.1	<0.1	0	101	101
Pyrene	µg/L	0.1	Org-022/025	[NT]	14	<0.1	<0.1	0	100	110
Benzo(a)anthracene	µg/L	0.1	Org-022/025	[NT]	14	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	[NT]	14	<0.1	<0.1	0	97	83
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	[NT]	14	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	[NT]	14	<0.1	<0.1	0	119	94
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	[NT]	14	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	[NT]	14	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	[NT]	14	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	14	108	110	2	109	110

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	337868-32
Date extracted	-			[NT]	25	17/11/2023	17/11/2023		20/11/2023	20/11/2023
Date analysed	-			[NT]	25	17/11/2023	17/11/2023		20/11/2023	20/11/2023
Naphthalene	µg/L	0.1	Org-022/025	[NT]	25	<0.1	<0.1	0	87	100
Acenaphthylene	µg/L	0.1	Org-022/025	[NT]	25	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	[NT]	25	<0.1	<0.1	0	99	106
Fluorene	µg/L	0.1	Org-022/025	[NT]	25	<0.1	<0.1	0	98	106
Phenanthrene	µg/L	0.1	Org-022/025	[NT]	25	<0.1	<0.1	0	96	103
Anthracene	µg/L	0.1	Org-022/025	[NT]	25	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	[NT]	25	<0.1	<0.1	0	102	102
Pyrene	µg/L	0.1	Org-022/025	[NT]	25	<0.1	<0.1	0	101	102
Benzo(a)anthracene	µg/L	0.1	Org-022/025	[NT]	25	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	[NT]	25	<0.1	<0.1	0	82	85
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	[NT]	25	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	[NT]	25	<0.1	<0.1	0	94	93
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	[NT]	25	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	[NT]	25	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	[NT]	25	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	25	107	109	2	106	102

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W5	337868-52
Date extracted	-			[NT]	31	20/11/2023	20/11/2023		20/11/2023	20/11/2023
Date analysed	-			[NT]	31	20/11/2023	20/11/2023		20/11/2023	20/11/2023
Naphthalene	µg/L	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	102	65
Acenaphthylene	µg/L	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	106	70
Fluorene	µg/L	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	108	73
Phenanthrene	µg/L	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	105	72
Anthracene	µg/L	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	106	74
Pyrene	µg/L	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	120	84
Benzo(a)anthracene	µg/L	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	90	62
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	[NT]	31	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	93	63
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	31	118	116	2	123	75

QUALITY CONTROL: PAHs in Water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	42	20/11/2023	20/11/2023		[NT]	[NT]
Date analysed	-			[NT]	42	20/11/2023	20/11/2023		[NT]	[NT]
Naphthalene	µg/L	0.1	Org-022/025	[NT]	42	<0.1	<0.1	0	[NT]	[NT]
Acenaphthylene	µg/L	0.1	Org-022/025	[NT]	42	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	[NT]	42	<0.1	<0.1	0	[NT]	[NT]
Fluorene	µg/L	0.1	Org-022/025	[NT]	42	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	µg/L	0.1	Org-022/025	[NT]	42	<0.1	<0.1	0	[NT]	[NT]
Anthracene	µg/L	0.1	Org-022/025	[NT]	42	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	[NT]	42	<0.1	<0.1	0	[NT]	[NT]
Pyrene	µg/L	0.1	Org-022/025	[NT]	42	<0.1	<0.1	0	[NT]	[NT]
Benzo(a)anthracene	µg/L	0.1	Org-022/025	[NT]	42	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	[NT]	42	<0.1	<0.1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	[NT]	42	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	[NT]	42	<0.1	<0.1	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	[NT]	42	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	[NT]	42	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	[NT]	42	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	42	78	80	3	[NT]	[NT]

QUALITY CONTROL: PAHs in Water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	51	20/11/2023	20/11/2023		[NT]	[NT]
Date analysed	-			[NT]	51	20/11/2023	20/11/2023		[NT]	[NT]
Naphthalene	µg/L	0.1	Org-022/025	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Acenaphthylene	µg/L	0.1	Org-022/025	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Fluorene	µg/L	0.1	Org-022/025	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	µg/L	0.1	Org-022/025	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Anthracene	µg/L	0.1	Org-022/025	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Pyrene	µg/L	0.1	Org-022/025	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Benzo(a)anthracene	µg/L	0.1	Org-022/025	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	51	80	83	4	[NT]	[NT]

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	337868-8
Date extracted	-			17/11/2023	7	17/11/2023	17/11/2023		17/11/2023	17/11/2023
Date analysed	-			17/11/2023	7	17/11/2023	17/11/2023		17/11/2023	17/11/2023
alpha-BHC	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	100	88
HCB	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	100	85
gamma-BHC	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	99	98
delta-BHC	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	104	94
Heptachlor Epoxide	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	94	90
gamma-Chlordane	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	103	90
Dieldrin	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	106	102
Endrin	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	92	92
Endosulfan II	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	100	91
Endrin Aldehyde	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	129	131
Methoxychlor	µg/L	0.2	Org-022/025	<0.2	7	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	93	7	93	78	18	113	100

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	337868-26
Date extracted	-			[NT]	14	17/11/2023	17/11/2023		17/11/2023	17/11/2023
Date analysed	-			[NT]	14	17/11/2023	17/11/2023		17/11/2023	17/11/2023
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	14	<0.2	<0.2	0	94	90
HCB	µg/L	0.2	Org-022/025	[NT]	14	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	14	<0.2	<0.2	0	93	85
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	14	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	14	<0.2	<0.2	0	99	110
delta-BHC	µg/L	0.2	Org-022/025	[NT]	14	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	14	<0.2	<0.2	0	85	101
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	14	<0.2	<0.2	0	94	94
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	14	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	14	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	14	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	14	<0.2	<0.2	0	110	96
Dieldrin	µg/L	0.2	Org-022/025	[NT]	14	<0.2	<0.2	0	126	101
Endrin	µg/L	0.2	Org-022/025	[NT]	14	<0.2	<0.2	0	94	86
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	14	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	14	<0.2	<0.2	0	85	94
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	14	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	14	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	14	<0.2	<0.2	0	120	127
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	14	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	14	97	100	3	120	102

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	337868-32
Date extracted	-			[NT]	25	17/11/2023	17/11/2023		20/11/2023	20/11/2023
Date analysed	-			[NT]	25	17/11/2023	17/11/2023		20/11/2023	20/11/2023
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	25	<0.2	<0.2	0	109	99
HCB	µg/L	0.2	Org-022/025	[NT]	25	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	25	<0.2	<0.2	0	100	96
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	25	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	25	<0.2	<0.2	0	93	95
delta-BHC	µg/L	0.2	Org-022/025	[NT]	25	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	25	<0.2	<0.2	0	101	90
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	25	<0.2	<0.2	0	97	100
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	25	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	25	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	25	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	25	<0.2	<0.2	0	87	88
Dieldrin	µg/L	0.2	Org-022/025	[NT]	25	<0.2	<0.2	0	104	107
Endrin	µg/L	0.2	Org-022/025	[NT]	25	<0.2	<0.2	0	94	92
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	25	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	25	<0.2	<0.2	0	89	83
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	25	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	25	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	25	<0.2	<0.2	0	105	131
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	25	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	25	96	100	4	126	135

QUALITY CONTROL: Organochlorine Pesticides in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W5	337868-52
Date extracted	-			[NT]	31	20/11/2023	20/11/2023		20/11/2023	20/11/2023
Date analysed	-			[NT]	31	20/11/2023	20/11/2023		20/11/2023	20/11/2023
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	31	<0.2	<0.2	0	98	68
HCB	µg/L	0.2	Org-022/025	[NT]	31	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	31	<0.2	<0.2	0	101	69
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	31	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	31	<0.2	<0.2	0	102	70
delta-BHC	µg/L	0.2	Org-022/025	[NT]	31	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	31	<0.2	<0.2	0	109	62
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	31	<0.2	<0.2	0	106	74
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	31	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	31	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	31	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	31	<0.2	<0.2	0	116	79
Dieldrin	µg/L	0.2	Org-022/025	[NT]	31	<0.2	<0.2	0	132	92
Endrin	µg/L	0.2	Org-022/025	[NT]	31	<0.2	<0.2	0	101	72
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	31	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	31	<0.2	<0.2	0	88	61
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	31	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	31	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	31	<0.2	<0.2	0	131	113
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	31	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	31	119	121	2	129	82

QUALITY CONTROL: Organochlorine Pesticides in Water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	42	20/11/2023	20/11/2023		[NT]	[NT]
Date analysed	-			[NT]	42	20/11/2023	20/11/2023		[NT]	[NT]
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	42	<0.2	<0.2	0	[NT]	[NT]
HCB	µg/L	0.2	Org-022/025	[NT]	42	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	42	<0.2	<0.2	0	[NT]	[NT]
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	42	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	42	<0.2	<0.2	0	[NT]	[NT]
delta-BHC	µg/L	0.2	Org-022/025	[NT]	42	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	42	<0.2	<0.2	0	[NT]	[NT]
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	42	<0.2	<0.2	0	[NT]	[NT]
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	42	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	42	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	42	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	42	<0.2	<0.2	0	[NT]	[NT]
Dieldrin	µg/L	0.2	Org-022/025	[NT]	42	<0.2	<0.2	0	[NT]	[NT]
Endrin	µg/L	0.2	Org-022/025	[NT]	42	<0.2	<0.2	0	[NT]	[NT]
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	42	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	42	<0.2	<0.2	0	[NT]	[NT]
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	42	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	42	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	42	<0.2	<0.2	0	[NT]	[NT]
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	42	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	42	79	82	4	[NT]	[NT]

QUALITY CONTROL: Organochlorine Pesticides in Water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	51	20/11/2023	20/11/2023		[NT]	[NT]
Date analysed	-			[NT]	51	20/11/2023	20/11/2023		[NT]	[NT]
alpha-BHC	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
HCB	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
gamma-BHC	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Heptachlor	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
delta-BHC	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Aldrin	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Heptachlor Epoxide	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
gamma-Chlordane	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Dieldrin	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Endrin	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Endosulfan II	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
pp-DDD	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Endrin Aldehyde	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Methoxychlor	µg/L	0.2	Org-022/025	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	51	78	81	4	[NT]	[NT]

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	337868-8
Date extracted	-			17/11/2023	7	17/11/2023	17/11/2023		17/11/2023	17/11/2023
Date analysed	-			17/11/2023	7	17/11/2023	17/11/2023		17/11/2023	17/11/2023
Aroclor 1016	µg/L	2	Org-021/022/025	<2	7	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021/022/025	<2	7	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021/022/025	<2	7	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021/022/025	<2	7	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021/022/025	<2	7	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021/022/025	<2	7	<2	<2	0	94	90
Aroclor 1260	µg/L	2	Org-021/022/025	<2	7	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021/022/025	93	7	93	78	18	113	100

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	337868-26
Date extracted	-			[NT]	14	17/11/2023	17/11/2023		17/11/2023	17/11/2023
Date analysed	-			[NT]	14	17/11/2023	17/11/2023		17/11/2023	17/11/2023
Aroclor 1016	µg/L	2	Org-021/022/025	[NT]	14	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021/022/025	[NT]	14	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021/022/025	[NT]	14	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021/022/025	[NT]	14	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021/022/025	[NT]	14	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021/022/025	[NT]	14	<2	<2	0	102	94
Aroclor 1260	µg/L	2	Org-021/022/025	[NT]	14	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021/022/025	[NT]	14	97	100	3	120	102

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	337868-32
Date extracted	-			[NT]	25	17/11/2023	17/11/2023		20/11/2023	20/11/2023
Date analysed	-			[NT]	25	17/11/2023	17/11/2023		20/11/2023	20/11/2023
Aroclor 1016	µg/L	2	Org-021/022/025	[NT]	25	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021/022/025	[NT]	25	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021/022/025	[NT]	25	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021/022/025	[NT]	25	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021/022/025	[NT]	25	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021/022/025	[NT]	25	<2	<2	0	89	91
Aroclor 1260	µg/L	2	Org-021/022/025	[NT]	25	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021/022/025	[NT]	25	96	100	4	126	135

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W5	337868-52
Date extracted	-			[NT]	31	20/11/2023	20/11/2023		20/11/2023	20/11/2023
Date analysed	-			[NT]	31	20/11/2023	20/11/2023		20/11/2023	20/11/2023
Aroclor 1016	µg/L	2	Org-021/022/025	[NT]	31	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021/022/025	[NT]	31	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021/022/025	[NT]	31	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021/022/025	[NT]	31	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021/022/025	[NT]	31	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021/022/025	[NT]	31	<2	<2	0	120	79
Aroclor 1260	µg/L	2	Org-021/022/025	[NT]	31	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021/022/025	[NT]	31	119	121	2	129	82

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	42	20/11/2023	20/11/2023		[NT]	[NT]
Date analysed	-			[NT]	42	20/11/2023	20/11/2023		[NT]	[NT]
Aroclor 1016	µg/L	2	Org-021/022/025	[NT]	42	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021/022/025	[NT]	42	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021/022/025	[NT]	42	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021/022/025	[NT]	42	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021/022/025	[NT]	42	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021/022/025	[NT]	42	<2	<2	0	[NT]	[NT]
Aroclor 1260	µg/L	2	Org-021/022/025	[NT]	42	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021/022/025	[NT]	42	79	82	4	[NT]	[NT]

QUALITY CONTROL: PCBs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	51	20/11/2023	20/11/2023		[NT]	[NT]
Date analysed	-			[NT]	51	20/11/2023	20/11/2023		[NT]	[NT]
Aroclor 1016	µg/L	2	Org-021/022/025	[NT]	51	<2	<2	0	[NT]	[NT]
Aroclor 1221	µg/L	2	Org-021/022/025	[NT]	51	<2	<2	0	[NT]	[NT]
Aroclor 1232	µg/L	2	Org-021/022/025	[NT]	51	<2	<2	0	[NT]	[NT]
Aroclor 1242	µg/L	2	Org-021/022/025	[NT]	51	<2	<2	0	[NT]	[NT]
Aroclor 1248	µg/L	2	Org-021/022/025	[NT]	51	<2	<2	0	[NT]	[NT]
Aroclor 1254	µg/L	2	Org-021/022/025	[NT]	51	<2	<2	0	[NT]	[NT]
Aroclor 1260	µg/L	2	Org-021/022/025	[NT]	51	<2	<2	0	[NT]	[NT]
Surrogate TCMX	%		Org-021/022/025	[NT]	51	78	81	4	[NT]	[NT]

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	337868-12
Date prepared	-			17/11/2023	11	17/11/2023	17/11/2023		17/11/2023	17/11/2023
Date analysed	-			17/11/2023	11	17/11/2023	17/11/2023		17/11/2023	17/11/2023
Aluminium-Total	µg/L	10	Metals-022	<10	11	90	90	0	109	88
Arsenic-Total	µg/L	1	Metals-022	<1	11	1	1	0	94	93
Chromium-Total	µg/L	1	Metals-022	<1	11	<1	<1	0	92	117
Copper-Total	µg/L	1	Metals-022	<1	11	<1	<1	0	88	92
Iron-Total	µg/L	10	Metals-022	<10	11	210	210	0	90	#
Mercury-Total	µg/L	0.05	Metals-021	<0.05	11	<0.05	<0.05	0	107	83
Lead-Total	µg/L	1	Metals-022	<1	11	<1	<1	0	95	74
Selenium-Total	µg/L	1	Metals-022	<1	11	<1	<1	0	95	83
Zinc-Total	µg/L	1	Metals-022	<1	11	<1	2	67	93	81

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	337868-32
Date prepared	-			[NT]	21	17/11/2023	17/11/2023		17/11/2023	17/11/2023
Date analysed	-			[NT]	21	17/11/2023	17/11/2023		17/11/2023	17/11/2023
Aluminium-Total	µg/L	10	Metals-022	[NT]	21	40	30	29	89	83
Arsenic-Total	µg/L	1	Metals-022	[NT]	21	1	1	0	91	85
Chromium-Total	µg/L	1	Metals-022	[NT]	21	<1	<1	0	97	98
Copper-Total	µg/L	1	Metals-022	[NT]	21	<1	<1	0	89	80
Iron-Total	µg/L	10	Metals-022	[NT]	21	60	60	0	94	92
Mercury-Total	µg/L	0.05	Metals-021	[NT]	21	<0.05	<0.05	0	104	128
Lead-Total	µg/L	1	Metals-022	[NT]	21	<1	<1	0	92	80
Selenium-Total	µg/L	1	Metals-022	[NT]	21	<1	<1	0	89	71
Zinc-Total	µg/L	1	Metals-022	[NT]	21	<1	<1	0	97	85

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W4	337868-52
Date prepared	-			[NT]	31	17/11/2023	17/11/2023		17/11/2023	17/11/2023
Date analysed	-			[NT]	31	17/11/2023	17/11/2023		17/11/2023	17/11/2023
Aluminium-Total	µg/L	10	Metals-022	[NT]	31	50	40	22	86	#
Arsenic-Total	µg/L	1	Metals-022	[NT]	31	1	1	0	86	83
Chromium-Total	µg/L	1	Metals-022	[NT]	31	<1	<1	0	91	90
Copper-Total	µg/L	1	Metals-022	[NT]	31	<1	<1	0	86	82
Iron-Total	µg/L	10	Metals-022	[NT]	31	80	70	13	90	#
Mercury-Total	µg/L	0.05	Metals-021	[NT]	31	<0.05	<0.05	0	98	102
Lead-Total	µg/L	1	Metals-022	[NT]	31	<1	<1	0	88	80
Selenium-Total	µg/L	1	Metals-022	[NT]	31	<1	<1	0	86	82
Zinc-Total	µg/L	1	Metals-022	[NT]	31	2	<1	67	92	90

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	41	17/11/2023	17/11/2023		[NT]	[NT]
Date analysed	-			[NT]	41	17/11/2023	17/11/2023		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	41	3500	3200	9	[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	41	<1	<1	0	[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	41	3	3	0	[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	41	3	2	40	[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	41	5300	4800	10	[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	41	0.2	0.2	0	[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	41	5	5	0	[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	41	<1	<1	0	[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	41	11	10	10	[NT]	[NT]

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	51	17/11/2023	17/11/2023		[NT]	[NT]
Date analysed	-			[NT]	51	17/11/2023	17/11/2023		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	51	510	540	6	[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	51	<1	<1	0	[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	51	2	2	0	[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	51	2	2	0	[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	51	730	780	7	[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	51	0.06	0.06	0	[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	51	<1	<1	0	[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	51	<1	<1	0	[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	51	18	18	0	[NT]	[NT]

QUALITY CONTROL: All metals in water - total						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	60	17/11/2023	17/11/2023		[NT]	[NT]
Date analysed	-			[NT]	60	17/11/2023	17/11/2023		[NT]	[NT]
Aluminium-Total	µg/L	10	Metals-022	[NT]	60	90	100	11	[NT]	[NT]
Arsenic-Total	µg/L	1	Metals-022	[NT]	60	<1	<1	0	[NT]	[NT]
Chromium-Total	µg/L	1	Metals-022	[NT]	60	<1	<1	0	[NT]	[NT]
Copper-Total	µg/L	1	Metals-022	[NT]	60	3	3	0	[NT]	[NT]
Iron-Total	µg/L	10	Metals-022	[NT]	60	80	80	0	[NT]	[NT]
Mercury-Total	µg/L	0.05	Metals-021	[NT]	60	<0.05	<0.05	0	[NT]	[NT]
Lead-Total	µg/L	1	Metals-022	[NT]	60	<1	<1	0	[NT]	[NT]
Selenium-Total	µg/L	1	Metals-022	[NT]	60	<1	<1	0	[NT]	[NT]
Zinc-Total	µg/L	1	Metals-022	[NT]	60	15	14	7	[NT]	[NT]

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	337868-3
Date prepared	-			17/11/2023	1	17/11/2023	17/11/2023		17/11/2023	17/11/2023
Date analysed	-			17/11/2023	1	17/11/2023	17/11/2023		17/11/2023	17/11/2023
Phosphorus - Total	mg/L	0.05	Metals-020	<0.05	1	0.1	0.1	0	108	106

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	337868-23
Date prepared	-			[NT]	11	17/11/2023	17/11/2023		17/11/2023	17/11/2023
Date analysed	-			[NT]	11	17/11/2023	17/11/2023		17/11/2023	17/11/2023
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	11	<0.05	<0.05	0	115	118

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	337868-43
Date prepared	-			[NT]	21	17/11/2023	17/11/2023		17/11/2023	17/11/2023
Date analysed	-			[NT]	21	17/11/2023	17/11/2023		17/11/2023	17/11/2023
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	21	<0.05	<0.05	0	115	120

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	31	17/11/2023	17/11/2023		[NT]	[NT]
Date analysed	-			[NT]	31	17/11/2023	17/11/2023		[NT]	[NT]
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	31	<0.05	<0.05	0	[NT]	[NT]

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	41	17/11/2023	17/11/2023		[NT]	[NT]
Date analysed	-			[NT]	41	17/11/2023	17/11/2023		[NT]	[NT]
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	41	0.1	0.09	11	[NT]	[NT]

QUALITY CONTROL: Metals in Waters - Acid extractable						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	51	17/11/2023	17/11/2023		[NT]	[NT]
Date analysed	-			[NT]	51	17/11/2023	17/11/2023		[NT]	[NT]
Phosphorus - Total	mg/L	0.05	Metals-020	[NT]	51	<0.05	<0.05	0	[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	337868-2
Date prepared	-			15/11/2023	1	15/11/2023	15/11/2023		15/11/2023	15/11/2023
Date analysed	-			15/11/2023	1	15/11/2023	15/11/2023		15/11/2023	15/11/2023
Total Suspended Solids	mg/L	5	Inorg-019	<5	7	22	26	17	96	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	<0.1	1	0.1	0.1	0	97	81
Phosphate as P in water	mg/L	0.005	Inorg-060	<0.005	1	<0.005	<0.005	0	96	103
Chlorophyll a	mg/m^3	1	INORG-119	<1	7	61	[NT]		114	[NT]
pH	pH Units		Inorg-001	[NT]	[NT]	[NT]	[NT]	[NT]	100	[NT]
Electrical Conductivity	µS/cm	1	Inorg-002	<1	[NT]	[NT]	[NT]	[NT]	100	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	337868-22
Date prepared	-			[NT]	7	15/11/2023	15/11/2023		15/11/2023	15/11/2023
Date analysed	-			[NT]	7	15/11/2023	15/11/2023		15/11/2023	15/11/2023
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	11	18	[NT]		100	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	7	35	[NT]		96	73
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	7	1.7	[NT]		96	101
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	11	1	[NT]		115	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	337868-42
Date prepared	-			[NT]	11	15/11/2023	15/11/2023		15/11/2023	15/11/2023
Date analysed	-			[NT]	11	15/11/2023	15/11/2023		15/11/2023	15/11/2023
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	17	8	13	48	102	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	11	0.1	<0.1	0	106	89
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	11	0.008	0.008	0	93	88
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	17	<1	[NT]		106	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	17	15/11/2023	15/11/2023		[NT]	[NT]
Date analysed	-			[NT]	17	15/11/2023	15/11/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	17	<0.1	[NT]		[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	17	0.009	[NT]		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	21	25	[NT]		[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	21	2	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	21	15/11/2023	15/11/2023		[NT]	[NT]
Date analysed	-			[NT]	21	15/11/2023	15/11/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	21	<0.1	<0.1	0	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	21	0.006	0.006	0	[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	27	14	24	53	[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	27	<1	<1	0	[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	27	15/11/2023	15/11/2023		[NT]	[NT]
Date analysed	-			[NT]	27	15/11/2023	15/11/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	27	0.1	[NT]		[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	27	0.007	[NT]		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	31	22	[NT]		[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	31	<1	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	31	15/11/2023	15/11/2023		[NT]	[NT]
Date analysed	-			[NT]	31	15/11/2023	15/11/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	31	0.1	0.1	0	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	31	0.007	0.006	15	[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	41	81	75	8	[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	41	3	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	41	15/11/2023	15/11/2023		[NT]	[NT]
Date analysed	-			[NT]	41	15/11/2023	15/11/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	41	1.6	1.6	0	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	41	0.02	0.02	0	[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	47	22	13	51	[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	47	3	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	47	15/11/2023	15/11/2023		[NT]	[NT]
Date analysed	-			[NT]	47	15/11/2023	15/11/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	47	1.1	[NT]		[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	47	<0.005	[NT]		[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	51	6	[NT]		[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	51	<1	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	51	15/11/2023	15/11/2023		[NT]	[NT]
Date analysed	-			[NT]	51	15/11/2023	15/11/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	51	1.6	1.6	0	[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	51	<0.005	<0.005	0	[NT]	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	[NT]	59	39	40	3	[NT]	[NT]
Chlorophyll a	mg/m^3	1	INORG-119	[NT]	59	9	[NT]		[NT]	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	59	15/11/2023	15/11/2023		[NT]	[NT]
Date analysed	-			[NT]	59	15/11/2023	15/11/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	59	0.2	[NT]		[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	59	0.02	[NT]		[NT]	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

The recommended maximums for analytes in urine are taken from “2018 TLVs and BEIs”, as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016.

Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Where matrix spike recoveries fall below the lower limit of the acceptance criteria (e.g. for non-labile or standard Organics <60%), positive result(s) in the parent sample will subsequently have a higher than typical estimated uncertainty (MU estimates supplied on request) and in these circumstances the sample result is likely biased significantly low.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Report Comments

8 Metals in Waters - total - The PQL for #19,20 has been raised 2 times due to suppression of the internal standard, which required the samples to be diluted.
This is likely due to the high level of salts in the sample

Total metals: no unfiltered, preserved sample was received for #12, 32 therefore analysis was conducted from the unpreserved sample bottle.
Note: there is a possibility some elements may be underestimated.

Micro was analysed by Sonic report #W2326857,2326865,2326864,2326856,2326855,2326854,2326862,2326863,2326861,2326860,2326859.

< = less than or no growth detected of the target bacteria. > = Greater than.

A= Approximate.

All metals in water - total - # Percent recovery is not applicable due to the high concentration of the element/s in the sample/s. However an acceptable recovery was obtained for the LCS.

Lab Document Event 12

Envirolab Services Pty Ltd
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12 Ashley St Chatswood NSW 2067
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SAMPLE RECEIPT ADVICE

Client Details

Client	Martens & Associates Pty Ltd
Attention	Trystan Richards

Sample Login Details

Your reference	P1203365 – Water Sampling, West Culburra, NSW
Envirolab Reference	337868
Date Sample Received	15/11/2023
Date Instructions Received	15/11/2023
Date Results Expected to be Reported	22/11/2023

Sample Condition

Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	60 Water
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	2
Cooling Method	Ice
Sampling Date Provided	YES

Comments

#57-59 extra sample received.

Please direct any queries to:

Aileen Hie	Jacinta Hurst
Phone: 02 9910 6200	**Phone: 02 9910 6200**
Fax: 02 9910 6201	**Fax: 02 9910 6201**
Email: ahie@envirolab.com.au	**Email: jhurst@envirolab.com.au**

Analysis Underway, details on the following page:

Envirolab Services Pty Ltd
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Sample ID	vTRH in Water (C6-C9) NEPM	svTRH (C10-C40) in Water	PAHs in Water	Organochlorine Pesticides in Water	PCBs in Water	All metals in water - total	Metals in Waters -Acid extractable	Total Suspended Solids	Total Nitrogen in water	Phosphate as P in water	Chlorophyll a	pH	Electrical Conductivity	Microbiologocal Testing
3365/GW01							✓		✓	✓				✓
3365/GW02							✓		✓	✓				✓
3365/GW03							✓		✓	✓				✓
3365/GW04							✓		✓	✓				✓
3365/GW06							✓		✓	✓				✓
3365/GW07							✓		✓	✓				✓
3365/SW101	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW102	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW201 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW201 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW202 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW202 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW203 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW203 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW205 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW205 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW206 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW206 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW207 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW207 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW208 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW208 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW209 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW209 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW210 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW210 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW211 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW211 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW212 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW212 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW213 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW213 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓

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Sample ID	vTRH in Water (C6-C9) NEPM	svTRH (C10-C40) in Water	PAHs in Water	Organochlorine Pesticides in Water	PCBs in Water	All metals in water - total	Metals in Waters -Acid extractable	Total Suspended Solids	Total Nitrogen in water	Phosphate as P in water	Chlorophyll a	pH	Electrical Conductivity	Microbiologocal Testing
3365/SW214 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW214 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW215 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW215 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW216 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW216 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW217 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW217 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW302 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW302 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW303 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW303 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW304 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW304 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW305 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW305 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW306 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW306 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW307 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW307 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/DUP01						✓								
3365/DUP02						✓								
3365/DUP03						✓								
3365/GW DUP01												✓	✓	
3365/SW103	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW204 W/1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/SW204 W/2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
3365/DUP04						✓								

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

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Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.
Requests for longer term sample storage must be received in writing.
Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.
TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

updated COC received 15/11/23 @ 2013.

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SAMPLE ANALYSIS CHAIN OF CUSTODY FORM

WEST CULBURRA – ENVIROLAB QUOTATION – 22SY375_B0												
Name	P1203365 – Water Sampling, West Culburra, NSW											
Martens Contact Officer	Trystan Richards					**Contact Email**	trichards@martens.com.au					
Sampling and Shipping	**Sample Date**	13.11.2023 – 15.11.2023	**Dispatch Date**		15.11.2023	**Turnaround Time**			Standard			
	Our Reference	P1203365COC33V01				**Shipping Method (X)**	**Hand**	**X**	**Post**		**Courier**	
	On Ice (X)	**X**	**No Ice (X)**		**Other (X)**							
Laboratory												
Name	Envirolab Services P/L											
Sample Delivery Address	12 Ashley St, Chatswood											
Delivery Contact	**Name**	Sample Receipt	**Phone**	02 9910 6200	**Fax**		**Email**	samplereceipt@envirolabservices.com.au				
Please Send Report By (X)	**Post**		**Fax**		**Email**	**X**	**Reporting Email Address**	trichards@martens.com.au and CC ANorris@martens.com.au				

Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN. TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
1 3365/GW201						X	
2 3365/GW202						X	
3 3365/GW203						X	
4 3365/GW204						X	
5 3365/GW206						X	
6 3365/GW207						X	
7 3365/SW101	X	X	X	X			
8 3365/SW102	X	X	X	X			
9 3365/SW103	X	X	X	X			

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ABN 85 070 240 890 ACN 070 240 890

SOIL ANALYSIS CHAIN OF CUSTODY

Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN. TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
9 3365/SW201 W/1	X	X	X	X			
10 3365/SW201 W/2	X	X	X	X			
11 3365/SW202 W/1	X	X	X	X			
12 3365/SW202 W/2	X	X	X	X			
13 3365/SW203 W/1	X	X	X	X			
14 3365/SW203 W/2	X	X	X	X			
58 3365/SW204 W/1	X	X	X	X			
59 3365/SW204 W/2	X	X	X	X			
15 3365/SW205 W/1	X	X	X	X			
16 3365/SW205 W/1	X	X	X	X			
17 3365/SW206 W/1	X	X	X	X			
18 3365/SW206 W/2	X	X	X	X			
19 3365/SW207 W/1	X	X	X	X			
20 3365/SW207 W/2	X	X	X	X			
21 3365/SW208 W/1	X	X	X	X			
22 3365/SW208 W/2	X	X	X	X			
23 3365/SW209 W/1	X	X	X	X			
24 3365/SW209 W/2	X	X	X	X			
25 3365/SW210 W/1	X	X	X	X			
26 3365/SW210 W/2	X	X	X	X			
27 3365/SW211 W/1	X	X	X	X			
28 3365/SW211 W/2	X	X	X	X			
29 3365/SW212 W/1	X	X	X	X			
30 3365/SW212 W/2	X	X	X	X			
31 3365/SW213 W/1	X	X	X	X			
32 3365/SW213 W/2	X	X	X	X			
33 3365/SW214 W/1	X	X	X	X			
34 3365/SW214 W/2	X	X	X	X			
35 3365/SW215 W/1	X	X	X	X			
36 3365/SW215 W/2	X	X	X	X			

SOIL ANALYSIS CHAIN OF CUSTODY

Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN, TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
37 3365/SW216 W/1	X	X	X	X			
38 3365/SW216 W/2	X	X	X	X			
39 3365/SW217 W/1	X	X	X	X			
40 3365/SW217 W/2	X	X	X	X			
41 3365/SW302 W/1	X	X	X	X			
42 3365/SW302 W/2	X	X	X	X			
43 3365/SW303 W/1	X	X	X	X			
~~44~~ 3365/SW303 W/2	X	X	X	X			
45 3365/SW304 W/1	X	X	X	X			
46 3365/SW304 W/2	X	X	X	X			
47 3365/SW305 W/1	X	X	X	X			
48 3365/SW305 W/2	X	X	X	X			
~~FA~~ 3365/SW306 W/2	X	X	X	X			
49 50 3365/SW306 W/1	X	X	X	X			
50 3365/SW306 W/2	X	X	X	X			
51 3365/SW307 W/1	X	X	X	X			
52 3365/SW307 W/2	X	X	X	X			
53 3365/DUP01	X						
54 3365/DUP02	X						
55 3365/DUP03	X						
60 3365/DUP04	X						
56 3365/GW DUP01					X		

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1 of 3

SAMPLE ANALYSIS CHAIN OF CUSTODY FORM

WEST CULBURRA – ENVIROLAB QUOTATION – 22SY375_B0												
Name	P1203365 – Water Sampling, West Culburra, NSW											
Martens Contact Officer	Trystan Richards					**Contact Email**	trichards@martens.com.au					
Sampling and Shipping	**Sample Date**	18.09.2023 – 20.09.2023	**Dispatch Date**		21.09.2023	**Turnaround Time**			Standard			
	Our Reference	P1203365COC31V01				**Shipping Method (X)**	**Hand**	**X**	**Post**		**Courier**	
	On Ice (X)	**X**	**No Ice (X)**		**Other (X)**							
Laboratory												
Name	Envirolab Services P/L											
Sample Delivery Address	12 Ashley St, Chatswood											
Delivery Contact	**Name**	Sample Receipt	**Phone**	02 9910 6200	**Fax**		**Email**	samplereceipt@envirolabservices.com.au				
Please Send Report By (X)	**Post**		**Fax**		**Email**	**X**	**Reporting Email Address**	trichards@martens.com.au and CC_ ANorris@martens.com.au				

	Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN. TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
1	3365/GW01						X	
2	3365/GW02						X	
3	3365/GW03						X	
4	3365/GW04						X	
5	3365/GW06						X	
6	3365/GW07						X	
							X	
7	3365/SW101	X	X	X	X			
8	3365/SW102	X	X	X	X			

ENVIROLAB

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200

Job No: 337768
Date Received: 15/11/23
Time Received: 1110
Received By: JN
Temp: Cool/Ambient
Cooling: Ice/Icepack
Security: Intact/Broken/None

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MARTENS & ASSOCIATES P/L
ABN 85 070 240 890 ACN 070 240 890

SOIL ANALYSIS CHAIN OF CUSTODY

Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN. TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
9 3365/SW201 W/1	X	X	X	X			
10 3365/SW201 W/2	X	X	X	X			
11 3365/SW202 W/1	X	X	X	X			
12 3365/SW202 W/2	X	X	X	X			
13 3365/SW203 W/1	X	X	X	X			
14 3365/SW203 W/2	X	X	X	X			
15 3365/SW205 W/1	X	X	X	X			
16 3365/SW205 W/2 JN	X	X	X	X			
17 3365/SW206 W/1	X	X	X	X			
18 3365/SW206 W/2	X	X	X	X			
19 3365/SW207 W/1	X	X	X	X			
20 3365/SW207 W/2	X	X	X	X			
21 3365/SW208 W/1	X	X	X	X			
22 3365/SW208 W/2	X	X	X	X			
23 3365/SW209 W/1	X	X	X	X			
24 3365/SW209 W/2	X	X	X	X			
25 3365/SW210 W/1	X	X	X	X			
26 3365/SW210 W/2	X	X	X	X			
27 3365/SW211 W/1	X	X	X	X			
28 3365/SW211 W/2	X	X	X	X			
29 3365/SW212 W/1	X	X	X	X			
30 3365/SW212 W/2	X	X	X	X			
31 3365/SW213 W/1	X	X	X	X			
32 3365/SW213 W/2	X	X	X	X			
33 3365/SW214 W/1	X	X	X	X			
34 3365/SW214 W/2	X	X	X	X			
35 3365/SW215 W/1	X	X	X	X			
36 3365/SW215 W/2	X	X	X	X			
37 3365/SW216 W/1	X	X	X	X			
38 3365/SW216 W/2	X	X	X	X			

337868
15/11/23, 1410

SOIL ANALYSIS CHAIN OF CUSTODY

Sample ID	Metals (Al, As, Cr, Cu, Fe, Hg, Pb, Se and Zn)	PAH, TRH, PCB	Faecal Coliforms, E. Coli,	TSS, TN. TP, orthophosphate, chlorophyll a, OCP	pH and EC	Faecal Coliforms, TN, orthophosphate, TP	
39 3365/SW217 W/1	X	X	X	X			
40 3365/SW217 W/2	X	X	X	X			
41 3365/SW302 W/1	X	X	X	X			
42 3365/SW302 W/2	X	X	X	X			
43 3365/SW303 W/1	X	X	X	X			
44 3365/SW303 W/2	X	X	X	X			
45 3365/SW304 W/1	X	X	X	X			
46 3365/SW304 W/2	X	X	X	X			
47 3365/SW305 W/1	X	X	X	X			
48 3365/SW305 W/2	X	X	X	X			
~~3365/SW306 W/2~~	X	X	X	X			
49 3365/SW306 W/1	X	X	X	X			
50 3365/SW306 W/2	X	X	X	X			
51 3365/SW307 W/1	X	X	X	X			
52 3365/SW307 W/2	X	X	X	X			
53 3365/DUP01	X						
54 3365/DUP02	X						
55 3365/DUP03	X						
60 ~~NR~~ 3365/DUP04	X						
56 3365/GW DUP01					X		

57 SW103 (extra sample) JN

58 SW204 W1 (extra sample) JN

59 SW204 W2 (extra sample) JN

337868
15/11/23, 1410

Field Sheet Event 12

WATER SAMPLING FORM - Surface Water

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PROJECT INFORMATION

PROJECT NUMBER: 3365

CLIENT: Sealark Pty Ltd

SITE LOCATION: Culburra

MONTHLY / BIMONTHLY: Bimonthly

WET WEATHER (Y/N): N

DATE: 13 - 15 / 11 / 2023

SAMPLED BY: TR + BTM

ROLE: sampler / engineer

SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	Salinity (ppt)	EC (uS/cm)	TDS (g/L)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
101	15th 9:41	E: 294417.7457 N: 6131862.805	WQ Meter	17.5	7.39	-60.9	24.4	0.34	702	455	Translucent, pale brown, no sheen, no odour, Y sample collected
102	13th 15:00	E: 294133.1279 N: 6132132.344	WQ Meter	18.5	4.97	215.3	54.1	0.07	155.9	101.40	Translucent, no sheen, no odour, Y sample collected
103	14th 14:20	E: 294551.5727 N: 6132544.192	WQ Meter	21.7	6.98	59.6	75.0	0.05	103.7	67.60	Translucent, no sheen, no odour, Y sample collected, DUP04
301	13th 14:50	E: 293965.373 N: 6132268.998									DRY, N sample collected
302	13th 14:14	E: 293805.1577 N: 6132989.967	WQ Meter	20.3	5.11	241.7	34.3	0.06	125.8	82.55	Translucent, brown, no sheen, no odour, Y sample collected
303	13th 14:50	E: 294968.1325 N: 6131646.043	WQ Meter	26	7.76	137.4	98	44.39	65494	42575	Translucent, no odour, organic sheen, high amounts of algae, Y sample collected
304	13th 16:30	E: 293592.1655 N: 6131495.252	WQ Meter	17.8	5.57	7.2	33.0	0.48	977	637.00	Translucent, slight sheen, no odour, sampled 50m east, Y sample collected
305	13th 15:20	E: 293972.9125 N: 6131247.39	WQ Meter	24.0	7.43	164.3	100.0	32.86	50112	32584.5	Translucent, organic sheen, no odour, Y sample collected
306	13th 15:40	E: 294344.2352 N: 6130631.032	WQ Meter	28.6	7.87	27.8	79.8	42.21	62770	40820	Translucent, no sheen, no odour, Y sample collected
307	14th 13:10	E: 292325.5219 N: 6131083.405	WQ Meter	18.1	7.65	38.9	65.8	0.24	492.8	308.76	Translucent brown, no sheen, no odour, Y sample collected, DUP03
308	14th 13:30	E: 293716.568 N: 6130800.672									DRY, N sample collected

Sample bottle codes: P-plastic, G - glass, V - vial

Preservation Codes - U - unpreserved, S -sulfuric acid, N - nitric acid, H - hydrochloric acid

WATER SAMPLING FORM - Estuary Surface Water

martens consulting engineers since 1989

PROJECT INFORMATION

PROJECT NUMBER: 3365

CLIENT: Sealark Pty Ltd

SITE LOCATION: Culburra

MONTHLY / BIMONTHLY: Bimonthly (Event 12)

WET WEATHER (Y/N): N

DATE: 14 / 11 / 2023

SAMPLED BY: TR + BTM

ROLE: sampler / engineer

SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Depth	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (% Sat)	Salinity (ppt)	EC (uS/cm)	TDS (g/L)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
201	10:01	E: 291599.8406	WQ Meter	Shallow (S)	20.5	7.65	91.4	87.9	39.7	59514	38645	No sheen, no odour, Y sample collected
		N: 6132279.365		Deep (D)	20.5	7.65	91.2	87.6	39.88	59424	38610	
202	9:56	E: 292093.6809	WQ Meter	S	20.0	7.77	89.0	93.3	39.74	59303	38545	No sheen, no odour, Y sample collected
		N: 6132720.429		D	19.8	7.78	88.6	94.0	39.82	59413	38610	
203	9:49	E: 292802.3981	WQ Meter	S	19.9	7.78	88.7	90.1	39.97	59604	38740	No sheen, no odour, Y sample collected
		N: 6133121.909		D	19.9	7.79	88.1	91.2	39.92	59538	38575	
204	10:31	E: 293266.0802	WQ Meter	S	20.0	7.57	72.8	69.5	40.63	60479	39325	Organic sheen, no odour, Y sample collected
		N: 6132876.874		D								
205	9:27	E: 293605.3597	WQ Meter	S	19.3	7.69	77.0	87.0	39.83	59432	38610	Organic sheen, no odour, Y sample collected
		N: 6133080.442		D	19.3	7.70	75.7	86.5	40.04	59702	38805	
206	9:22	E: 293650.597	WQ Meter	S	19.1	7.91	73.7	90.1	40.33	60088	39065	Organic sheen, no odour, Y sample collected
		N: 6133344.326		D	19.1	7.91	73.5	90.3	40.39	60165	39130	
207	9:16	E: 293920.1357	WQ Meter	S	19.3	7.94	73.6	91.6	40.22	59940	38935	DUP02, no sheen, no odour, Y sample collected
		N: 6133182.226		D	19.3	7.95	73.3	92.3	40.24	59964	39000	
208	9:34	E: 293893.7473	WQ Meter	S	18.7	7.89	76.9	96.3	30.85	47328	30784	No sheen, no odour, Y sample collected
		N: 6133355.635		D	18.7	7.89	76.5	95.9	40.84	60763	30520	

Sample bottle codes: P-plastic, G - glass, V - vial

Preservation Codes - U - unpreserved, S -sulfuric acid, N - nitric acid, H - hydrochloric acid

WATER SAMPLING FORM - Estuary Surface Water

0

PROJECT INFORMATION

PROJECT NUMBER: 3365 | MONTHLY / BIMONTHLY: Bimonthly (Event 12) | SAMPLED BY: TR + BTM

CLIENT: Sealark Pty Ltd | WET WEATHER (Y/N): N | ROLE: sampler / engineer

SITE LOCATION: Culburra | DATE: 13 – 15 / 11 / 2023 | SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Depth	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (% Sat)	Salinity (ppt)	EC (uS/cm)	TDS (g/L)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
209	9:11	E: 294229.2571		Shallow (S)	20.1	7.91	72.3	88.6	39.58	59097	38415	No sheen, no odour, Y sample collected
		N: 6133216.154	WQ Meter	Deep (D)	19.6	7.86	71.3	82.4	39.95	59580	38740	
210	9:00	E: 294591.1553		S	20.0	7.95	71.4	88.3	39.61	59128	38415	No sheen, no odour, Y sample collected
		N: 6132850.486	WQ Meter	D	20.0	7.94	71.6	88.0	39.66	59202	38480	
211	8:55	E: 294994.521		S	20.7	7.93	72.4	87.3	20.54	32798	21320	No sheen, no odour, Y sample collected
		N: 6132922.111	WQ Meter	D	20.0	7.89	71.4	87.6	39.74	69302	39645	
212	9:05	E: 294583.6157		S	19.4	7.97	72.5	93.4	35.06	53055	34489	No sheen, no odour, Y sample collected
		N: 6133133.219	WQ Meter	D	19.4	7.93	71.9	92.5	39.9	59520	38675	
213	8:43	E: 294847.4998		S	19.5	8.04	65.4	92.4	37.45	56267	36595	DUP01, no sheen, no odour, Y sample collected
		N: 6133472.498	WQ Meter	D	19.5	8.04	64.7	91.8	39.90	59511	38675	
214	8:48	E: 294994.521		S	19.5	7.88	66.2	80.6	39.82	59410	38610	Organic sheen, no odour, Y sample collected
		N: 6133970.108	WQ Meter	D	19.6	7.88	65.7	81.8	39.77	59351	38610	
215	9:41	E: 293950.2939		S	18.8	7.83	77.9	95.1	40.66	60529	39325	No sheen, no odour, Y sample collected
		N: 6133668.526	WQ Meter	D	18.7	7.88	77.0	96.9	40.98	60940	39585	
216	8:19	E: 293079.4764		S	18.2	5.02	267.9	100.7	39.86	59605	33740	No sheen, no odour, Y sample collected
		N: 6134471.488	WQ Meter	D	18.2	5.05	266.6	100.7	39.96	69608	38740	
217	8:26	E: 293520.5398		S	18.2	8.15	56.1	97.4	41.25	61810	38845	No sheen, no odour, Y sample collected
		N: 6134963.443	WQ Meter	D	18.2	8.16	54.7	96.6	41.27	61332	38945	

Sample bottle codes: P-plastic, G - glass, V - vial

Preservation Codes - U - unpreserved, S -sulfuric acid, N - nitric acid, H - hydrochloric acid

WQ calibration certificate Event 12

Multi Parameter Water Meter

Instrument YSI Quatro Pro Plus
Serial No. 11k101260

Air-Met Scientific Pty Ltd
1300 137 067

Item	Test	Pass	Comments
Battery	Charge Condition	✓	
	Fuses	✓	
	Capacity	✓	
Switch/keypad	Operation	✓	
Display	Intensity	✓	
	Operation (segments)	✓	
Grill Filter	Condition	✓	
	Seal	✓	
PCB	Condition	✓	
Connectors	Condition	✓	
Sensor	1. pH	✓	
	2. mV	✓	
	3. EC	✓	
	4. D.O	✓	
	5. Temp	✓	
Alarms	Beeper	✓	
	Settings	✓	
Software	Version	✓	
Data logger	Operation	✓	
Download	Operation	✓	
Other tests:			

Certificate of Calibration

This is to certify that the above instrument has been calibrated to the following specifications:

Sensor	Serial no	Standard Solutions	Certified	Solution Bottle Number	Instrument Reading
2. pH 7.00		pH 7.00		406263	pH 7.00
3. pH 4.00		pH 4.00		414101	pH 4.02
4. mV		235.82 mV		A405006/B398193	235.8mV
5. EC		2760 mS		406852	2757mS
6. D.O		0.0%		407802	-0.1%
7. Temp		21.9 C		MultiTherm	21.9 C

Calibrated by: **Samuel Tanner**

Calibration date: **09/11/2023**

Next calibration due: **10/12/2023**

Appendix AA – Summary All Event Data

Table 71: Surface water - laboratory data all events

			TRH					Biological			Halogenated Benzenes	Inorganics			
			C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)
			µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L
EQL			10	50	100	100	50	1	1	0.001	0.2	0.1	0.05	0.005	5
Location Code	**Sample Code**	**Date**													
SW301	317305-45	22 Feb 2023	<10	<50	<100	<100	<50	13,000.0	13,000.0	<0.001	<0.2	0.6	<0.05	<0.005	6
SW301	317305-46	22 Feb 2023	<10	<50	<100	<100	<50	2,200.0	2,200.0	0.002	<0.2	0.6	<0.05	<0.005	20
SW301	321448-45	17 Apr 2023	<10	<50	<100	<100	<50	880	880	0.01	<0.2	0.3	0.05	<0.005	7
SW301	321448-46	17 Apr 2023	<10	110	120	<100	230	3,600.0	3,600.0	0.01	<0.2	0.4	0.1	<0.005	340
SW301	322245-45	01 May 2023	<100	<50	<100	<100	<50	400 A	400 A	<0.005	<0.2	1.2	<0.05	<0.005	10
SW301	322245-46	01 May 2023	<100	<50	<100	<100	<50	1,000 A	1,000 A	<0.005	<0.2	1.1	<0.05	<0.005	21
SW302	317305-47	22 Feb 2023	<10	<50	<100	<100	<50	100	100	0.001	<0.2	0.6	<0.05	<0.005	130
SW302	317305-48	22 Feb 2023	<10	<50	<100	<100	<50	100	100	0.002	<0.2	0.6	<0.05	<0.005	100
SW302	321448-47	17 Apr 2023	<10	<50	<100	<100	<50	5,300.0	5,300.0	0.001	<0.2	0.7	<0.05	<0.005	17
SW302	321448-48	17 Apr 2023	<10	<50	<100	<100	<50	3,900.0	3,900.0	<0.001	<0.2	0.5	<0.05	<0.005	12
SW302	322245-47	01 May 2023	<10	<50	<100	<100	<50	910 A	910 A	<0.005	<0.2	1.1	<0.05	<0.005	12
SW302	322245-48	01 May 2023	<10	<50	<100	<100	<50	8,000 A	8,000 A	<0.005	<0.2	1.6	<0.05	<0.005	56
SW302	326273-43	19 Jun 2023	<10	<50	<100	<100	<50	<100	<100	0.001	<0.2	1.0	<0.1	<0.005	12
SW302	326273-44	19 Jun 2023	<10	<50	<100	<100	<50	<100	<100	<0.001	<0.2	0.8	<0.1	<0.005	18
SW302	333594-41	19 Sep 2023	<10	270	<100	<100	270	<1,000	<1,000	0.11	<0.2	1.2	0.07	<0.005	12
SW302	333594-42	19 Sep 2023	<10	180	120	<100	300	<1,000	<1,000	0.11	<0.2	1.4	0.1	<0.005	13
SW302	337868-41	13 Nov 2023	<10	260	220	<100	480	<18	<18	0.003	<0.2	1.6	0.1	0.02	81
SW302	337868-42	13 Nov 2023	<10	160	<100	<100	160	<18	<18	<0.001	<0.2	1.5	0.1	0.02	35
SW303	312763-41	09 Dec 2022	<10	<50	<100	<100	<50	1,000 NBO	1,000 NBO	0.01	<0.2	0.8	0.2	<0.005	360
SW303	312763-42	09 Dec 2022	<10	<50	<100	<100	<50	<1,000.0	<1,000.0	0.02	<0.2	0.7	0.2	<0.005	90
SW303	317305-49	20 Feb 2023	<10	<50	<100	<100	<50	1,000 &>100	1,000 &>100	0.007	<0.2	1.2	<0.05	<0.005	97
SW303	317305-50	20 Feb 2023	<10	<50	<100	<100	<50	1,000 &>100	1,000 &>100	0.002	<0.2	1.3	<0.05	<0.005	28
SW303	321448-49	17 Apr 2023	<10	<50	<100	<100	<50	200	200	0.005	<0.2	0.8	0.06	<0.005	15
SW303	321448-50	17 Apr 2023	<10	<50	<100	<100	<50	10^ A	10^ A	0.008	<0.2	0.8	0.07	<0.005	16
SW303	322245-49	01 May 2023	<10	<50	<100	<100	<50	300 A	300 A	<0.005	<0.2	0.7	<0.05	0.01	15
SW303	322245-50	01 May 2023	<10	<50	<100	<100	<50	600 A	600 A	<0.005	<0.2	0.7	<0.05	<0.005	43
SW303	326273-45	21 Jun 2023	<10	<50	<100	<100	<50	<10	<10	0.007	<0.2	0.5	<0.1	<0.005	35
SW303	326273-46	21 Jun 2023	<10	<50	<100	<100	<50	10^A	10^A	0.002	<0.2	0.5	<0.1	<0.005	13
SW303	333594-43	19 Sep 2023	<10	62	<100	<100	60	<10	<10	0.002	<0.2	1.1	<0.05	<0.005	<5
SW303	333594-44	19 Sep 2023	<10	330	110	<100	440	<10	<10	0.002	<0.2	1.1	<0.05	<0.005	<5
SW303	337868-43	13 Nov 2023	<10	140	<100	<100	140	<18	<18	0.02	<0.2	1.5	0.06	<0.005	78
SW303	337868-44	13 Nov 2023	<10	<50	<100	<100	<50	<18	<18	0.01	<0.2	1.4	0.09	<0.005	70

			TRH					Biological			Halogenated Benzenes	Inorganics			
			C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)
			µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L
EQL			10	50	100	100	50	1	1	0.001	0.2	0.1	0.05	0.005	5
Location Code	**Sample Code**	**Date**													
SW304	312763-43	09 Dec 2022	<10	300	460	<100	760	18 mpn	18 mpn	0.02	<0.2	2.2	0.2	<0.005	30
SW304	312763-44	09 Dec 2022	<10	130	170	<100	300	18 mpn	18 mpn	0.03	<0.2	2.0	0.1	<0.005	54
SW304	317305-51	22 Feb 2023	<10	100	<100	<100	100	100 & >10	100 & >10	<0.001	<0.2	1	<0.05	<0.005	34
SW304	317305-52	22 Feb 2023	<10	110	<100	<100	110	300	300	<0.001	<0.2	0.8	<0.05	<0.005	19
SW304	321448-51	17 Apr 2023	<10	<50	<100	<100	<50	250	250	<0.001	<0.2	0.7	<0.05	<0.005	22
SW304	321448-52	17 Apr 2023	<10	91	<100	<100	90	330	330	0.001	<0.2	0.5	<0.05	<0.005	14
SW304	322245-51	01 May 2023	<10	<50	<100	<100	<50	3,000 A	3,000 A	<0.005	<0.2	1.9	<0.05	0.01	50
SW304	322245-52	01 May 2023	<100	<50	<100	<100	<50	730 A	730 A	<0.005	<0.2	2.0	<0.05	<0.005	41
SW304	326273-47	20 Jun 2023	<10	160	<100	<100	160	110 mpn/100mL	110 mpn/100mL	0.009	<0.2	1.2	0.08	<0.005	120
SW304	326273-48	20 Jun 2023	<10	130	<100	<100	130	110 mpn/100mL	110 mpn/100mL	0.003	<0.2	1.0	0.06	<0.005	70
SW304	333594-45	18 Sep 2023	<10	320	<100	<100	320	20 MPN/100mL	18 MPN/100mL	0.005	<0.2	2.0	0.1	<0.005	120
SW304	333594-46	18 Sep 2023	<100	340	<100	<100	340	18 MPN/100mL	18 MPN/100mL	0.005	<0.2	2.0	0.1	<0.005	150
SW304	337868-45	13 Nov 2023	<10	<50	<100	<100	<50	20	20	0.004	<0.2	0.7	<0.05	<0.005	26
SW304	337868-46	13 Nov 2023	<10	<50	<100	<100	<50	<18	<18	<0.001	<0.2	0.7	<0.05	<0.005	27
SW305	312763-45	09 Dec 2022	<10	60	<100	<100	60	<100	<100	0.01	<0.2	1.0	<0.1	<0.005	22
SW305	312763-46	09 Dec 2022	<10	<50	<100	<100	<50	<100	<100	0.02	<0.2	0.8	<0.1	<0.005	84
SW305	317305-53	20 Feb 2023	<10	<50	<100	<100	<50	5,000 A	5,000 A	0.01	<0.2	0.8	<0.05	<0.005	18
SW305	317305-54	20 Feb 2023	<10	<50	<100	<100	<50	1,000 &>100	1,000 &>100	0.007	<0.2	0.7	0.05	<0.005	20
SW305	321448-53	17 Apr 2023	<10	<50	<100	<100	<50	110 A	110 A	0.001	<0.2	0.7	<0.05	<0.005	6
SW305	321448-54	17 Apr 2023	<10	<50	<100	<100	<50	70 A	70 A	0.004	<0.2	0.7	<0.05	<0.005	8
SW305	322245-53	01 May 2023	<100	<50	<100	<100	<50	5,000 A	5,000 A	<0.005	<0.2	1.5	<0.05	<0.005	20
SW305	322245-54	01 May 2023	<100	<50	<100	<100	<50	6,000 A	6,000 A	<0.005	<0.2	1.7	<0.05	<0.005	23
SW305	326273-49	19 Jun 2023	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.5	<0.1	<0.005	20
SW305	326273-50	19 Jun 2023	<10	<50	<100	<100	<50	10^A	10^A	0.006	<0.2	0.5	<0.1	<0.005	12
SW305	333594-47	18 Sep 2023	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.6	<0.05	<0.005	<5
SW305	333594-48	18 Sep 2023	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.6	<0.05	<0.005	<5
SW305	337868-47	13 Nov 2023	<10	<50	110	<100	110	<18	<18	0.003	<0.2	1.1	0.06	<0.005	22
SW305	337868-48	13 Nov 2023	<10	<50	<100	<100	<50	<18	<18	0.002	<0.2	0.9	0.07	<0.005	28
SW306	312763-47	09 Dec 2022	<10	<50	<100	<100	<50	<100	<100	0.01	<0.2	0.8	<0.1	<0.005	210
SW306	312763-48	09 Dec 2022	<10	<50	<100	<100	<50	<100	<100	0.003	<0.2	0.9	<0.1	<0.005	62
SW306	317305-55	20 Feb 2023	<10	<50	<100	<100	<50	<1,000.0	<1,000.0	0.008	<0.2	<0.1	<0.05	<0.005	34
SW306	317305-56	20 Feb 2023	<10	<50	<100	<100	<50	100 &>10	100 &>10	0.007	<0.2	0.6	0.05	<0.005	27
SW306	321448-55	17 Apr 2023	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.7	<0.5	<0.005	17
SW306	321448-56	17 Apr 2023	<10	<50	<100	<100	<50	<10	<10	0.003	<0.2	0.7	<0.5	<0.005	16
SW306	322245-55	01 May 2023	<100	<50	<100	<100	<50	4,000 A	4,000 A	<0.005	<0.2	0.9	0.07	<0.005	130
SW306	322245-56	01 May 2023	<100	<50	<100	<100	<50	270 A	270 A	<0.005	<0.2	0.8	<0.05	<0.005	48
SW306	326273-51	19 Jun 2023	<10	<50	<100	<100	<50	<10	<10	0.003	<0.2	0.8	<0.1	<0.005	29
SW306	326273-52	19 Jun 2023	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.6	<0.1	<0.005	25
SW306	333594-49	18 Sep 2023	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	1.0	0.08	<0.005	16
SW306	333594-50	18 Sep 2023	<10	<50	<100	<100	<50	<10	<10	0.003	<0.2	1.0	0.06	<0.005	20
SW306	337868-49	13 Nov 2023	<10	<50	<100	<100	<50	<18	<18	0.002	<0.2	1.5	0.07	<0.005	80
SW306	337868-50	13 Nov 2023	<10	<50	<100	<100	<50	<18	<18	<0.001	<0.2	1.4	0.08	<0.005	58

			TRH					Biological			Halogenated Benzenes	Inorganics			
			C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)
			µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L
EQL			10	50	100	100	50	1	1	0.001	0.2	0.1	0.05	0.005	5
Location Code	**Sample Code**	**Date**													
SW307	**312763-49**	**09 Dec 2022**	<10	130	300	<100	430	18 mpn	18 mpn	0.007	<0.2	1.5	0.1	0.008	370
SW307	**312763-50**	**09 Dec 2022**	<10	200	440	<100	640	18 mpn	18 mpn	0.006	<0.2	1.5	0.2	0.01	360
SW307	**317305-57**	**22 Feb 2023**	<10	610	<100	<100	610	<1,000.0	<1,000.0	0.003	<0.2	1.3	<0.05	<0.005	88
SW307	**317305-58**	**22 Feb 2023**	<10	230	<100	<100	230	1,000 NBO	1,000 NBO	0.002	<0.2	0.9	<0.05	<0.005	120
SW307	**321448-57**	**17 Apr 2023**	<10	<50	<100	<100	<50	80 A	80 A	<0.001	<0.2	0.4	<0.05	<0.005	<5
SW307	**321448-58**	**17 Apr 2023**	<10	<50	<100	<100	<50	40 A	40 A	<0.001	<0.2	0.3	<0.05	<0.005	<5
SW307	**322245-57**	**01 May 2023**	<100	<50	<100	<100	<50	300 A	300 A	<0.005	<0.2	1.5	<0.05	<0.005	<5
SW307	**322245-58**	**01 May 2023**	<100	140	<100	<100	140	2,000.0	2,000.0	<0.005	<0.2	1.5	<0.05	<0.005	<5
SW307	**326273-53**	**21 Jun 2023**	<10	68	170	<100	240	110 mpn/100mL	110 mpn/100mL	0.002	<0.2	1.6	<0.05	0.009	60
SW307	**326273-54**	**20 Jun 2023**	<10	110	110	<100	220	490 mpn/100mL	490 mpn/100mL	0.001	<0.2	1.7	<0.05	0.008	80
SW307	**333594-51**	**19 Sep 2023**	<100	440	<100	<100	440	18 MPN/100mL	18 MPN/100mL	0.007	<0.2	1.4	<0.05	<0.005	66
SW307	**333594-52**	**19 Sep 2023**	<100	360	<100	<100	360	18 MPN/100mL	18 MPN/100mL	<0.002	<0.2	1.3	<0.05	<0.005	16
SW307	**337868-51**	**14 Nov 2023**	<10	420	170	<100	590	<18	<18	<0.001	<0.2	1.6	<0.05	<0.005	6
SW307	**337868-52**	**14 Nov 2023**	<10	280	110	<100	400	<18	<18	<0.001	<0.2	1.1	<0.05	<0.005	6
SW308	**312763-51**	**09 Dec 2022**	<10	87	270	<100	360	700 mpn	700 mpn	0.097	<0.2	1.7	0.8	<0.005	1,900
SW308	**312763-52**	**09 Dec 2022**	<10	85	370	<100	460	130 mpn	13 mpn	0.076	<0.2	1.7	0.09	<0.005	920
SW308	**317305-59**	**20 Feb 2023**	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.6	<0.05	<0.005	40
SW308	**317305-60**	**20 Feb 2023**	<10	59	<100	<100	60	10^A	10^A	<0.001	<0.2	0.6	<0.05	<0.005	19
SW308	**321448-59**	**17 Apr 2023**	<10	100	<100	<100	100	17,000.0	17,000.0	0.03	<0.2	0.5	<0.05	<0.005	420
SW308	**321448-60**	**17 Apr 2023**	<10	180	130	<100	320	150	150	0.01	<0.2	0.4	<0.05	<0.005	280
SW308	**322245-59**	**01 May 2023**	<100	<50	<100	<100	<50	600 A	600 A	<0.005	<0.2	1.5	0.06	<0.005	10
SW308	**322245-60**	**01 May 2023**	<100	<50	<100	<100	<50	1,500.0	1,500.0	<0.005	<0.2	1.4	<0.05	<0.005	67
SW308	**326273-55**	**19 Jun 2023**	<10	<50	<100	<100	<50	18 mpn/100mL	18 mpn/100mL	0.05	<0.2	0.5	0.06	<0.005	90
SW308	**326273-56**	**19 Jun 2023**	<10	<50	210	<100	210	20 mpn/100mL	20 mpn/100mL	0.069	<0.2	0.9	0.1	<0.005	2,000

Statistics

Number of Results	**98**	**98**	**98**	**98**	**98**	**98**	**98**	**98**	**98**	**98**	**98**	**98**	**98**	**98**
Number of Detects	**0**	**34**	**17**	**0**	**36**	**17**	**17**	**64**	**0**	**97**	**34**	**8**	**90**
Minimum Concentration	**<10**	**<50**	**<100**	**<100**	**<50**	**<10**	**<10**	**0.001**	**<0.2**	**<0.1**	**0.05**	**<0.005**	**<5**
Maximum Concentration	**<100**	**610**	**460**	**<100**	**760**	**17,000**	**17,000**	**0.11**	**<0.2**	**2.2**	**0.8**	**0.02**	**2,000**
Average Concentration *	**23**	**102**	**119**	**100**	**137**	**1,092**	**1,092**	**0.01**	**0.2**	**1**	**0.087**	**0.0056**	**108**
Median Concentration *	**10**	**50**	**100**	**100**	**50**	**100**	**100**	**0.005**	**0.2**	**0.9**	**0.05**	**0.005**	**27**

* A Non Detect Multiplier of 1 has been applied.

			Metals								
			Aluminium	Arsenic	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL			0.01	0.001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Sample Code**	**Date**									
SW301	**317305-45**	**22 Feb 2023**	1.5	<0.001	0.002	0.002	1.3	0.001	<0.00005	<0.001	0.003
SW301	**317305-46**	**22 Feb 2023**	1	<0.001	0.002	0.003	0.96	0.001	<0.00005	<0.001	0.013
SW301	**321448-45**	**17 Apr 2023**	1.7	<0.001	0.002	0.002	2.5	0.003	<0.00005	<0.001	0.01
SW301	**321448-46**	**17 Apr 2023**	2.8	0.001	0.003	0.003	3.9	0.005	<0.00005	<0.001	0.009
SW301	**322245-45**	**01 May 2023**	1.5	<0.001	0.002	0.002	1.4	0.002	<0.00005	<0.001	0.035
SW301	**322245-46**	**01 May 2023**	1.6	<0.001	0.002	0.002	1.3	0.002	<0.00005	<0.001	0.008
SW302	**317305-47**	**22 Feb 2023**	3.6	0.001	0.004	0.004	4.5	0.005	<0.00005	<0.001	0.008
SW302	**317305-48**	**22 Feb 2023**	3.3	0.001	0.004	0.003	4	0.004	<0.00005	<0.001	0.008
SW302	**321448-47**	**17 Apr 2023**	0.76	<0.001	0.001	0.002	0.7	<0.001	<0.00005	<0.001	0.007
SW302	**321448-48**	**17 Apr 2023**	0.8	<0.001	0.001	0.002	0.61	<0.001	<0.00005	<0.001	0.009
SW302	**322245-47**	**01 May 2023**	1.2	<0.001	0.002	0.001	1.3	0.001	<0.00005	<0.001	0.004
SW302	**322245-48**	**01 May 2023**	1.5	<0.001	0.003	0.002	2	0.002	<0.00005	<0.001	0.007
SW302	**326273-43**	**19 Jun 2023**	0.37	<0.001	0.002	0.004	0.53	<0.001	<0.00005	<0.001	0.011
SW302	**326273-44**	**19 Jun 2023**	0.41	<0.001	0.002	0.005	0.71	0.003	<0.00005	<0.001	0.014
SW302	**333594-41**	**19 Sep 2023**	0.12	<0.001	<0.001	0.002	0.23	<0.001	<0.00005	<0.001	0.023
SW302	**333594-42**	**19 Sep 2023**	0.1	<0.001	<0.001	0.003	0.2	<0.001	<0.00005	<0.001	0.006
SW302	**337868-41**	**13 Nov 2023**	3.5	<0.001	0.003	0.003	5.3	0.005	0.0002	<0.001	0.011
SW302	**337868-42**	**13 Nov 2023**	3.1	<0.001	0.003	0.003	5	0.005	0.0002	<0.001	0.009
SW303	**312763-41**	**09 Dec 2022**	1.5	0.004	0.003	0.002	5.7	0.003	<0.00005	<0.001	0.005
SW303	**312763-42**	**09 Dec 2022**	2	0.005	0.004	0.004	7.9	0.004	<0.00005	<0.001	0.01
SW303	**317305-49**	**20 Feb 2023**	0.4	0.001	0.001	0.001	2.2	<0.001	<0.00005	<0.001	0.005
SW303	**317305-50**	**20 Feb 2023**	0.45	0.001	0.002	0.002	2.3	<0.001	<0.00005	<0.001	0.012
SW303	**321448-49**	**17 Apr 2023**	0.38	0.002	<0.001	<0.001	0.74	<0.001	<0.00005	<0.001	0.004
SW303	**321448-50**	**17 Apr 2023**	0.41	0.002	0.001	0.001	1.4	<0.001	<0.00005	<0.001	0.01
SW303	**322245-49**	**01 May 2023**	0.24	0.002	<0.001	<0.001	0.42	<0.001	<0.00005	<0.001	0.001
SW303	**322245-50**	**01 May 2023**	0.26	0.001	<0.001	<0.001	0.42	<0.001	<0.00005	<0.001	0.002
SW303	**326273-45**	**21 Jun 2023**	0.13	0.001	0.001	<0.001	0.26	<0.001	<0.00005	<0.001	0.009
SW303	**326273-46**	**21 Jun 2023**	0.21	0.002	0.001	<0.001	0.25	<0.001	<0.00005	<0.001	0.003
SW303	**333594-43**	**19 Sep 2023**	0.08	0.002	<0.001	<0.001	0.24	<0.001	<0.00005	<0.001	0.006
SW303	**333594-44**	**19 Sep 2023**	0.04	0.002	<0.001	<0.001	0.19	<0.001	<0.00005	<0.001	0.008
SW303	**337868-43**	**13 Nov 2023**	0.04	0.002	<0.001	<0.001	0.47	<0.001	<0.00005	<0.001	0.004
SW303	**337868-44**	**13 Nov 2023**	0.46	0.003	0.001	<0.001	1.6	0.001	<0.00005	<0.001	0.01

			Metals								
			Aluminium	Arsenic	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL			0.01	0.001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Sample Code**	**Date**									
SW304	**312763-43**	**09 Dec 2022**	1.9	0.005	0.003	0.002	10	0.005	<0.00005	<0.001	0.009
SW304	**312763-44**	**09 Dec 2022**	1.7	0.004	0.004	0.003	9.6	0.003	<0.00005	<0.001	0.007
SW304	**317305-51**	**22 Feb 2023**	2.6	0.001	0.003	0.003	3.5	0.002	<0.00005	<0.001	0.009
SW304	**317305-52**	**22 Feb 2023**	2.8	0.001	0.003	0.004	4	0.002	<0.00005	<0.001	0.012
SW304	**321448-51**	**17 Apr 2023**	1.1	<0.001	0.001	0.001	2.6	0.001	<0.00005	<0.001	0.01
SW304	**321448-52**	**17 Apr 2023**	1.1	<0.001	0.002	0.004	2.5	0.001	<0.00005	<0.001	0.03
SW304	**322245-51**	**01 May 2023**	3.6	0.001	0.004	0.002	4.3	0.003	<0.00005	<0.001	0.006
SW304	**322245-52**	**01 May 2023**	4	0.001	0.004	0.002	4.5	0.004	<0.00005	<0.001	0.006
SW304	**326273-47**	**20 Jun 2023**	1.3	0.001	0.003	0.004	9.8	0.002	<0.00005	<0.001	0.013
SW304	**326273-48**	**20 Jun 2023**	0.95	0.001	0.002	0.002	5.8	0.002	<0.00005	<0.001	0.006
SW304	**333594-45**	**18 Sep 2023**	1.7	<0.001	0.002	0.004	5.9	0.003	<0.00005	<0.001	0.013
SW304	**333594-46**	**18 Sep 2023**	1.4	<0.001	0.002	0.006	6.2	0.002	<0.00005	<0.001	0.014
SW304	**337868-45**	**13 Nov 2023**	0.36	<0.001	<0.001	0.002	3.1	<0.001	<0.00005	<0.001	0.03
SW304	**337868-46**	**13 Nov 2023**	0.48	<0.001	0.001	0.001	5.6	<0.001	<0.00005	<0.001	0.028
SW305	**312763-45**	**09 Dec 2022**	0.13	0.001	0.001	0.008	0.32	<0.001	<0.00005	<0.001	0.031
SW305	**312763-46**	**09 Dec 2022**	0.53	0.001	0.001	0.002	1.5	0.001	<0.00005	<0.001	0.011
SW305	**317305-53**	**20 Feb 2023**	0.49	0.001	0.002	0.002	1.3	<0.001	<0.00005	<0.001	0.008
SW305	**317305-54**	**20 Feb 2023**	0.37	0.001	0.001	0.001	1.2	<0.001	<0.00005	<0.001	0.007
SW305	**321448-53**	**17 Apr 2023**	0.22	<0.001	<0.001	0.003	0.56	<0.001	<0.00005	<0.001	0.008
SW305	**321448-54**	**17 Apr 2023**	0.2	0.001	<0.001	<0.001	0.47	<0.001	<0.00005	<0.001	0.003
SW305	**322245-53**	**01 May 2023**	1.5	<0.001	0.002	0.002	2.1	0.001	<0.00005	<0.001	0.003
SW305	**322245-54**	**01 May 2023**	1.7	<0.001	0.002	0.002	2	0.002	<0.00005	<0.001	0.005
SW305	**326273-49**	**19 Jun 2023**	0.42	<0.001	0.002	<0.001	0.56	<0.001	<0.00005	<0.001	0.002
SW305	**326273-50**	**19 Jun 2023**	0.15	<0.001	0.001	0.002	0.34	<0.001	<0.00005	<0.001	0.007
SW305	**333594-47**	**18 Sep 2023**	0.03	0.001	<0.001	<0.001	0.08	<0.001	<0.00005	<0.001	0.008
SW305	**333594-48**	**18 Sep 2023**	0.03	0.001	<0.001	<0.001	0.09	<0.001	<0.00005	<0.001	0.002
SW305	**337868-47**	**13 Nov 2023**	0.09	<0.001	<0.001	<0.001	0.33	<0.001	<0.00005	<0.001	0.003
SW305	**337868-48**	**13 Nov 2023**	0.1	<0.001	<0.001	<0.001	0.33	<0.001	<0.00005	<0.001	0.001
SW306	**312763-47**	**09 Dec 2022**	0.62	0.002	0.002	<0.001	1.9	0.001	<0.00005	<0.001	0.003
SW306	**312763-48**	**09 Dec 2022**	0.53	0.002	0.001	<0.001	1.4	<0.001	<0.00005	<0.001	0.003
SW306	**317305-55**	**20 Feb 2023**	0.26	0.002	0.001	<0.001	0.85	<0.001	<0.00005	<0.001	0.007
SW306	**317305-56**	**20 Feb 2023**	0.33	0.002	0.001	<0.001	0.87	<0.001	<0.00005	<0.001	0.002
SW306	**321448-55**	**17 Apr 2023**	0.32	0.002	<0.001	<0.001	0.61	<0.001	<0.00005	<0.001	0.001
SW306	**321448-56**	**17 Apr 2023**	0.49	0.002	0.001	<0.001	0.82	<0.001	<0.00005	<0.001	0.002
SW306	**322245-55**	**01 May 2023**	0.76	0.002	0.002	0.001	1.2	0.001	<0.00005	<0.001	0.003
SW306	**322245-56**	**01 May 2023**	0.72	0.001	0.001	0.001	0.84	<0.001	<0.00005	<0.001	<0.001
SW306	**326273-51**	**19 Jun 2023**	0.19	0.002	0.001	<0.001	0.38	<0.001	<0.00005	<0.001	0.004
SW306	**326273-52**	**19 Jun 2023**	0.23	0.002	0.001	<0.001	0.47	<0.001	<0.00005	<0.001	0.002
SW306	**333594-49**	**18 Sep 2023**	0.54	0.003	<0.001	<0.001	0.75	<0.001	<0.00005	<0.001	0.006
SW306	**333594-50**	**18 Sep 2023**	0.19	0.003	<0.001	<0.001	0.29	<0.001	<0.00005	<0.001	0.004
SW306	**337868-49**	**13 Nov 2023**	0.3	0.002	<0.001	<0.001	0.48	<0.001	<0.00005	<0.001	0.004
SW306	**337868-50**	**13 Nov 2023**	0.29	0.002	<0.001	<0.001	0.52	<0.001	<0.00005	<0.001	0.003

			Metals								
			Aluminium	Arsenic	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL			0.01	0.001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Sample Code**	**Date**									
SW307	**312763-49**	**09 Dec 2022**	3.3	0.003	0.005	0.002	16	0.006	<0.00005	<0.001	0.008
SW307	**312763-50**	**09 Dec 2022**	3.7	0.003	0.006	0.003	16	0.006	<0.00005	<0.001	0.091
SW307	**317305-57**	**22 Feb 2023**	0.83	<0.001	0.002	0.005	1.6	0.002	<0.00005	<0.001	0.036
SW307	**317305-58**	**22 Feb 2023**	0.6	<0.001	0.002	0.004	0.99	0.001	<0.00005	<0.001	0.025
SW307	**321448-57**	**17 Apr 2023**	0.23	<0.001	<0.001	<0.001	0.78	<0.001	<0.00005	<0.001	0.01
SW307	**321448-58**	**17 Apr 2023**	0.25	<0.001	<0.001	<0.001	0.8	<0.001	<0.00005	<0.001	0.01
SW307	**322245-57**	**01 May 2023**	1.8	<0.001	0.002	0.002	1.9	0.002	<0.00005	<0.001	0.01
SW307	**322245-58**	**01 May 2023**	1.6	<0.001	0.002	0.002	2.4	0.002	<0.00005	<0.001	0.004
SW307	**326273-53**	**21 Jun 2023**	6.7	0.002	0.009	0.004	2.9	0.005	<0.00005	<0.001	0.016
SW307	**326273-54**	**20 Jun 2023**	8.3	0.002	0.011	0.005	3.4	0.006	<0.00005	<0.001	0.021
SW307	**333594-51**	**19 Sep 2023**	3.3	0.002	0.006	0.003	1.8	0.003	<0.00005	<0.001	0.022
SW307	**333594-52**	**19 Sep 2023**	3.4	0.002	0.005	0.003	1.8	0.003	<0.00005	<0.001	0.012
SW307	**337868-51**	**14 Nov 2023**	0.51	<0.001	0.002	0.002	0.73	<0.001	0.00006	<0.001	0.018
SW307	**337868-52**	**14 Nov 2023**	0.45	<0.001	0.002	0.001	0.72	<0.001	<0.00005	<0.001	0.015
SW308	**312763-51**	**09 Dec 2022**	13	0.019	0.02	0.015	80	0.033	0.00005	0.002	0.032
SW308	**312763-52**	**09 Dec 2022**	1.1	0.004	0.002	0.003	4.9	0.002	<0.00005	<0.001	0.006
SW308	**317305-59**	**20 Feb 2023**	0.84	0.001	0.002	0.001	2.6	<0.001	<0.00005	<0.001	0.005
SW308	**317305-60**	**20 Feb 2023**	1.3	0.001	0.002	0.002	2.8	<0.001	<0.00005	<0.001	0.008
SW308	**321448-59**	**17 Apr 2023**	0.68	<0.001	0.001	<0.001	1.9	<0.001	<0.00005	<0.001	0.006
SW308	**321448-60**	**17 Apr 2023**	1.3	0.001	0.002	0.002	3.2	0.002	<0.00005	<0.001	0.011
SW308	**322245-59**	**01 May 2023**	3	0.001	0.004	0.003	4.7	0.004	<0.00005	<0.001	0.005
SW308	**322245-60**	**01 May 2023**	1.9	<0.001	0.003	0.003	2.9	0.002	<0.00005	<0.001	0.009
SW308	**326273-55**	**19 Jun 2023**	5.1	0.003	0.006	0.004	5.2	0.007	<0.00005	<0.001	0.013
SW308	**326273-56**	**19 Jun 2023**	10	0.005	0.013	0.012	14	0.014	<0.00005	<0.001	0.022

Statistics

Number of Results	**98**	**98**	**98**	**98**	**98**	**98**	**98**	**98**	**98**
Number of Detects	**98**	**60**	**76**	**68**	**98**	**50**	**4**	**1**	**97**
Minimum Concentration	**0.03**	**0.001**	**0.001**	**0.001**	**0.08**	**0.001**	**0.00005**	**<0.001**	**0.001**
Maximum Concentration	**13**	**0.019**	**0.02**	**0.015**	**80**	**0.033**	**0.0002**	**0.002**	**0.091**
Average Concentration *	**1.5**	**0.0017**	**0.0024**	**0.0024**	**3.4**	**0.0024**	**0.000053**	**0.001**	**0.011**
Median Concentration *	**0.74**	**0.001**	**0.002**	**0.002**	**1.45**	**0.001**	**0.00005**	**0.001**	**0.008**

* A Non Detect Multiplier of 1 has been applied.

			Organochlorine Pesticides																	
			4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Sample Code**	**Date**																			
SW301	**317305-45**	**22 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW301	**317305-46**	**22 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW301	**321448-45**	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW301	**321448-46**	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW301	**322245-45**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW301	**322245-46**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW302	**317305-47**	**22 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW302	**317305-48**	**22 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW302	**321448-47**	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW302	**321448-48**	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW302	**322245-47**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW302	**322245-48**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW302	**326273-43**	**19 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW302	**326273-44**	**19 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW302	**333594-41**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW302	**333594-42**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW302	**337868-41**	**13 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW302	**337868-42**	**13 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW303	**312763-41**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW303	**312763-42**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW303	**317305-49**	**20 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW303	**317305-50**	**20 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW303	**321448-49**	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW303	**321448-50**	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW303	**322245-49**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW303	**322245-50**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW303	**326273-45**	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW303	**326273-46**	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW303	**333594-43**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW303	**333594-44**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW303	**337868-43**	**13 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW303	**337868-44**	**13 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

			Organochlorine Pesticides																
			4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Sample Code**	**Date**																			
SW304	**312763-43**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW304	**312763-44**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW304	**317305-51**	**22 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW304	**317305-52**	**22 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW304	**321448-51**	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW304	**321448-52**	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW304	**322245-51**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW304	**322245-52**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW304	**326273-47**	**20 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW304	**326273-48**	**20 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW304	**333594-45**	**18 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW304	**333594-46**	**18 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW304	**337868-45**	**13 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW304	**337868-46**	**13 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**312763-45**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**312763-46**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**317305-53**	**20 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**317305-54**	**20 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**321448-53**	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**321448-54**	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**322245-53**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**322245-54**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**326273-49**	**19 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**326273-50**	**19 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**333594-47**	**18 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**333594-48**	**18 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**337868-47**	**13 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW305	**337868-48**	**13 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**312763-47**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**312763-48**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**317305-55**	**20 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**317305-56**	**20 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**321448-55**	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**321448-56**	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**322245-55**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**322245-56**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**326273-51**	**19 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**326273-52**	**19 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**333594-49**	**18 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**333594-50**	**18 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**337868-49**	**13 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW306	**337868-50**	**13 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

			Organochlorine Pesticides																
			4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Sample Code**	**Date**																			
SW307	312763-49	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW307	312763-50	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW307	317305-57	22 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW307	317305-58	22 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW307	321448-57	17 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW307	321448-58	17 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW307	322245-57	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW307	322245-58	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW307	326273-53	21 Jun 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW307	326273-54	20 Jun 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW307	333594-51	19 Sep 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW307	333594-52	19 Sep 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW307	337868-51	14 Nov 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW307	337868-52	14 Nov 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW308	312763-51	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW308	312763-52	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW308	317305-59	20 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW308	317305-60	20 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW308	321448-59	17 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW308	321448-60	17 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW308	322245-59	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW308	322245-60	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW308	326273-55	19 Jun 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW308	326273-56	19 Jun 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Statistics

Number of Results	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
Number of Detects	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Maximum Concentration	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Average Concentration *	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Median Concentration *	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

* A Non Detect Multiplier of 1 has been applied.

			PAH															
			Benzo[b+j+k]fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
			mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL			0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0005	0.0001
Location Code	**Sample Code**	**Date**																	
SW301	**317305-45**	**22 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW301	**317305-46**	**22 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW301	**321448-45**	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW301	**321448-46**	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW301	**322245-45**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW301	**322245-46**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW302	**317305-47**	**22 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW302	**317305-48**	**22 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW302	**321448-47**	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW302	**321448-48**	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW302	**322245-47**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW302	**322245-48**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW302	**326273-43**	**19 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW302	**326273-44**	**19 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW302	**333594-41**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW302	**333594-42**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW302	**337868-41**	**13 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW302	**337868-42**	**13 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW303	**312763-41**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW303	**312763-42**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW303	**317305-49**	**20 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW303	**317305-50**	**20 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW303	**321448-49**	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW303	**321448-50**	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW303	**322245-49**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW303	**322245-50**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW303	**326273-45**	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW303	**326273-46**	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW303	**333594-43**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW303	**333594-44**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW303	**337868-43**	**13 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW303	**337868-44**	**13 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001

			PAH															
			Benzo(b+j+k)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
			mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL			0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0005	0.0001
Location Code	**Sample Code**	**Date**																	
SW304	**312763-43**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW304	**312763-44**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW304	**317305-51**	**22 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW304	**317305-52**	**22 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW304	**321448-51**	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW304	**321448-52**	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW304	**322245-51**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW304	**322245-52**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW304	**326273-47**	**20 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW304	**326273-48**	**20 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW304	**333594-45**	**18 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW304	**333594-46**	**18 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW304	**337868-45**	**13 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW304	**337868-46**	**13 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW305	**312763-45**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW305	**312763-46**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW305	**317305-53**	**20 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW305	**317305-54**	**20 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW305	**321448-53**	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW305	**321448-54**	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW305	**322245-53**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW305	**322245-54**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW305	**326273-49**	**19 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW305	**326273-50**	**19 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW305	**333594-47**	**18 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW305	**333594-48**	**18 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW305	**337868-47**	**13 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW305	**337868-48**	**13 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW306	**312763-47**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW306	**312763-48**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW306	**317305-55**	**20 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW306	**317305-56**	**20 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW306	**321448-55**	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW306	**321448-56**	**17 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW306	**322245-55**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW306	**322245-56**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW306	**326273-51**	**19 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW306	**326273-52**	**19 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW306	**333594-49**	**18 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW306	**333594-50**	**18 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW306	**337868-49**	**13 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW306	**337868-50**	**13 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001

			PAH															
			Benzo[b+j+k]fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
			mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL			0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0005	0.0001
Location Code	**Sample Code**	**Date**																	
SW307	312763-49	09 Dec 2022	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW307	312763-50	09 Dec 2022	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW307	317305-57	22 Feb 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW307	317305-58	22 Feb 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW307	321448-57	17 Apr 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW307	321448-58	17 Apr 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW307	322245-57	01 May 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW307	322245-58	01 May 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW307	326273-53	21 Jun 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW307	326273-54	20 Jun 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW307	333594-51	19 Sep 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW307	333594-52	19 Sep 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW307	337868-51	14 Nov 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW307	337868-52	14 Nov 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW308	312763-51	09 Dec 2022	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW308	312763-52	09 Dec 2022	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW308	317305-59	20 Feb 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW308	317305-60	20 Feb 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW308	321448-59	17 Apr 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW308	321448-60	17 Apr 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW308	322245-59	01 May 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW308	322245-60	01 May 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW308	326273-55	19 Jun 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW308	326273-56	19 Jun 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001

Statistics

Number of Results	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
Number of Detects	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
Maximum Concentration	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
Average Concentration *	0.00042	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.27	0.21	0.21	0.0011	<0.0001
Median Concentration *	0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0005	<0.0001

* A Non Detect Multiplier of 1 has been applied.

			PCBs							TPH				
			Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Sample Code**	**Date**												
SW301	317305-45	22 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW301	317305-46	22 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW301	321448-45	17 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW301	321448-46	17 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	120	<100	<100	120
SW301	322245-45	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
SW301	322245-46	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
SW302	317305-47	22 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW302	317305-48	22 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW302	321448-47	17 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW302	321448-48	17 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW302	322245-47	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW302	322245-48	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW302	326273-43	19 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW302	326273-44	19 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW302	333594-41	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	300	<100	300
SW302	333594-42	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	220	<100	220
SW302	337868-41	13 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	74	370	<100	440
SW302	337868-42	13 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	190	<100	190
SW303	312763-41	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW303	312763-42	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW303	317305-49	20 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW303	317305-50	20 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW303	321448-49	17 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW303	321448-50	17 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW303	322245-49	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW303	322245-50	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW303	326273-45	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW303	326273-46	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW303	333594-43	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW303	333594-44	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	370	<100	370
SW303	337868-43	13 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	150	<100	150
SW303	337868-44	13 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50

			PCBs							TPH				
			Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Sample Code**	**Date**												
SW304	312763-43	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	90	640	100	840
SW304	312763-44	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	250	<100	250
SW304	317305-51	22 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	130	<100	130
SW304	317305-52	22 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	120	<100	120
SW304	321448-51	17 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW304	321448-52	17 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	120	<100	120
SW304	322245-51	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW304	322245-52	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
SW304	326273-47	20 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	180	<100	180
SW304	326273-48	20 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	130	<100	130
SW304	333594-45	18 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	340	<100	340
SW304	333594-46	18 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<100	<50	340	<100	340
SW304	337868-45	13 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW304	337868-46	13 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW305	312763-45	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW305	312763-46	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW305	317305-53	20 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW305	317305-54	20 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW305	321448-53	17 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW305	321448-54	17 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW305	322245-53	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
SW305	322245-54	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
SW305	326273-49	19 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW305	326273-50	19 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW305	333594-47	18 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW305	333594-48	18 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW305	337868-47	13 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	120	<100	120
SW305	337868-48	13 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW306	312763-47	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW306	312763-48	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW306	317305-55	20 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW306	317305-56	20 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW306	321448-55	17 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW306	321448-56	17 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW306	322245-55	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
SW306	322245-56	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
SW306	326273-51	19 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW306	326273-52	19 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW306	333594-49	18 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW306	333594-50	18 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW306	337868-49	13 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW306	337868-50	13 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50

			PCBs							TPH				
			Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Sample Code**	**Date**												
SW307	312763-49	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	64	290	130	480
SW307	312763-50	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	86	420	170	680
SW307	317305-57	22 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	680	<100	680
SW307	317305-58	22 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	290	<100	290
SW307	321448-57	17 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW307	321448-58	17 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW307	322245-57	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
SW307	322245-58	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<100	<50	220	<100	220
SW307	326273-53	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	180	<100	180
SW307	326273-54	20 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	170	<100	170
SW307	333594-51	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<100	<50	470	<100	470
SW307	333594-52	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<100	<50	450	<100	450
SW307	337868-51	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	550	<100	550
SW307	337868-52	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	360	<100	360
SW308	312763-51	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	230	110	340
SW308	312763-52	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	290	150	440
SW308	317305-59	20 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW308	317305-60	20 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	100	<100	100
SW308	321448-59	17 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	120	<100	120
SW308	321448-60	17 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	250	<100	250
SW308	322245-59	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
SW308	322245-60	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
SW308	326273-55	19 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW308	326273-56	19 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	130	100	230

Statistics

Number of Results	98	98	98	98	98	98	98	98	98	98	98	98
Number of Detects	0	0	0	0	0	0	0	0	5	33	6	34
Minimum Concentration	<2	<2	<2	<2	<2	<2	<2	<10	<50	100	100	<50
Maximum Concentration	<2	<2	<2	<2	<2	<2	<2	<100	120	680	170	840
Average Concentration *	2	2	2	2	2	2	2	23	52	160	102	138
Median Concentration *	2	2	2	2	2	2	2	10	50	100	100	50

* A Non Detect Multiplier of 1 has been applied.

Table 72: Estuary surface water - laboratory data all events

			TRH					Biological			Halogenated Benzenes	Inorganics			
			C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)
			µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L
EQL			10	50	100	100	50	1	1	0.001	0.2	0.1	0.05	0.005	5
Location Code	**Sample Code**	**Date**													
SW201	312763-1	09 Dec 2022	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.1	<0.05	0.01	<5
SW201	312763-10	09 Dec 2022	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.2	<0.05	0.02	<5
SW201	317305-11	21 Feb 2023	<10	<50	<100	<100	<50	<100	<100	0.001	<0.2	0.3	0.05	0.02	8
SW201	317305-12	21 Feb 2023	<10	<50	<100	<100	<50	<1,000.0	<1,000.0	0.002	<0.2	0.2	<0.05	0.02	6
SW201	321448-11	19 Apr 2023	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.2	<0.05	0.02	<5
SW201	321448-12	19 Apr 2023	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.02	6
SW201	322245-11	01 May 2023	<10	<50	<100	<100	<50	100 A	100 A	<0.005	<0.2	0.5	0.09	0.04	5
SW201	322245-12	01 May 2023	<10	<50	<100	<100	<50	100/>10	100/>10	<0.005	<0.2	0.5	0.08	0.04	6
SW201	326273-11	21 Jun 2023	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.01	12
SW201	326273-12	21 Jun 2023	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.01	13
SW201	333594-9	19 Sep 2023	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.1	<0.05	0.01	10
SW201	333594-10	19 Sep 2023	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.1	0.05	0.01	8
SW201	337868-9	14 Nov 2023	<10	<50	<100	<100	<50	<1	<1	<0.001	<0.2	0.1	0.06	0.01	28
SW201	337868-10	14 Nov 2023	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	0.05	0.01	22
SW202	312763-11	09 Dec 2022	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	<5
SW202	312763-12	09 Dec 2022	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.1	<0.05	0.01	<5
SW202	317305-13	21 Feb 2023	<10	<50	<100	<100	<50	<100	<100	<0.001	<0.2	0.2	<0.1	0.02	<5
SW202	317305-14	21 Feb 2023	<10	<50	<100	<100	<50	1,000 &>100	1,000 &>100	0.001	<0.2	0.2	<0.1	0.02	<5
SW202	321448-13	19 Apr 2023	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	0.05	0.02	<5
SW202	321448-14	19 Apr 2023	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.02	<5
SW202	322245-13	01 May 2023	<10	<50	<100	<100	<50	55 A	55 A	<0.005	<0.2	0.4	0.06	0.03	6
SW202	322245-14	01 May 2023	<10	<50	<100	<100	<50	27 A	27 A	<0.005	<0.2	0.4	0.06	0.03	7
SW202	326273-13	21 Jun 2023	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.1	<0.1	0.009	6
SW202	326273-14	21 Jun 2023	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	0.01	<5
SW202	333594-11	19 Sep 2023	<10	<50	<100	<100	<50	<10	<10	0.004	<0.2	0.2	<0.05	0.008	8
SW202	333594-12	19 Sep 2023	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.1	0.06	0.005	8
SW202	337868-11	14 Nov 2023	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.1	<0.05	0.008	18
SW202	337868-12	14 Nov 2023	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.05	0.008	19
SW203	312763-13	09 Dec 2022	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	10
SW203	312763-14	09 Dec 2022	<10	<50	<100	<100	<50	10^A	10^A	0.002	<0.2	0.1	<0.05	0.01	9
SW203	317305-15	21 Feb 2023	<10	<50	<100	<100	<50	<100	<100	0.002	<0.2	0.2	<0.05	0.02	<5
SW203	317305-16	21 Feb 2023	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.2	<0.05	0.01	6
SW203	321448-15	19 Apr 2023	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	<5
SW203	321448-16	19 Apr 2023	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.1	<0.05	0.01	<5
SW203	322245-15	01 May 2023	<10	<50	<100	<100	<50	60 A	60 A	<0.005	<0.2	0.4	0.06	0.02	10
SW203	322245-16	01 May 2023	<10	<50	<100	<100	<50	60 A	60 A	<0.005	<0.2	0.3	0.06	0.02	8
SW203	326273-15	21 Jun 2023	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	<0.005	<5
SW203	326273-16	21 Jun 2023	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	<0.1	<0.1	<0.005	6
SW203	333594-13	19 Sep 2023	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.2	<0.05	<0.005	15
SW203	333594-14	19 Sep 2023	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.1	<0.05	<0.005	20
SW203	337868-13	14 Nov 2023	<10	<50	<100	<100	<50	1&<10	1&<10	<0.001	<0.2	0.1	<0.05	0.007	20
SW203	337868-14	14 Nov 2023	<10	<50	<100	<100	<50	1&<10	1&<10	<0.001	<0.2	0.1	<0.05	0.008	18

			TRH					Biological			Halogenated Benzenes	Inorganics			
			C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)
			µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L
EQL			10	50	100	100	50	1	1	0.001	0.2	0.1	0.05	0.005	5
Location Code	**Sample Code**	**Date**													
SW204	312763-15	09 Dec 2022	<10	<50	<100	<100	<50	<100	<100	<0.001	<0.2	0.4	0.1	0.006	44
SW204	312763-16	09 Dec 2022	<10	<50	<100	<100	<50	100 & >10	100 & >10	0.004	<0.2	0.3	0.06	0.007	32
SW204	317305-17	23 Feb 2023	<10	<50	<100	<100	<50	<100	<100	0.009	<0.2	0.2	0.2	0.009	140
SW204	317305-18	23 Feb 2023	<10	<50	<100	<100	<50	<10	<10	0.004	<0.2	0.2	0.07	0.01	22
SW204	321448-17	19 Apr 2023	<10	<50	<100	<100	<50	100 A	100 A	0.01	<0.2	0.8	0.2	0.006	180
SW204	321448-18	19 Apr 2023	<10	<50	<100	<100	<50	150	150	0.003	<0.2	0.3	0.3	<0.005	310
SW204	322245-17	01 May 2023	<10	<50	<100	<100	<50	<1,000.0	<1,000.0	<0.005	<0.2	0.2	0.4	0.006	340
SW204	322245-18	01 May 2023	<10	<50	<100	<100	<50	1,000 A	1,000 A	<0.005	<0.2	0.3	0.09	0.007	30
SW204	333594-58	20 Sep 2023	<10	50	<100	<100	50	200	200	0.003	<0.2	0.4	0.1	<0.005	73
SW204	333594-59	20 Sep 2023	<10	58	<100	<100	60	90A	90A	0.006	<0.2	0.4	0.1	<0.005	120
SW204	337868-58	15 Nov 2023	<10	<50	<100	<100	<50	1&<10	1&<10	0.003	<0.2	0.3	0.08	0.02	98
SW204	337868-59	15 Nov 2023	<10	<50	<100	<100	<50	100	100	0.009	<0.2	0.2	0.3	0.02	39
SW205	312763-17	09 Dec 2022	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.009	8
SW205	312763-18	09 Dec 2022	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.1	<0.05	0.009	7
SW205	314392-8	01 Jan 2023	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.2	<0.05	0.01	14
SW205	317305-19	21 Feb 2023	<10	<50	<100	<100	<50	<100	<100	<0.001	<0.2	0.1	<0.05	0.01	<5
SW205	317305-20	21 Feb 2023	<10	<50	<100	<100	<50	<100	<100	<0.001	<0.2	<0.1	<0.1	0.009	<5
SW205	319307-11	20 Mar 2023	<10	<50	<100	<100	<50	40A	40A	0.002	<0.2	0.2	<0.1	0.02	21
SW205	321448-19	19 Apr 2023	<10	<50	<100	<100	<50	20^ A	20^ A	<0.001	<0.2	0.1	<0.05	0.01	5
SW205	321448-20	19 Apr 2023	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	6
SW205	322245-19	01 May 2023	<10	<50	<100	<100	<50	30 A	30 A	<0.005	<0.2	0.2	<0.05	0.008	14
SW205	322245-20	01 May 2023	<10	<50	<100	<100	<50	200 A	200 A	<0.005	<0.2	0.2	<0.05	0.006	10
SW205	326273-17	20 Jun 2023	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.008	10
SW205	326273-18	20 Jun 2023	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.1	<0.1	0.009	22
SW205	327756-10	11 Jul 2023	<10	<50	<100	<100	<50	1^A	1^A	<0.001	<0.2	<0.1	<0.05	<0.005	<5
SW205	331844-10	30 Aug 2023	<10	<50	<100	<100	<50	5A	5A	0.001	<0.2	0.1	<0.1	<0.005	12
SW205	333594-15	19 Sep 2023	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	<0.1	<0.05	<0.005	13
SW205	333594-16	19 Sep 2023	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.1	<0.05	<0.005	11
SW205	335606-10	17 Oct 2023	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.2	<0.1	0.007	12
SW205	337868-15	14 Nov 2023	<10	<50	<100	<100	<50	10	10	0.002	<0.2	0.1	<0.05	0.007	23
SW205	337868-16	14 Nov 2023	<10	<50	<100	<100	<50	10	10	0.002	<0.2	0.1	<0.05	0.007	18
SW206	312763-19	09 Dec 2022	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	8
SW206	312763-20	09 Dec 2022	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	<0.1	<0.05	0.01	6
SW206	317305-21	21 Feb 2023	<10	<50	<100	<100	<50	<1,000.0	<1,000.0	0.001	<0.2	0.1	<0.05	0.009	6
SW206	317305-22	21 Feb 2023	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.1	<0.1	0.007	5
SW206	321448-21	19 Apr 2023	<10	<50	<100	<100	<50	40 A	40 A	<0.001	<0.2	0.1	<0.05	0.01	6
SW206	321448-22	19 Apr 2023	<10	<50	<100	<100	<50	40 A	40 A	<0.001	<0.2	0.1	<0.05	0.01	5
SW206	322245-21	01 May 2023	<10	<50	<100	<100	<50	400 A	400 A	<0.005	<0.2	0.2	<0.05	0.008	18
SW206	322245-22	01 May 2023	<10	<50	<100	<100	<50	300 A NBO	300 A NBO	<0.005	<0.2	0.2	<0.05	0.008	8
SW206	326273-19	20 Jun 2023	<10	<50	<100	<100	<50	<10	<10	0.008	<0.2	0.1	<0.1	0.007	22
SW206	326273-20	20 Jun 2023	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.007	20
SW206	333594-17	19 Sep 2023	<10	<50	<100	<100	<50	<10	<10	0.003	<0.2	<0.1	<0.05	0.006	8
SW206	333594-18	19 Sep 2023	<10	<50	<100	<100	<50	<10	<10	0.003	<0.2	0.1	<0.05	<0.005	6
SW206	337868-17	14 Nov 2023	<10	<50	<100	<100	<50	1&<10	1&<10	<0.001	<0.2	<0.1	<0.05	0.009	8
SW206	337868-18	14 Nov 2023	<10	<50	<100	<100	<50	1&<10	1&<10	0.002	<0.2	0.1	<0.05	0.007	18

			TRH					Biological			Halogenated Benzenes	Inorganics			
			C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)
			µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L
EQL			10	50	100	100	50	1	1	0.001	0.2	0.1	0.05	0.005	5
Location Code	**Sample Code**	**Date**													
SW207	**312763-21**	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.006	12
SW207	**312763-58**	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.008	14
SW207	**314392-9**	**01 Jan 2023**	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.2	0.05	0.006	12
SW207	**317305-23**	**21 Feb 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.009	6
SW207	**317305-24**	**21 Feb 2023**	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.1	<0.1	0.01	8
SW207	**319307-12**	**20 Mar 2023**	<10	100	<100	<100	100	170 mpn/100mL	170 mpn/100mL	0.008	<0.2	0.2	0.2	0.02	360
SW207	**321448-23**	**19 Apr 2023**	<10	<50	<100	<100	<50	10^ A	10^ A	<0.001	<0.2	0.1	<0.05	0.01	<5
SW207	**321448-24**	**19 Apr 2023**	<10	<50	<100	<100	<50	<100	<100	0.001	<0.2	0.1	<0.05	0.01	<5
SW207	**322245-23**	**01 May 2023**	<10	<50	<100	<100	<50	400 A	400 A	<0.005	<0.2	0.3	<0.05	0.02	8
SW207	**322245-24**	**01 May 2023**	<10	<50	<100	<100	<50	190	190	<0.005	<0.2	0.3	<0.05	0.01	8
SW207	**326273-21**	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.009	14
SW207	**326273-22**	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.007	10
SW207	**327756-11**	**11 Jul 2023**	<10	<50	<100	<100	<50	<1	<1	0.005	<0.2	0.1	<0.05	<0.005	<5
SW207	**331844-11**	**30 Aug 2023**	<10	<50	<100	<100	<50	1^A	1^A	<0.001	<0.2	0.1	<0.1	<0.005	14
SW207	**333594-19**	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	<0.1	<0.05	<0.005	10
SW207	**333594-20**	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	<0.1	<0.05	0.005	10
SW207	**335606-11**	**17 Oct 2023**	<10	<50	<100	<100	<50	<10	<10	0.003	<0.2	0.2	<0.1	0.006	9
SW207	**337868-19**	**14 Nov 2023**	<10	<50	160	<100	160	<10	<10	<0.001	<0.2	<0.1	<0.1	0.007	21
SW207	**337868-20**	**14 Nov 2023**	<10	<50	<100	<100	<50	1^A	1^A	0.002	<0.2	<0.1	<0.1	0.006	22
SW208	**312763-22**	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.009	8
SW208	**312763-59**	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.009	18
SW208	**317305-25**	**21 Feb 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.2	<0.05	0.009	7
SW208	**317305-26**	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	0.001	<0.2	0.1	<0.05	0.008	8
SW208	**321448-25**	**19 Apr 2023**	<10	<50	<100	<100	<50	<100	<100	0.001	<0.2	0.1	<0.05	0.01	<5
SW208	**321448-26**	**19 Apr 2023**	<10	<50	<100	<100	<50	10^ A	10^ A	<0.001	<0.2	0.1	<0.05	0.01	<5
SW208	**322245-25**	**01 May 2023**	<10	<50	<100	<100	<50	600 A	600 A	<0.005	<0.2	0.3	<0.05	0.02	7
SW208	**322245-26**	**01 May 2023**	<10	<50	<100	<100	<50	600 A	600 A	<0.005	<0.2	0.3	<0.05	0.02	8
SW208	**326273-23**	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	0.006	<5
SW208	**326273-24**	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	0.007	<5
SW208	**333594-21**	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.1	<0.05	<0.005	8
SW208	**333594-22**	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	<0.1	<0.05	<0.005	8
SW208	**337868-21**	**14 Nov 2023**	<10	<50	<100	<100	<50	<1	<1	0.002	<0.2	<0.1	<0.05	0.006	25
SW208	**337868-22**	**14 Nov 2023**	<10	<50	<100	<100	<50	<10	<10	0.003	<0.2	<0.1	<0.05	0.006	23
SW209	**312763-23**	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	6
SW209	**312763-24**	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.1	<0.05	0.009	6
SW209	**317305-27**	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	0.002	<0.2	0.1	<0.05	0.008	7
SW209	**317305-28**	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	0.002	<0.2	0.2	<0.1	0.009	6
SW209	**321448-27**	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.1	<0.05	0.01	5
SW209	**321448-28**	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	6
SW209	**322245-27**	**01 May 2023**	<10	<50	<100	<100	<50	100	100	<0.005	<0.2	0.2	<0.05	0.01	12
SW209	**322245-28**	**01 May 2023**	<10	<50	<100	<100	<50	150	150	<0.005	<0.2	0.3	<0.05	0.009	16
SW209	**326273-25**	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	0.007	12
SW209	**326273-26**	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	0.007	9
SW209	**333594-23**	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.1	<0.05	<0.005	11
SW209	**333594-24**	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.1	<0.05	<0.005	8
SW209	**337868-23**	**14 Nov 2023**	<10	<50	<100	<100	<50	1&<10	1&<10	0.003	<0.2	0.1	<0.05	0.007	24
SW209	**337868-24**	**14 Nov 2023**	<10	<50	<100	<100	<50	<1	<1	<0.001	<0.2	0.1	<0.05	0.007	21

			TRH					Biological			Halogenated Benzenes	Inorganics			
			C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)
			µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L
EQL			10	50	100	100	50	1	1	0.001	0.2	0.1	0.05	0.005	5
Location Code	**Sample Code**	**Date**													
SW210	**312763-25**	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.009	9
SW210	**312763-26**	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.009	9
SW210	**314392-10**	**01 Jan 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	1.9	<0.05	0.007	43
SW210	**317305-29**	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	<0.001	<0.2	0.2	<0.05	0.009	8
SW210	**317305-30**	**21 Feb 2023**	<10	<50	<100	<100	<50	<1,000.0	<1,000.0	<0.001	<0.2	0.1	<0.05	0.01	8
SW210	**319307-13**	**20 Mar 2023**	<10	<50	<100	<100	<50	20^ A	20^ A	0.002	<0.2	0.2	0.1	0.008	120
SW210	**321448-29**	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	6
SW210	**321448-30**	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.1	<0.05	0.01	5
SW210	**322245-29**	**01 May 2023**	<10	<50	<100	<100	<50	190	190	<0.005	<0.2	0.3	<0.05	0.02	10
SW210	**322245-30**	**01 May 2023**	<10	<50	<100	<100	<50	270	270	<0.005	<0.2	0.3	<0.05	0.01	<5
SW210	**326273-27**	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.1	<0.1	0.005	10
SW210	**326273-28**	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	<0.1	<0.1	0.006	11
SW210	**327756-12**	**11 Jul 2023**	<10	<50	<100	<100	<50	<1	<1	<0.001	<0.2	<0.1	<0.05	<0.005	<5
SW210	**331844-12**	**30 Aug 2023**	<10	<50	<100	<100	<50	8A	8A	<0.001	<0.2	0.1	<0.1	<0.005	20
SW210	**333594-25**	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	0.003	<0.2	0.1	<0.05	<0.005	26
SW210	**333594-26**	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.1	<0.05	<0.005	22
SW210	**335606-12**	**17 Oct 2023**	<10	<50	<100	<100	<50	20^A	20^A	0.001	<0.2	0.1	<0.1	0.005	18
SW210	**337868-25**	**14 Nov 2023**	<10	<50	<100	<100	<50	<1	<1	0.001	<0.2	<0.1	<0.05	0.006	23
SW210	**337868-26**	**14 Nov 2023**	<10	<50	<100	<100	<50	<1	<1	0.002	<0.2	0.1	<0.05	0.006	16
SW211	**312763-27**	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	15
SW211	**312763-28**	**09 Dec 2022**	<10	<50	<100	<100	<50	10^A	10^A	0.002	<0.2	0.1	<0.1	0.01	72
SW211	**314392-11**	**01 Jan 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	12
SW211	**317305-31**	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	0.002	<0.2	0.1	<0.05	0.01	5
SW211	**317305-32**	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	0.001	<0.2	0.2	<0.05	0.01	7
SW211	**319307-14**	**20 Mar 2023**	<10	150	<100	<100	150	10 & >1	10 & >1	0.001	<0.2	0.2	<0.1	0.01	10
SW211	**321448-31**	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	6
SW211	**321448-32**	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	10
SW211	**322245-31**	**01 May 2023**	<10	<50	<100	<100	<50	220	220	<0.005	<0.2	0.3	<0.05	0.01	7
SW211	**322245-32**	**01 May 2023**	<10	<50	<100	<100	<50	140	140	<0.005	<0.2	0.3	<0.05	0.01	6
SW211	**326273-29**	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	<0.005	11
SW211	**326273-30**	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	0.005	13
SW211	**327756-13**	**11 Jul 2023**	<10	<50	<100	<100	<50	1^A	1^A	<0.001	<0.2	<0.1	<0.05	0.063	9
SW211	**331844-13**	**30 Aug 2023**	<10	<50	<100	<100	<50	1^A	1^A	<0.001	<0.2	0.2	<0.1	<0.005	18
SW211	**333594-27**	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.1	<0.05	<0.005	15
SW211	**333594-28**	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.1	<0.05	<0.005	14
SW211	**335606-13**	**17 Oct 2023**	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.2	<0.1	0.006	22
SW211	**337868-27**	**14 Nov 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.007	14
SW211	**337868-28**	**14 Nov 2023**	<10	<50	<100	<100	<50	<1	<1	<0.001	<0.2	0.1	<0.05	0.007	22

			TRH					Biological			Halogenated Benzenes	Inorganics			
			C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)
			µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L
EQL			10	50	100	100	50	1	1	0.001	0.2	0.1	0.05	0.005	5
Location Code	**Sample Code**	**Date**													
SW212	**312763-29**	**09 Dec 2022**	<10	<50	<100	<100	<50	10^A	10^A	<0.001	<0.2	0.1	<0.05	0.01	46
SW212	**312763-30**	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.2	<0.05	0.01	54
SW212	**317305-33**	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	0.001	<0.2	0.1	<0.05	0.008	7
SW212	**317305-34**	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	0.002	<0.2	0.1	<0.1	0.008	9
SW212	**321448-33**	**19 Apr 2023**	<10	<50	<100	<100	<50	10^ A	10^ A	<0.001	<0.2	0.1	<0.05	0.01	8
SW212	**321448-34**	**19 Apr 2023**	<10	<50	<100	<100	<50	90 A	90 A	<0.001	<0.2	0.1	<0.05	0.01	<5
SW212	**322245-33**	**01 May 2023**	<10	<50	<100	<100	<50	400 A	400 A	<0.005	<0.2	0.2	<0.05	0.02	8
SW212	**322245-34**	**01 May 2023**	<10	<50	<100	<100	<50	300 A	300 A	<0.005	<0.2	0.2	0.05	0.02	11
SW212	**326273-31**	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	0.006	12
SW212	**326273-32**	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	>0.1	0.006	8
SW212	**333594-29**	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	<0.1	<0.05	<0.005	14
SW212	**333594-30**	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	<0.1	<0.05	<0.005	14
SW212	**337868-29**	**14 Nov 2023**	<10	<50	<100	<100	<50	<100	<100	<0.001	<0.2	0.1	<0.05	0.007	27
SW212	**337868-30**	**14 Nov 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.006	18
SW213	**312763-31**	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.1	<0.05	0.01	<5
SW213	**312763-32**	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.1	<0.05	0.01	10
SW213	**317305-35**	**21 Feb 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	8
SW213	**317305-36**	**21 Feb 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.009	<5
SW213	**321448-35**	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	<5
SW213	**321448-36**	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	<5
SW213	**322245-35**	**01 May 2023**	<10	<50	<100	<100	<50	300 A	300 A	<0.005	<0.2	0.3	<0.05	0.02	<5
SW213	**322245-36**	**01 May 2023**	<10	<50	<100	<100	<50	300	300	<0.005	<0.2	0.3	<0.05	0.02	5
SW213	**326273-33**	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	<0.005	8
SW213	**326273-34**	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	0.006	8
SW213	**333594-31**	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.2	<0.05	<0.005	6
SW213	**333594-32**	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.1	<0.05	<0.005	6
SW213	**337868-31**	**14 Nov 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.007	22
SW213	**337868-32**	**14 Nov 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.006	22
SW214	**312763-33**	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.1	<0.05	0.008	20
SW214	**312763-34**	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	0.1	<0.05	0.006	20
SW214	**317305-37**	**21 Feb 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	0.01	13
SW214	**317305-38**	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	<0.001	<0.2	0.1	<0.05	0.01	<5
SW214	**321448-37**	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.2	<0.05	0.01	6
SW214	**321448-38**	**19 Apr 2023**	<10	<50	<100	<100	<50	<100	<100	<0.001	<0.2	0.1	<0.05	0.01	6
SW214	**322245-37**	**01 May 2023**	<10	<50	<100	<100	<50	800 A	800 A	<0.005	<0.2	0.3	<0.05	0.02	<5
SW214	**322245-38**	**01 May 2023**	<10	<50	<100	<100	<50	200 A	200 A	<0.005	<0.2	0.3	<0.05	0.02	5
SW214	**326273-35**	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	<0.005	12
SW214	**326273-36**	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	<0.005	20
SW214	**333594-33**	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	0.003	<0.2	0.2	<0.05	<0.005	12
SW214	**333594-34**	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	0.1	<0.05	<0.005	13
SW214	**337868-33**	**14 Nov 2023**	<10	<50	<100	<100	<50	6A	6A	0.001	<0.2	0.1	<0.05	0.007	26
SW214	**337868-34**	**14 Nov 2023**	<10	<50	<100	<100	<50	2^A	2^A	<0.001	<0.2	0.1	<0.05	0.007	18

			TRH					Biological			Halogenated Benzenes	Inorganics			
			C6-C10 Fraction (F1)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	Faecal Coliforms	E. Coli	Chlorophyll a	Hexachlorobenzene	Nitrogen (Total)	Total Phosphorus (Organic Phosphate)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Total Suspended Solids (Lab)
			µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100mL	cfu/100 ml	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L
EQL			10	50	100	100	50	1	1	0.001	0.2	0.1	0.05	0.005	5
Location Code	**Sample Code**	**Date**													
SW215	**312763-35**	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.2	<0.05	0.009	10
SW215	**312763-36**	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.05	0.01	7
SW215	**317305-39**	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	0.002	<0.2	0.1	<0.1	0.009	14
SW215	**317305-40**	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	0.002	<0.2	<0.1	<0.1	0.007	6
SW215	**321448-39**	**19 Apr 2023**	<10	<50	<100	<100	<50	20^ A	20^ A	<0.001	<0.2	<0.1	<0.5	0.01	<5
SW215	**321448-40**	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.5	0.008	5
SW215	**322245-39**	**01 May 2023**	<10	<50	<100	<100	<50	400 A	400 A	<0.005	<0.2	0.3	<0.05	0.02	<5
SW215	**322245-40**	**01 May 2023**	<10	<50	<100	<100	<50	600 A	600 A	<0.005	<0.2	0.3	<0.05	0.02	7
SW215	**326273-37**	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	<0.1	<0.1	0.008	9
SW215	**326273-38**	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	0.007	10
SW215	**333594-35**	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	0.007	<0.2	0.1	<0.05	<0.005	11
SW215	**333594-36**	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	<0.002	<0.2	<0.1	<0.05	<0.005	5
SW215	**337868-35**	**14 Nov 2023**	<10	<50	<100	<100	<50	1&<10	1&<10	0.001	<0.2	0.1	<0.05	0.008	20
SW215	**337868-36**	**14 Nov 2023**	<10	<50	<100	<100	<50	<100	<100	<0.001	<0.2	0.1	<0.05	0.007	26
SW216	**312763-37**	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	0.01	6
SW216	**312763-38**	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	<0.1	<0.1	0.01	<5
SW216	**317305-41**	**21 Feb 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.006	5
SW216	**317305-42**	**21 Feb 2023**	<10	<50	<100	<100	<50	<1,000.0	<1,000.0	<0.001	<0.2	<0.1	<0.1	0.006	8
SW216	**321448-41**	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.5	0.008	<5
SW216	**321448-42**	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	<0.1	<0.5	0.01	<5
SW216	**322245-41**	**01 May 2023**	<10	<50	<100	<100	<50	1,600.0	1,600.0	<0.005	<0.2	0.3	<0.05	0.02	6
SW216	**322245-42**	**01 May 2023**	<10	<50	<100	<100	<50	1,000 NBO	1,000 NBO	<0.005	<0.2	0.3	0.05	0.02	5
SW216	**326273-39**	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.007	10
SW216	**326273-40**	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.006	6
SW216	**333594-37**	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	0.004	<0.2	0.2	<0.05	<0.005	<5
SW216	**333594-38**	**19 Sep 2023**	<10	<50	<100	<100	<50	10^A	10^A	0.004	<0.2	<0.1	<0.05	<0.005	<5
SW216	**337868-37**	**14 Nov 2023**	<10	<50	<100	<100	<50	<1	<1	0.002	<0.2	0.1	<0.05	<0.005	28
SW216	**337868-38**	**14 Nov 2023**	<10	<50	<100	<100	<50	1&<10	1&<10	0.002	<0.2	0.1	<0.05	<0.005	24
SW217	**312763-39**	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	0.002	<0.2	<0.1	<0.1	0.009	<5
SW217	**312763-40**	**09 Dec 2022**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	<0.1	<0.1	0.008	14
SW217	**317305-43**	**21 Feb 2023**	<10	<50	<100	<100	<50	<1,000.0	<1,000.0	<0.001	<0.2	<0.1	<0.1	0.006	6
SW217	**317305-44**	**21 Feb 2023**	<10	<50	<100	<100	<50	<100	<100	0.001	<0.2	<0.1	<0.1	0.006	9
SW217	**321448-43**	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	<0.1	<0.5	0.009	<5
SW217	**321448-44**	**19 Apr 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.5	0.008	<5
SW217	**322245-43**	**01 May 2023**	<10	<50	<100	<100	<50	900 A	900 A	<0.005	<0.2	0.3	<0.05	0.02	<5
SW217	**322245-44**	**01 May 2023**	<10	<50	<100	<100	<50	900 A	900 A	<0.005	<0.2	0.3	0.05	0.02	6
SW217	**326273-41**	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.1	0.007	10
SW217	**326273-42**	**21 Jun 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	<0.1	<0.1	0.008	8
SW217	**333594-39**	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	0.004	<0.2	0.1	<0.05	<0.005	<5
SW217	**333594-40**	**19 Sep 2023**	<10	<50	<100	<100	<50	<10	<10	0.007	<0.2	<0.1	<0.05	<0.005	6
SW217	**337868-39**	**14 Nov 2023**	<10	<50	<100	<100	<50	<10	<10	<0.001	<0.2	0.1	<0.05	<0.005	24
SW217	**337868-40**	**14 Nov 2023**	<10	<50	<100	<100	<50	1&<10	1&<10	0.002	<0.2	<0.1	<0.05	0.007	18

Statistics

Number of Results	**256**	**256**	**256**	**256**	**256**	**256**	**256**	**256**	**256**	**256**	**256**	**256**	**256**	**256**
Number of Detects	**0**	**4**	**1**	**0**	**5**	**14**	**14**	**94**	**0**	**201**	**31**	**211**	**210**
Minimum Concentration	**<10**	**50**	**<100**	**<100**	**50**	**<1**	**<1**	**0.001**	**<0.2**	**0.1**	**0.05**	**0.005**	**5**
Maximum Concentration	**<10**	**150**	**160**	**<100**	**160**	**1,600**	**1,600**	**0.01**	**<0.2**	**1.9**	**<0.5**	**0.063**	**360**
Average Concentration *	**10**	**51**	**100**	**100**	**51**	**70**	**70**	**0.0021**	**0.2**	**0.16**	**0.08**	**0.0098**	**18**
Median Concentration *	**10**	**50**	**100**	**100**	**50**	**10**	**10**	**0.001**	**0.2**	**0.1**	**0.05**	**0.008**	**8**

* A Non Detect Multiplier of 1 has been applied.

			Metals								
			Aluminium	Arsenic	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL			0.01	0.001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Sample Code**	**Date**									
SW201	**312763-1**	**09 Dec 2022**	0.06	0.002	0.002	<0.001	0.12	<0.001	<0.00005	<0.001	0.001
SW201	**312763-10**	**09 Dec 2022**	0.06	0.002	0.001	<0.001	0.12	<0.001	<0.00005	<0.001	<0.001
SW201	**317305-11**	**21 Feb 2023**	0.08	0.002	<0.001	<0.001	0.21	<0.001	<0.00005	<0.001	0.002
SW201	**317305-12**	**21 Feb 2023**	0.11	0.002	<0.001	<0.001	0.24	<0.001	<0.00005	<0.001	0.002
SW201	**321448-11**	**19 Apr 2023**	0.06	0.001	<0.001	<0.001	0.14	<0.001	<0.00005	<0.001	0.001
SW201	**321448-12**	**19 Apr 2023**	0.03	0.001	<0.001	<0.001	0.08	<0.001	<0.00005	<0.001	0.001
SW201	**322245-11**	**01 May 2023**	0.1	0.001	<0.001	<0.001	0.3	<0.001	<0.00005	<0.001	0.005
SW201	**322245-12**	**01 May 2023**	0.09	0.001	<0.001	<0.001	0.29	<0.001	<0.00005	<0.001	0.002
SW201	**326273-11**	**21 Jun 2023**	0.03	0.001	<0.001	<0.001	0.053	<0.001	<0.00005	<0.001	<0.001
SW201	**326273-12**	**21 Jun 2023**	0.03	<0.001	<0.001	<0.001	0.036	<0.001	<0.00005	<0.001	0.002
SW201	**333594-9**	**19 Sep 2023**	0.1	0.002	<0.001	<0.001	0.24	<0.001	<0.00005	<0.001	0.012
SW201	**333594-10**	**19 Sep 2023**	0.12	0.002	<0.001	<0.001	0.25	<0.001	<0.00005	<0.001	0.004
SW201	**337868-9**	**14 Nov 2023**	0.12	0.001	<0.001	<0.001	0.25	<0.001	<0.00005	<0.001	0.003
SW201	**337868-10**	**14 Nov 2023**	0.1	0.001	<0.001	<0.001	0.22	<0.001	<0.00005	<0.001	0.002
SW202	**312763-11**	**09 Dec 2022**	0.08	0.002	0.002	<0.001	0.15	<0.001	<0.00005	<0.001	<0.001
SW202	**312763-12**	**09 Dec 2022**	0.07	0.002	0.001	<0.001	0.14	<0.001	<0.00005	<0.001	<0.001
SW202	**317305-13**	**21 Feb 2023**	0.07	0.001	<0.001	<0.001	0.17	<0.001	<0.00005	<0.001	<0.001
SW202	**317305-14**	**21 Feb 2023**	0.08	0.002	<0.001	0.001	0.16	<0.001	<0.00005	<0.001	0.001
SW202	**321448-13**	**19 Apr 2023**	0.06	0.002	<0.001	0.001	0.13	<0.001	<0.00005	<0.001	0.001
SW202	**321448-14**	**19 Apr 2023**	0.03	0.001	<0.001	<0.001	0.065	<0.001	<0.00005	<0.001	<0.001
SW202	**322245-13**	**01 May 2023**	0.12	0.001	<0.001	<0.001	0.27	<0.001	<0.00005	<0.001	0.019
SW202	**322245-14**	**01 May 2023**	0.13	0.002	<0.001	<0.001	0.31	<0.001	<0.00005	<0.001	0.001
SW202	**326273-13**	**21 Jun 2023**	0.05	<0.001	<0.001	<0.001	0.06	<0.001	<0.00005	<0.001	0.002
SW202	**326273-14**	**21 Jun 2023**	0.02	<0.001	<0.001	<0.001	0.037	<0.001	<0.00005	<0.001	0.001
SW202	**333594-11**	**19 Sep 2023**	0.11	0.002	<0.001	<0.001	0.8	0.002	<0.00005	<0.001	0.048
SW202	**333594-12**	**19 Sep 2023**	0.55	0.002	<0.001	<0.001	0.27	<0.001	<0.00005	<0.001	0.006
SW202	**337868-11**	**14 Nov 2023**	0.09	0.001	<0.001	<0.001	0.21	<0.001	<0.00005	<0.001	<0.001
SW202	**337868-12**	**14 Nov 2023**	0.04	0.001	<0.001	<0.001	0.25	<0.001	<0.00005	<0.001	0.006
SW203	**312763-13**	**09 Dec 2022**	0.13	0.002	0.002	<0.001	0.21	<0.001	<0.00005	<0.001	0.019
SW203	**312763-14**	**09 Dec 2022**	0.13	0.002	0.002	<0.001	0.25	<0.001	<0.00005	<0.001	<0.001
SW203	**317305-15**	**21 Feb 2023**	0.11	0.002	<0.001	0.001	0.19	<0.001	<0.00005	<0.001	0.002
SW203	**317305-16**	**21 Feb 2023**	0.08	0.002	<0.001	<0.001	0.19	<0.001	<0.00005	<0.001	0.001
SW203	**321448-15**	**19 Apr 2023**	0.06	0.002	<0.001	0.002	0.09	<0.001	<0.00005	<0.001	0.004
SW203	**321448-16**	**19 Apr 2023**	0.04	0.002	<0.001	<0.001	0.059	<0.001	<0.00005	<0.001	0.002
SW203	**322245-15**	**01 May 2023**	0.15	0.001	<0.001	<0.001	0.3	<0.001	<0.00005	<0.001	0.001
SW203	**322245-16**	**01 May 2023**	0.11	0.002	<0.001	<0.001	0.26	<0.001	<0.00005	<0.001	0.002
SW203	**326273-15**	**21 Jun 2023**	0.03	<0.001	<0.001	<0.001	0.04	<0.001	<0.00005	<0.001	0.002
SW203	**326273-16**	**21 Jun 2023**	0.04	<0.001	<0.001	<0.001	0.04	<0.001	<0.00005	<0.001	0.002
SW203	**333594-13**	**19 Sep 2023**	0.17	0.002	<0.001	<0.001	0.34	<0.001	<0.00005	<0.001	0.003
SW203	**333594-14**	**19 Sep 2023**	0.15	0.002	<0.001	<0.001	0.35	<0.001	<0.00005	<0.001	0.01
SW203	**337868-13**	**14 Nov 2023**	0.03	0.001	<0.001	<0.001	0.06	<0.001	<0.00005	<0.001	0.003
SW203	**337868-14**	**14 Nov 2023**	0.07	0.001	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	0.002

			Metals								
			Aluminium	Arsenic	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL			0.01	0.001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Sample Code**	**Date**									
SW204	**312763-15**	**09 Dec 2022**	0.58	0.002	0.002	0.001	1.8	<0.001	<0.00005	<0.001	0.009
SW204	**312763-16**	**09 Dec 2022**	0.37	0.002	0.002	0.001	0.84	<0.001	<0.00005	<0.001	0.01
SW204	**317305-17**	**23 Feb 2023**	1.8	0.004	0.002	0.002	2.8	0.001	<0.00005	<0.001	0.006
SW204	**317305-18**	**23 Feb 2023**	0.29	0.002	0.001	<0.001	0.56	<0.001	<0.00005	<0.001	0.002
SW204	**321448-17**	**19 Apr 2023**	1.2	0.004	0.003	0.001	2.2	0.001	<0.00005	<0.001	0.005
SW204	**321448-18**	**19 Apr 2023**	2.8	0.005	0.005	0.003	4.1	0.003	<0.00005	<0.001	0.014
SW204	**322245-17**	**01 May 2023**	3.3	0.005	0.005	0.003	5.4	0.003	<0.00005	<0.001	0.014
SW204	**322245-18**	**01 May 2023**	0.6	0.002	<0.001	0.001	0.96	<0.001	<0.00005	<0.001	0.005
SW204	**333594-58**	**20 Sep 2023**	0.72	0.003	0.001	0.001	2.4	<0.001	<0.00005	<0.001	0.006
SW204	**333594-59**	**20 Sep 2023**	0.45	0.003	<0.001	0.002	0.99	<0.001	<0.00005	<0.001	0.006
SW204	**337868-58**	**15 Nov 2023**	0.16	0.001	<0.001	<0.001	0.34	<0.001	<0.00005	<0.001	0.002
SW204	**337868-59**	**15 Nov 2023**	0.39	0.004	<0.001	0.003	3.5	<0.001	<0.00005	<0.001	0.005
SW205	**312763-17**	**09 Dec 2022**	0.08	0.002	0.002	<0.001	0.12	<0.001	<0.00005	<0.001	<0.001
SW205	**312763-18**	**09 Dec 2022**	0.08	0.002	0.001	<0.001	0.13	<0.001	<0.00005	<0.001	<0.001
SW205	**314392-8**	**01 Jan 2023**	0.15	0.002	0.002	<0.001	0.2	<0.001	<0.00005	<0.001	0.007
SW205	**317305-19**	**21 Feb 2023**	0.04	0.001	<0.001	<0.001	0.091	<0.001	<0.00005	<0.001	0.002
SW205	**317305-20**	**21 Feb 2023**	0.04	0.001	<0.001	<0.001	0.084	<0.001	<0.00005	<0.001	<0.001
SW205	**319307-11**	**20 Mar 2023**	0.07	0.001	<0.001	<0.001	0.19	<0.001	<0.00005	<0.001	0.004
SW205	**321448-19**	**19 Apr 2023**	0.04	0.002	<0.001	<0.001	0.064	<0.001	<0.00005	<0.001	0.003
SW205	**321448-20**	**19 Apr 2023**	0.11	0.002	0.001	<0.001	0.18	<0.001	<0.00005	<0.001	0.001
SW205	**322245-19**	**01 May 2023**	0.2	0.001	<0.001	<0.001	0.34	<0.001	<0.00005	<0.001	0.001
SW205	**322245-20**	**01 May 2023**	0.16	0.001	<0.001	<0.001	0.36	<0.001	<0.00005	<0.001	0.006
SW205	**326273-17**	**20 Jun 2023**	0.03	<0.001	<0.001	<0.001	0.048	<0.001	<0.00005	<0.001	0.001
SW205	**326273-18**	**20 Jun 2023**	0.37	0.001	<0.001	<0.001	0.7	<0.001	<0.00005	<0.001	0.003
SW205	**327756-10**	**11 Jul 2023**	0.09	<0.002	<0.002	<0.002	0.17	<0.002	<0.00005	<0.002	0.003
SW205	**331844-10**	**30 Aug 2023**	0.22	0.002	0.001	<0.001	0.54	<0.001	<0.00005	<0.001	0.003
SW205	**333594-15**	**19 Sep 2023**	0.06	0.002	<0.001	<0.001	0.11	<0.001	<0.00005	<0.001	0.002
SW205	**333594-16**	**19 Sep 2023**	0.06	0.002	<0.001	<0.001	0.13	<0.001	<0.00005	<0.001	0.001
SW205	**335606-10**	**17 Oct 2023**	0.11	0.001	<0.001	<0.001	0.25	<0.001	<0.00005	<0.001	0.016
SW205	**337868-15**	**14 Nov 2023**	0.08	0.001	<0.001	<0.001	0.15	<0.001	<0.00005	<0.001	<0.001
SW205	**337868-16**	**14 Nov 2023**	0.08	0.001	<0.001	<0.001	0.15	<0.001	<0.00005	<0.001	<0.001
SW206	**312763-19**	**09 Dec 2022**	0.05	0.002	0.002	<0.001	0.098	<0.001	<0.00005	<0.001	0.01
SW206	**312763-20**	**09 Dec 2022**	0.07	0.002	0.001	<0.001	0.094	<0.001	<0.00005	<0.001	<0.001
SW206	**317305-21**	**21 Feb 2023**	0.07	0.001	<0.001	<0.001	0.12	<0.001	<0.00005	<0.001	0.005
SW206	**317305-22**	**21 Feb 2023**	0.08	0.002	<0.001	<0.001	0.13	<0.001	<0.00005	<0.001	<0.001
SW206	**321448-21**	**19 Apr 2023**	0.07	0.002	<0.001	<0.001	0.12	<0.001	<0.00005	<0.001	<0.001
SW206	**321448-22**	**19 Apr 2023**	0.07	0.002	<0.001	<0.001	0.1	<0.001	<0.00005	<0.001	0.001
SW206	**322245-21**	**01 May 2023**	0.25	0.001	<0.001	0.006	0.45	<0.001	<0.00005	<0.001	0.004
SW206	**322245-22**	**01 May 2023**	0.27	0.002	<0.001	<0.001	0.57	<0.001	<0.00005	<0.001	0.004
SW206	**326273-19**	**20 Jun 2023**	0.22	0.001	<0.001	<0.001	0.39	<0.001	<0.00005	<0.001	0.002
SW206	**326273-20**	**20 Jun 2023**	0.09	<0.001	<0.001	<0.001	0.17	<0.001	<0.00005	<0.001	0.005
SW206	**333594-17**	**19 Sep 2023**	0.03	0.002	<0.001	<0.001	0.14	<0.001	<0.00005	<0.001	0.002
SW206	**333594-18**	**19 Sep 2023**	0.08	0.002	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	0.002
SW206	**337868-17**	**14 Nov 2023**	0.04	0.001	<0.001	<0.001	0.07	<0.001	<0.00005	<0.001	0.001
SW206	**337868-18**	**14 Nov 2023**	0.03	0.001	<0.001	<0.001	0.06	<0.001	<0.00005	<0.001	<0.001

			Metals								
			Aluminium	Arsenic	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL			0.01	0.001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Sample Code**	**Date**									
SW207	**312763-21**	**09 Dec 2022**	0.11	0.002	0.001	0.001	0.14	<0.001	<0.00005	<0.001	0.005
SW207	**312763-58**	**09 Dec 2022**	0.09	0.001	<0.001	0.002	0.16	<0.001	<0.00005	<0.001	0.002
SW207	**314392-9**	**01 Jan 2023**	0.17	0.001	0.001	<0.001	0.22	<0.001	<0.00005	<0.001	0.01
SW207	**317305-23**	**21 Feb 2023**	0.1	0.002	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	<0.001
SW207	**317305-24**	**21 Feb 2023**	0.09	0.002	<0.001	<0.001	0.14	<0.001	<0.00005	<0.001	<0.001
SW207	**319307-12**	**20 Mar 2023**	2	0.006	0.004	0.002	4.7	0.003	<0.00005	<0.001	0.016
SW207	**321448-23**	**19 Apr 2023**	0.08	0.002	<0.001	<0.001	0.13	<0.001	<0.00005	<0.001	0.001
SW207	**321448-24**	**19 Apr 2023**	0.08	0.002	<0.001	<0.001	0.12	<0.001	<0.00005	<0.001	0.004
SW207	**322245-23**	**01 May 2023**	0.11	0.001	<0.001	<0.001	0.21	<0.001	<0.00005	<0.001	<0.001
SW207	**322245-24**	**01 May 2023**	0.12	<0.001	<0.001	<0.001	0.23	<0.001	<0.00005	<0.001	0.002
SW207	**326273-21**	**21 Jun 2023**	0.02	<0.001	<0.001	<0.001	0.04	<0.001	<0.00005	<0.001	0.001
SW207	**326273-22**	**21 Jun 2023**	0.03	0.001	<0.001	<0.001	0.045	<0.001	<0.00005	<0.001	0.003
SW207	**327756-11**	**11 Jul 2023**	0.05	<0.002	<0.002	<0.002	0.11	<0.002	<0.00005	<0.002	0.003
SW207	**331844-11**	**30 Aug 2023**	0.06	0.001	<0.001	<0.001	0.13	<0.001	<0.00005	<0.001	0.002
SW207	**333594-19**	**19 Sep 2023**	0.06	0.002	<0.001	<0.001	0.13	<0.001	<0.00005	<0.001	0.001
SW207	**333594-20**	**19 Sep 2023**	0.09	0.002	<0.001	<0.001	0.18	<0.001	<0.00005	<0.001	0.002
SW207	**335606-11**	**17 Oct 2023**	0.08	0.001	<0.001	<0.001	0.15	<0.001	<0.00005	<0.001	0.013
SW207	**337868-19**	**14 Nov 2023**	0.04	0.001	<0.001	<0.001	0.08	<0.001	<0.00005	<0.001	0.001
SW207	**337868-20**	**14 Nov 2023**	0.04	0.001	<0.001	<0.001	0.09	<0.001	<0.00005	<0.001	<0.001
SW208	**312763-22**	**09 Dec 2022**	0.08	0.002	0.001	<0.001	0.12	<0.001	<0.00005	<0.001	<0.001
SW208	**312763-59**	**09 Dec 2022**	0.06	0.001	<0.001	<0.001	0.1	<0.001	<0.00005	<0.001	<0.001
SW208	**317305-25**	**21 Feb 2023**	0.08	0.001	<0.001	<0.001	0.15	<0.001	<0.00005	<0.001	0.001
SW208	**317305-26**	**21 Feb 2023**	0.08	0.002	<0.001	<0.001	0.14	<0.001	<0.00005	<0.001	<0.001
SW208	**321448-25**	**19 Apr 2023**	0.09	0.002	0.001	<0.001	0.12	<0.001	<0.00005	<0.001	0.004
SW208	**321448-26**	**19 Apr 2023**	0.09	0.002	<0.001	<0.001	0.12	<0.001	<0.00005	<0.001	0.002
SW208	**322245-25**	**01 May 2023**	0.13	<0.001	<0.001	<0.001	0.21	<0.001	<0.00005	<0.001	0.001
SW208	**322245-26**	**01 May 2023**	0.12	0.001	<0.001	<0.001	0.24	<0.001	<0.00005	<0.001	<0.001
SW208	**326273-23**	**21 Jun 2023**	0.02	0.001	<0.001	<0.001	0.034	<0.001	<0.00005	<0.001	0.002
SW208	**326273-24**	**21 Jun 2023**	0.05	0.001	<0.001	<0.001	0.054	<0.001	<0.00005	<0.001	0.003
SW208	**333594-21**	**19 Sep 2023**	0.09	0.002	<0.001	<0.001	0.18	<0.001	<0.00005	<0.001	<0.001
SW208	**333594-22**	**19 Sep 2023**	0.11	0.002	<0.001	<0.001	0.21	<0.001	<0.00005	<0.001	0.002
SW208	**337868-21**	**14 Nov 2023**	0.04	0.001	<0.001	<0.001	0.06	<0.001	<0.00005	<0.001	<0.001
SW208	**337868-22**	**14 Nov 2023**	0.03	0.001	<0.001	<0.001	0.07	<0.001	<0.00005	<0.001	<0.001
SW209	**312763-23**	**09 Dec 2022**	0.13	0.001	0.001	<0.001	0.19	<0.001	<0.00005	<0.001	<0.001
SW209	**312763-24**	**09 Dec 2022**	0.12	0.002	0.001	<0.001	0.19	<0.001	<0.00005	<0.001	0.002
SW209	**317305-27**	**21 Feb 2023**	0.12	0.002	<0.001	<0.001	0.22	<0.001	<0.00005	<0.001	0.002
SW209	**317305-28**	**21 Feb 2023**	0.12	0.002	<0.001	<0.001	0.2	<0.001	<0.00005	<0.001	<0.001
SW209	**321448-27**	**19 Apr 2023**	0.08	0.002	<0.001	<0.001	0.11	<0.001	<0.00005	<0.001	0.002
SW209	**321448-28**	**19 Apr 2023**	0.06	0.002	<0.001	<0.001	0.11	<0.001	<0.00005	<0.001	<0.001
SW209	**322245-27**	**01 May 2023**	0.22	0.001	<0.001	<0.001	0.42	<0.001	<0.00005	<0.001	0.002
SW209	**322245-28**	**01 May 2023**	0.24	0.002	<0.001	<0.001	0.5	<0.001	<0.00005	<0.001	0.004
SW209	**326273-25**	**21 Jun 2023**	0.03	<0.001	<0.001	<0.001	0.058	<0.001	<0.00005	<0.001	0.002
SW209	**326273-26**	**21 Jun 2023**	0.04	0.001	<0.001	<0.001	0.051	<0.001	<0.00005	<0.001	0.002
SW209	**333594-23**	**19 Sep 2023**	0.16	0.002	<0.001	<0.001	0.22	<0.001	<0.00005	<0.001	0.001
SW209	**333594-24**	**19 Sep 2023**	0.13	0.002	<0.001	<0.001	0.25	<0.001	<0.00005	<0.001	0.001
SW209	**337868-23**	**14 Nov 2023**	0.05	0.001	<0.001	<0.001	0.08	<0.001	<0.00005	<0.001	0.001
SW209	**337868-24**	**14 Nov 2023**	0.04	<0.001	<0.001	<0.001	0.07	<0.001	<0.00005	<0.001	<0.001

			Metals								
			Aluminium	Arsenic	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL			0.01	0.001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Sample Code**	**Date**									
SW210	**312763-25**	**09 Dec 2022**	0.1	0.001	0.002	<0.001	0.2	<0.001	<0.00005	<0.001	0.001
SW210	**312763-26**	**09 Dec 2022**	0.12	0.002	0.001	<0.001	0.19	<0.001	<0.00005	<0.001	<0.001
SW210	**314392-10**	**01 Jan 2023**	0.09	0.001	<0.001	<0.001	0.14	<0.001	<0.00005	<0.001	0.002
SW210	**317305-29**	**21 Feb 2023**	0.11	0.001	<0.001	<0.001	0.2	<0.001	<0.00005	<0.001	<0.001
SW210	**317305-30**	**21 Feb 2023**	0.11	0.001	<0.001	<0.001	0.23	<0.001	<0.00005	<0.001	<0.001
SW210	**319307-13**	**20 Mar 2023**	1.1	0.004	0.003	0.001	3.1	0.002	<0.00005	<0.001	0.011
SW210	**321448-29**	**19 Apr 2023**	0.1	0.002	<0.001	<0.001	0.17	<0.001	<0.00005	<0.001	0.001
SW210	**321448-30**	**19 Apr 2023**	0.22	0.002	0.001	<0.001	0.41	<0.001	<0.00005	<0.001	0.002
SW210	**322245-29**	**01 May 2023**	0.09	0.001	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	0.002
SW210	**322245-30**	**01 May 2023**	0.08	0.001	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	0.004
SW210	**326273-27**	**21 Jun 2023**	0.03	0.001	<0.001	<0.001	0.064	<0.001	<0.00005	<0.001	0.002
SW210	**326273-28**	**21 Jun 2023**	0.08	0.001	<0.001	<0.001	0.14	<0.001	<0.00005	<0.001	<0.001
SW210	**327756-12**	**11 Jul 2023**	0.07	<0.002	<0.002	<0.002	0.11	<0.002	<0.00005	<0.002	0.005
SW210	**331844-12**	**30 Aug 2023**	0.22	0.002	0.001	0.001	0.61	<0.001	<0.00005	<0.001	0.004
SW210	**333594-25**	**19 Sep 2023**	0.26	0.002	<0.001	<0.001	0.53	<0.001	<0.00005	<0.001	0.003
SW210	**333594-26**	**19 Sep 2023**	0.24	0.002	<0.001	<0.001	0.62	<0.001	<0.00005	<0.001	0.003
SW210	**335606-12**	**17 Oct 2023**	0.29	0.002	0.001	<0.001	0.69	<0.001	<0.00005	<0.001	0.024
SW210	**337868-25**	**14 Nov 2023**	0.11	0.001	<0.001	<0.001	0.2	<0.001	<0.00005	<0.001	0.001
SW210	**337868-26**	**14 Nov 2023**	0.03	0.001	<0.001	<0.001	0.08	<0.001	<0.00005	<0.001	<0.001
SW211	**312763-27**	**09 Dec 2022**	0.18	0.002	0.001	<0.001	0.26	<0.001	<0.00005	<0.001	0.001
SW211	**312763-28**	**09 Dec 2022**	0.19	0.002	0.001	<0.001	0.32	<0.001	<0.00005	<0.001	<0.001
SW211	**314392-11**	**01 Jan 2023**	0.18	0.002	0.001	<0.001	0.25	<0.001	<0.00005	<0.001	0.002
SW211	**317305-31**	**21 Feb 2023**	0.1	0.001	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	<0.001
SW211	**317305-32**	**21 Feb 2023**	0.09	0.001	<0.001	<0.001	0.17	<0.001	<0.00005	<0.001	<0.001
SW211	**319307-14**	**20 Mar 2023**	0.11	0.002	<0.001	<0.001	0.22	<0.001	<0.00005	<0.001	<0.001
SW211	**321448-31**	**19 Apr 2023**	0.11	0.002	0.001	<0.001	0.21	<0.001	<0.00005	<0.001	0.003
SW211	**321448-32**	**19 Apr 2023**	0.12	0.002	<0.001	<0.001	0.18	<0.001	<0.00005	<0.001	0.004
SW211	**322245-31**	**01 May 2023**	0.15	0.001	0.004	<0.001	0.66	<0.001	<0.00005	<0.001	0.007
SW211	**322245-32**	**01 May 2023**	0.1	0.001	<0.001	<0.001	0.22	<0.001	<0.00005	<0.001	0.003
SW211	**326273-29**	**21 Jun 2023**	0.11	0.001	0.001	<0.001	0.17	<0.001	<0.00005	<0.001	0.003
SW211	**326273-30**	**21 Jun 2023**	0.07	0.001	0.001	<0.001	0.14	<0.001	<0.00005	<0.001	0.003
SW211	**327756-13**	**11 Jul 2023**	0.14	<0.002	<0.002	<0.002	0.25	<0.002	<0.00005	<0.002	0.002
SW211	**331844-13**	**30 Aug 2023**	0.24	0.002	0.001	0.001	0.51	<0.001	<0.00005	<0.001	0.005
SW211	**333594-27**	**19 Sep 2023**	0.23	0.002	<0.001	<0.001	0.45	<0.001	<0.00005	<0.001	0.001
SW211	**333594-28**	**19 Sep 2023**	0.24	0.002	<0.001	<0.001	0.45	<0.001	<0.00005	<0.001	0.008
SW211	**335606-13**	**17 Oct 2023**	0.29	0.002	0.001	0.001	0.58	<0.001	<0.00005	<0.001	0.006
SW211	**337868-27**	**14 Nov 2023**	0.07	0.001	<0.001	<0.001	0.15	<0.001	<0.00005	<0.001	0.001
SW211	**337868-28**	**14 Nov 2023**	0.04	0.001	<0.001	<0.001	0.06	<0.001	<0.00005	<0.001	<0.001

			Metals								
			Aluminium	Arsenic	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL			0.01	0.001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Sample Code**	**Date**									
SW212	**312763-29**	**09 Dec 2022**	0.16	0.002	0.001	<0.001	0.21	<0.001	<0.00005	<0.001	<0.001
SW212	**312763-30**	**09 Dec 2022**	0.12	0.001	<0.001	<0.001	0.2	<0.001	<0.00005	<0.001	<0.001
SW212	**317305-33**	**21 Feb 2023**	0.09	0.002	<0.001	<0.001	0.19	<0.001	<0.00005	<0.001	<0.001
SW212	**317305-34**	**21 Feb 2023**	0.11	0.001	<0.001	<0.001	0.22	<0.001	<0.00005	<0.001	<0.001
SW212	**321448-33**	**19 Apr 2023**	0.09	0.002	<0.001	<0.001	0.15	<0.001	<0.00005	<0.001	0.002
SW212	**321448-34**	**19 Apr 2023**	0.08	0.001	<0.001	<0.001	0.13	<0.001	<0.00005	<0.001	0.004
SW212	**322245-33**	**01 May 2023**	0.07	0.001	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	0.003
SW212	**322245-34**	**01 May 2023**	0.09	<0.001	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	0.003
SW212	**326273-31**	**21 Jun 2023**	0.03	0.001	0.001	<0.001	0.054	<0.001	<0.00005	<0.001	0.045
SW212	**326273-32**	**21 Jun 2023**	0.03	0.001	0.001	<0.001	0.083	<0.001	<0.00005	<0.001	0.002
SW212	**333594-29**	**19 Sep 2023**	0.09	0.002	<0.001	<0.001	0.21	<0.001	<0.00005	<0.001	0.002
SW212	**333594-30**	**19 Sep 2023**	0.13	0.002	<0.001	<0.001	0.29	<0.001	<0.00005	<0.001	0.002
SW212	**337868-29**	**14 Nov 2023**	0.04	0.001	<0.001	<0.001	0.08	<0.001	<0.00005	<0.001	<0.001
SW212	**337868-30**	**14 Nov 2023**	0.05	0.001	<0.001	<0.001	0.12	<0.001	<0.00005	<0.001	<0.001
SW213	**312763-31**	**09 Dec 2022**	0.1	0.002	0.001	<0.001	0.19	<0.001	<0.00005	<0.001	<0.001
SW213	**312763-32**	**09 Dec 2022**	0.1	0.001	0.001	<0.001	0.18	<0.001	<0.00005	<0.001	0.005
SW213	**317305-35**	**21 Feb 2023**	0.1	0.001	<0.001	<0.001	0.17	<0.001	<0.00005	<0.001	<0.001
SW213	**317305-36**	**21 Feb 2023**	0.1	0.001	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	<0.001
SW213	**321448-35**	**19 Apr 2023**	0.09	0.002	0.001	<0.001	0.15	<0.001	<0.00005	<0.001	0.004
SW213	**321448-36**	**19 Apr 2023**	0.05	0.002	<0.001	<0.001	0.072	<0.001	<0.00005	<0.001	0.002
SW213	**322245-35**	**01 May 2023**	0.09	0.001	<0.001	<0.001	0.17	<0.001	<0.00005	<0.001	0.002
SW213	**322245-36**	**01 May 2023**	0.07	<0.001	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	0.005
SW213	**326273-33**	**21 Jun 2023**	0.04	0.001	0.001	<0.001	0.076	<0.001	<0.00005	<0.001	0.004
SW213	**326273-34**	**21 Jun 2023**	0.04	0.001	0.001	<0.001	0.084	<0.001	<0.00005	<0.001	0.002
SW213	**333594-31**	**19 Sep 2023**	0.06	0.002	<0.001	<0.001	0.11	<0.001	<0.00005	<0.001	0.001
SW213	**333594-32**	**19 Sep 2023**	0.08	0.002	<0.001	<0.001	0.11	<0.001	<0.00005	<0.001	0.003
SW213	**337868-31**	**14 Nov 2023**	0.05	0.001	<0.001	<0.001	0.08	<0.001	<0.00005	<0.001	0.002
SW213	**337868-32**	**14 Nov 2023**	0.05	0.001	<0.001	<0.001	0.08	<0.001	<0.00005	<0.001	<0.001
SW214	**312763-33**	**09 Dec 2022**	0.32	0.002	0.001	<0.001	0.48	<0.001	<0.00005	<0.001	<0.001
SW214	**312763-34**	**09 Dec 2022**	0.3	0.002	0.001	<0.001	0.53	<0.001	<0.00005	<0.001	0.002
SW214	**317305-37**	**21 Feb 2023**	0.09	0.001	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	<0.001
SW214	**317305-38**	**21 Feb 2023**	0.09	0.001	<0.001	<0.001	0.15	<0.001	<0.00005	<0.001	<0.001
SW214	**321448-37**	**19 Apr 2023**	0.09	0.002	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	0.002
SW214	**321448-38**	**19 Apr 2023**	0.11	0.002	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	<0.001
SW214	**322245-37**	**01 May 2023**	0.09	0.001	<0.001	<0.001	0.15	<0.001	<0.00005	<0.001	0.001
SW214	**322245-38**	**01 May 2023**	0.07	<0.001	<0.001	<0.001	0.15	<0.001	<0.00005	<0.001	0.002
SW214	**326273-35**	**21 Jun 2023**	0.06	0.001	0.001	<0.001	0.12	<0.001	<0.00005	<0.001	0.002
SW214	**326273-36**	**21 Jun 2023**	0.05	0.001	0.002	<0.001	0.16	<0.001	<0.00005	<0.001	0.002
SW214	**333594-33**	**19 Sep 2023**	0.18	0.002	<0.001	<0.001	0.32	<0.001	<0.00005	<0.001	0.002
SW214	**333594-34**	**19 Sep 2023**	0.11	0.002	<0.001	<0.001	0.2	<0.001	<0.00005	<0.001	0.003
SW214	**337868-33**	**14 Nov 2023**	0.06	0.001	<0.001	<0.001	0.1	<0.001	<0.00005	<0.001	<0.001
SW214	**337868-34**	**14 Nov 2023**	0.07	0.001	<0.001	<0.001	0.11	<0.001	<0.00005	<0.001	0.002

			Metals								
			Aluminium	Arsenic	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL			0.01	0.001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Location Code	**Sample Code**	**Date**									
SW215	**312763-35**	**09 Dec 2022**	0.12	0.002	0.001	0.001	0.19	<0.001	<0.00005	<0.001	0.003
SW215	**312763-36**	**09 Dec 2022**	0.1	0.002	0.001	<0.001	0.15	<0.001	<0.00005	<0.001	0.005
SW215	**317305-39**	**21 Feb 2023**	0.05	0.001	<0.001	<0.001	0.075	<0.001	<0.00005	<0.001	<0.001
SW215	**317305-40**	**21 Feb 2023**	0.06	0.001	<0.001	<0.001	0.12	<0.001	<0.00005	<0.001	<0.001
SW215	**321448-39**	**19 Apr 2023**	0.06	0.002	0.001	<0.001	0.086	<0.001	<0.00005	<0.001	0.002
SW215	**321448-40**	**19 Apr 2023**	0.07	0.002	<0.001	<0.001	0.1	<0.001	<0.00005	<0.001	0.003
SW215	**322245-39**	**01 May 2023**	0.12	0.001	<0.001	<0.001	0.22	<0.001	<0.00005	<0.001	0.004
SW215	**322245-40**	**01 May 2023**	0.1	0.001	<0.001	<0.001	0.22	<0.001	<0.00005	<0.001	0.004
SW215	**326273-37**	**21 Jun 2023**	0.03	0.001	0.001	<0.001	0.044	<0.001	<0.00005	<0.001	0.002
SW215	**326273-38**	**21 Jun 2023**	0.02	0.001	0.001	<0.001	0.054	<0.001	<0.00005	<0.001	0.002
SW215	**333594-35**	**19 Sep 2023**	0.04	0.002	<0.001	<0.001	0.07	<0.001	<0.00005	<0.001	0.001
SW215	**333594-36**	**19 Sep 2023**	0.03	0.002	<0.001	<0.001	0.06	<0.001	<0.00005	<0.001	<0.001
SW215	**337868-35**	**14 Nov 2023**	0.02	0.001	<0.001	<0.001	0.04	<0.001	<0.00005	<0.001	<0.001
SW215	**337868-36**	**14 Nov 2023**	0.02	0.001	<0.001	<0.001	0.05	<0.001	<0.00005	<0.001	<0.001
SW216	**312763-37**	**09 Dec 2022**	0.01	0.002	0.001	<0.001	0.02	<0.001	<0.00005	<0.001	<0.001
SW216	**312763-38**	**09 Dec 2022**	0.01	0.002	0.001	<0.001	0.023	<0.001	<0.00005	<0.001	<0.001
SW216	**317305-41**	**21 Feb 2023**	0.04	0.002	<0.001	<0.001	0.07	<0.001	<0.00005	<0.001	<0.001
SW216	**317305-42**	**21 Feb 2023**	0.04	0.002	<0.001	<0.001	0.075	<0.001	<0.00005	<0.001	0.002
SW216	**321448-41**	**19 Apr 2023**	0.03	0.002	<0.001	<0.001	0.042	<0.001	<0.00005	<0.001	0.002
SW216	**321448-42**	**19 Apr 2023**	0.05	0.002	<0.001	<0.001	0.078	<0.001	<0.00005	<0.001	0.002
SW216	**322245-41**	**01 May 2023**	0.13	<0.001	<0.001	<0.001	0.21	<0.001	<0.00005	<0.001	0.004
SW216	**322245-42**	**01 May 2023**	0.11	0.001	<0.001	<0.001	0.21	<0.001	<0.00005	<0.001	<0.001
SW216	**326273-39**	**21 Jun 2023**	0.02	0.001	0.001	<0.001	0.039	<0.001	<0.00005	<0.001	0.004
SW216	**326273-40**	**21 Jun 2023**	0.03	0.002	0.002	<0.001	0.056	<0.001	<0.00005	<0.001	0.002
SW216	**333594-37**	**19 Sep 2023**	0.03	0.002	<0.001	<0.001	0.04	<0.001	<0.00005	<0.001	0.005
SW216	**333594-38**	**19 Sep 2023**	0.01	0.002	<0.001	<0.001	0.02	<0.001	<0.00005	<0.001	0.002
SW216	**337868-37**	**14 Nov 2023**	0.02	0.001	<0.001	<0.001	0.05	<0.001	<0.00005	<0.001	<0.001
SW216	**337868-38**	**14 Nov 2023**	0.02	0.001	<0.001	<0.001	0.04	<0.001	<0.00005	<0.001	0.002
SW217	**312763-39**	**09 Dec 2022**	0.02	0.002	<0.001	<0.001	0.036	<0.001	<0.00005	<0.001	<0.001
SW217	**312763-40**	**09 Dec 2022**	0.02	0.002	<0.001	<0.001	0.034	<0.001	<0.00005	<0.001	<0.001
SW217	**317305-43**	**21 Feb 2023**	0.07	0.002	<0.001	<0.001	0.16	<0.001	<0.00005	<0.001	<0.001
SW217	**317305-44**	**21 Feb 2023**	0.07	0.002	<0.001	<0.001	0.14	<0.001	<0.00005	<0.001	<0.001
SW217	**321448-43**	**19 Apr 2023**	0.07	0.002	0.001	0.002	0.092	<0.001	<0.00005	<0.001	0.002
SW217	**321448-44**	**19 Apr 2023**	0.07	0.002	<0.001	<0.001	0.11	<0.001	<0.00005	<0.001	0.003
SW217	**322245-43**	**01 May 2023**	0.1	<0.001	<0.001	<0.001	0.19	<0.001	<0.00005	<0.001	0.002
SW217	**322245-44**	**01 May 2023**	0.09	0.001	<0.001	<0.001	0.15	<0.001	<0.00005	<0.001	0.004
SW217	**326273-41**	**21 Jun 2023**	0.03	0.002	0.001	<0.001	0.048	<0.001	<0.00005	<0.001	0.002
SW217	**326273-42**	**21 Jun 2023**	0.02	0.002	0.001	<0.001	0.049	<0.001	<0.00005	<0.001	<0.001
SW217	**333594-39**	**19 Sep 2023**	<0.01	0.002	<0.001	<0.001	0.03	<0.001	<0.00005	<0.001	0.001
SW217	**333594-40**	**19 Sep 2023**	0.02	0.002	<0.001	<0.001	0.05	<0.001	<0.00005	<0.001	0.002
SW217	**337868-39**	**14 Nov 2023**	0.01	0.001	<0.001	<0.001	0.03	<0.001	<0.00005	<0.001	<0.001
SW217	**337868-40**	**14 Nov 2023**	0.01	0.001	<0.001	<0.001	0.02	<0.001	<0.00005	<0.001	0.002

Statistics

Number of Results	**256**	**256**	**256**	**256**	**256**	**256**	**256**	**256**	**256**
Number of Detects	**255**	**235**	**67**	**24**	**256**	**7**	**0**	**0**	**183**
Minimum Concentration	**0.01**	**0.001**	**0.001**	**0.001**	**0.02**	**0.001**	**<0.00005**	**<0.001**	**0.001**
Maximum Concentration	**3.3**	**0.006**	**0.005**	**0.006**	**5.4**	**0.003**	**<0.00005**	**<0.002**	**0.048**
Average Concentration *	**0.15**	**0.0016**	**0.0011**	**0.0011**	**0.3**	**0.001**	**0.00005**	**0.001**	**0.0032**
Median Concentration *	**0.08**	**0.002**	**0.001**	**0.001**	**0.16**	**0.001**	**0.00005**	**0.001**	**0.002**

* A Non Detect Multiplier of 1 has been applied.

			Organochlorine Pesticides																	
			4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Sample Code**	**Date**																			
SW201	**312763-1**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW201	**312763-10**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW201	**317305-11**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW201	**317305-12**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW201	**321448-11**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW201	**321448-12**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW201	**322245-11**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW201	**322245-12**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW201	**326273-11**	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW201	**326273-12**	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW201	**333594-9**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW201	**333594-10**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW201	**337868-9**	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW201	**337868-10**	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**312763-11**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**312763-12**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**317305-13**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**317305-14**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**321448-13**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**321448-14**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**322245-13**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**322245-14**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**326273-13**	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**326273-14**	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**333594-11**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**333594-12**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**337868-11**	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW202	**337868-12**	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**312763-13**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**312763-14**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**317305-15**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**317305-16**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**321448-15**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**321448-16**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**322245-15**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**322245-16**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**326273-15**	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**326273-16**	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**333594-13**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**333594-14**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**337868-13**	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW203	**337868-14**	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

			Organochlorine Pesticides																
			4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Sample Code**	**Date**																			
SW204	**312763-15**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW204	**312763-16**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW204	**317305-17**	**23 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW204	**317305-18**	**23 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW204	**321448-17**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW204	**321448-18**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW204	**322245-17**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW204	**322245-18**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW204	**333594-58**	**20 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW204	**333594-59**	**20 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW204	**337868-58**	**15 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW204	**337868-59**	**15 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**312763-17**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**312763-18**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**314392-8**	**01 Jan 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**317305-19**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**317305-20**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**319307-11**	**20 Mar 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**321448-19**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**321448-20**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**322245-19**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**322245-20**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**326273-17**	**20 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**326273-18**	**20 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**327756-10**	**11 Jul 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**331844-10**	**30 Aug 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**333594-15**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**333594-16**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**335606-10**	**17 Oct 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**337868-15**	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW205	**337868-16**	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**312763-19**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**312763-20**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**317305-21**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**317305-22**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**321448-21**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**321448-22**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**322245-21**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**322245-22**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**326273-19**	**20 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**326273-20**	**20 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**333594-17**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**333594-18**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**337868-17**	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW206	**337868-18**	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

			Organochlorine Pesticides																
			4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Sample Code**	**Date**																			
SW207	**312763-21**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**312763-58**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**314392-9**	**01 Jan 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**317305-23**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**317305-24**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**319307-12**	**20 Mar 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**321448-23**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**321448-24**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**322245-23**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**322245-24**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**326273-21**	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**326273-22**	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**327756-11**	**11 Jul 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**331844-11**	**30 Aug 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**333594-19**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**333594-20**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**335606-11**	**17 Oct 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**337868-19**	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW207	**337868-20**	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**312763-22**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**312763-59**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**317305-25**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**317305-26**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**321448-25**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**321448-26**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**322245-25**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**322245-26**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**326273-23**	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**326273-24**	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**333594-21**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**333594-22**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**337868-21**	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW208	**337868-22**	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**312763-23**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**312763-24**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**317305-27**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**317305-28**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**321448-27**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**321448-28**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**322245-27**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**322245-28**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**326273-25**	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**326273-26**	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**333594-23**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**333594-24**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**337868-23**	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW209	**337868-24**	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

			Organochlorine Pesticides																	
			4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Sample Code**	**Date**																			
SW210	**312763-25**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**312763-26**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**314392-10**	**01 Jan 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**317305-29**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**317305-30**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**319307-13**	**20 Mar 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**321448-29**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**321448-30**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**322245-29**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**322245-30**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**326273-27**	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**326273-28**	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**327756-12**	**11 Jul 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**331844-12**	**30 Aug 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**333594-25**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**333594-26**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**335606-12**	**17 Oct 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**337868-25**	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW210	**337868-26**	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**312763-27**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**312763-28**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**314392-11**	**01 Jan 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**317305-31**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**317305-32**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**319307-14**	**20 Mar 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**321448-31**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**321448-32**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**322245-31**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**322245-32**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**326273-29**	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**326273-30**	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**327756-13**	**11 Jul 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**331844-13**	**30 Aug 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**333594-27**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**333594-28**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**335606-13**	**17 Oct 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**337868-27**	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW211	**337868-28**	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

			Organochlorine Pesticides																
			4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Sample Code**	**Date**																			
SW212	**312763-29**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW212	**312763-30**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW212	**317305-33**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW212	**317305-34**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW212	**321448-33**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW212	**321448-34**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW212	**322245-33**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW212	**322245-34**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW212	**326273-31**	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW212	**326273-32**	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW212	**333594-29**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW212	**333594-30**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW212	**337868-29**	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW212	**337868-30**	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**312763-31**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**312763-32**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**317305-35**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**317305-36**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**321448-35**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**321448-36**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**322245-35**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**322245-36**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**326273-33**	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**326273-34**	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**333594-31**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**333594-32**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**337868-31**	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW213	**337868-32**	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**312763-33**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**312763-34**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**317305-37**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**317305-38**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**321448-37**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**321448-38**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**322245-37**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**322245-38**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**326273-35**	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**326273-36**	**21 Jun 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**333594-33**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**333594-34**	**19 Sep 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**337868-33**	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW214	**337868-34**	**14 Nov 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

			Organochlorine Pesticides																
			4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Location Code	**Sample Code**	**Date**																			
SW215	312763-35	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW215	312763-36	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW215	317305-39	21 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW215	317305-40	21 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW215	321448-39	19 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW215	321448-40	19 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW215	322245-39	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW215	322245-40	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW215	326273-37	21 Jun 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW215	326273-38	21 Jun 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW215	333594-35	19 Sep 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW215	333594-36	19 Sep 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW215	337868-35	14 Nov 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW215	337868-36	14 Nov 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	312763-37	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	312763-38	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	317305-41	21 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	317305-42	21 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	321448-41	19 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	321448-42	19 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	322245-41	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	322245-42	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	326273-39	21 Jun 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	326273-40	21 Jun 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	333594-37	19 Sep 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	333594-38	19 Sep 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	337868-37	14 Nov 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW216	337868-38	14 Nov 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	312763-39	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	312763-40	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	317305-43	21 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	317305-44	21 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	321448-43	19 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	321448-44	19 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	322245-43	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	322245-44	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	326273-41	21 Jun 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	326273-42	21 Jun 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	333594-39	19 Sep 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	333594-40	19 Sep 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	337868-39	14 Nov 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SW217	337868-40	14 Nov 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Statistics

Number of Results	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256
Number of Detects	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Maximum Concentration	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Average Concentration *	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Median Concentration *	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

* A Non Detect Multiplier of 1 has been applied.

			PAH															
			Benzo(b+j+k)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
			mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL			0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0005	0.0001
Location Code	**Sample Code**	**Date**																	
SW201	**312763-1**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW201	**312763-10**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW201	**317305-11**	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW201	**317305-12**	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW201	**321448-11**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW201	**321448-12**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW201	**322245-11**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW201	**322245-12**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW201	**326273-11**	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW201	**326273-12**	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW201	**333594-9**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW201	**333594-10**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW201	**337868-9**	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW201	**337868-10**	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW202	**312763-11**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW202	**312763-12**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW202	**317305-13**	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW202	**317305-14**	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW202	**321448-13**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW202	**321448-14**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW202	**322245-13**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW202	**322245-14**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW202	**326273-13**	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW202	**326273-14**	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW202	**333594-11**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW202	**333594-12**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW202	**337868-11**	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW202	**337868-12**	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW203	**312763-13**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW203	**312763-14**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW203	**317305-15**	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW203	**317305-16**	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW203	**321448-15**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW203	**321448-16**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW203	**322245-15**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW203	**322245-16**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW203	**326273-15**	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW203	**326273-16**	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW203	**333594-13**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW203	**333594-14**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW203	**337868-13**	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW203	**337868-14**	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001

			PAH															
			Benzo(b+j+k)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
			mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL			0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0005	0.0001
Location Code	**Sample Code**	**Date**																	
SW204	**312763-15**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW204	**312763-16**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW204	**317305-17**	**23 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW204	**317305-18**	**23 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW204	**321448-17**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW204	**321448-18**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW204	**322245-17**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW204	**322245-18**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW204	**333594-58**	**20 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW204	**333594-59**	**20 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW204	**337868-58**	**15 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW204	**337868-59**	**15 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW205	**312763-17**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW205	**312763-18**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW205	**314392-8**	**01 Jan 2023**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW205	**317305-19**	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW205	**317305-20**	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW205	**319307-11**	**20 Mar 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW205	**321448-19**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW205	**321448-20**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW205	**322245-19**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW205	**322245-20**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW205	**326273-17**	**20 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW205	**326273-18**	**20 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW205	**327756-10**	**11 Jul 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW205	**331844-10**	**30 Aug 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW205	**333594-15**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW205	**333594-16**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW205	**335606-10**	**17 Oct 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW205	**337868-15**	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW205	**337868-16**	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW206	**312763-19**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW206	**312763-20**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW206	**317305-21**	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW206	**317305-22**	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW206	**321448-21**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW206	**321448-22**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW206	**322245-21**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW206	**322245-22**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW206	**326273-19**	**20 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW206	**326273-20**	**20 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW206	**333594-17**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW206	**333594-18**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW206	**337868-17**	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW206	**337868-18**	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001

			PAH															
			Benzo[b+j+k]fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
			mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL			0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0005	0.0001
Location Code	**Sample Code**	**Date**																	
SW207	**312763-21**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW207	**312763-58**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW207	**314392-9**	**01 Jan 2023**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW207	**317305-23**	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW207	**317305-24**	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW207	**319307-12**	**20 Mar 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW207	**321448-23**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW207	**321448-24**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW207	**322245-23**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW207	**322245-24**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW207	**326273-21**	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW207	**326273-22**	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW207	**327756-11**	**11 Jul 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW207	**331844-11**	**30 Aug 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW207	**333594-19**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW207	**333594-20**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW207	**335606-11**	**17 Oct 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW207	**337868-19**	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW207	**337868-20**	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW208	**312763-22**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW208	**312763-59**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW208	**317305-25**	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW208	**317305-26**	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW208	**321448-25**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW208	**321448-26**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW208	**322245-25**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW208	**322245-26**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW208	**326273-23**	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW208	**326273-24**	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW208	**333594-21**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW208	**333594-22**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW208	**337868-21**	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW208	**337868-22**	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW209	**312763-23**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW209	**312763-24**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW209	**317305-27**	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW209	**317305-28**	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW209	**321448-27**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW209	**321448-28**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW209	**322245-27**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW209	**322245-28**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW209	**326273-25**	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW209	**326273-26**	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW209	**333594-23**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW209	**333594-24**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW209	**337868-23**	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW209	**337868-24**	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001

			PAH															
			Benzo[b+j+k]fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
			mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL			0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0005	0.0001
Location Code	**Sample Code**	**Date**																	
SW210	**312763-25**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW210	**312763-26**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW210	**314392-10**	**01 Jan 2023**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW210	**317305-29**	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW210	**317305-30**	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW210	**319307-13**	**20 Mar 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW210	**321448-29**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW210	**321448-30**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW210	**322245-29**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW210	**322245-30**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW210	**326273-27**	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW210	**326273-28**	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW210	**327756-12**	**11 Jul 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW210	**331844-12**	**30 Aug 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW210	**333594-25**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW210	**333594-26**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW210	**335606-12**	**17 Oct 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW210	**337868-25**	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW210	**337868-26**	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW211	**312763-27**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW211	**312763-28**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW211	**314392-11**	**01 Jan 2023**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW211	**317305-31**	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW211	**317305-32**	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW211	**319307-14**	**20 Mar 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW211	**321448-31**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW211	**321448-32**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW211	**322245-31**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW211	**322245-32**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW211	**326273-29**	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW211	**326273-30**	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW211	**327756-13**	**11 Jul 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW211	**331844-13**	**30 Aug 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW211	**333594-27**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW211	**333594-28**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW211	**335606-13**	**17 Oct 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW211	**337868-27**	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW211	**337868-28**	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001

			PAH															
			Benzo[b+j+k]fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
			mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL			0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0005	0.0001
Location Code	**Sample Code**	**Date**																	
SW212	**312763-29**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW212	**312763-30**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW212	**317305-33**	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW212	**317305-34**	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW212	**321448-33**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW212	**321448-34**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW212	**322245-33**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW212	**322245-34**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW212	**326273-31**	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW212	**326273-32**	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW212	**333594-29**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW212	**333594-30**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW212	**337868-29**	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW212	**337868-30**	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW213	**312763-31**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW213	**312763-32**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW213	**317305-35**	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW213	**317305-36**	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW213	**321448-35**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW213	**321448-36**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW213	**322245-35**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW213	**322245-36**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW213	**326273-33**	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW213	**326273-34**	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW213	**333594-31**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW213	**333594-32**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW213	**337868-31**	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW213	**337868-32**	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW214	**312763-33**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW214	**312763-34**	**09 Dec 2022**	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW214	**317305-37**	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW214	**317305-38**	**21 Feb 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW214	**321448-37**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW214	**321448-38**	**19 Apr 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW214	**322245-37**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW214	**322245-38**	**01 May 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW214	**326273-35**	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW214	**326273-36**	**21 Jun 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW214	**333594-33**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW214	**333594-34**	**19 Sep 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW214	**337868-33**	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW214	**337868-34**	**14 Nov 2023**	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001

			PAH															
			Benzo(b+j+k)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)
			mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
EQL			0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0005	0.0001
Location Code	**Sample Code**	**Date**																	
SW215	312763-35	09 Dec 2022	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW215	312763-36	09 Dec 2022	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW215	317305-39	21 Feb 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW215	317305-40	21 Feb 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW215	321448-39	19 Apr 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW215	321448-40	19 Apr 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW215	322245-39	01 May 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW215	322245-40	01 May 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW215	326273-37	21 Jun 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW215	326273-38	21 Jun 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW215	333594-35	19 Sep 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW215	333594-36	19 Sep 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW215	337868-35	14 Nov 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW215	337868-36	14 Nov 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW216	312763-37	09 Dec 2022	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW216	312763-38	09 Dec 2022	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW216	317305-41	21 Feb 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW216	317305-42	21 Feb 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW216	321448-41	19 Apr 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW216	321448-42	19 Apr 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW216	322245-41	01 May 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW216	322245-42	01 May 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW216	326273-39	21 Jun 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW216	326273-40	21 Jun 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW216	333594-37	19 Sep 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW216	333594-38	19 Sep 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW216	337868-37	14 Nov 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW216	337868-38	14 Nov 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW217	312763-39	09 Dec 2022	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW217	312763-40	09 Dec 2022	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	<0.0001
SW217	317305-43	21 Feb 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW217	317305-44	21 Feb 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW217	321448-43	19 Apr 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW217	321448-44	19 Apr 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW217	322245-43	01 May 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW217	322245-44	01 May 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW217	326273-41	21 Jun 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW217	326273-42	21 Jun 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001
SW217	333594-39	19 Sep 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW217	333594-40	19 Sep 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW217	337868-39	14 Nov 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001
SW217	337868-40	14 Nov 2023	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001

Statistics

Number of Results	**256**	**256**	**256**	**256**	**256**	**256**	**256**	**256**	**256**	**256**	**256**	**256**	**256**	**256**	**256**	**256**	**256**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<0.0002**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.0005**	**0**
Maximum Concentration	**<0.002**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<0.005**	**<0.0001**
Average Concentration *	**0.00047**	**0.23**	**0.23**	**0.23**	**0.23**	**0.23**	**0.23**	**0.23**	**0.23**	**0.23**	**0.23**	**0.23**	**0.29**	**0.23**	**0.23**	**0.0012**	**<0.0001**
Median Concentration *	**0.0002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.0005**	**<0.0001**

* A Non Detect Multiplier of 1 has been applied.

			PCBs							TPH				
			Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Sample Code**	**Date**												
SW201	312763-1	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW201	312763-10	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW201	317305-11	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW201	317305-12	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW201	321448-11	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW201	321448-12	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW201	322245-11	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW201	322245-12	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW201	326273-11	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW201	326273-12	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW201	333594-9	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW201	333594-10	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW201	337868-9	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW201	337868-10	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	312763-11	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	312763-12	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	317305-13	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	317305-14	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	321448-13	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	321448-14	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	322245-13	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	322245-14	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	326273-13	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	326273-14	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	333594-11	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	333594-12	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	337868-11	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW202	337868-12	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW203	312763-13	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW203	312763-14	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW203	317305-15	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW203	317305-16	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW203	321448-15	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW203	321448-16	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW203	322245-15	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW203	322245-16	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW203	326273-15	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW203	326273-16	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW203	333594-13	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	51	<100	<100	50
SW203	333594-14	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW203	337868-13	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW203	337868-14	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50

			PCBs							TPH				
			Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Sample Code**	**Date**												
SW204	312763-15	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW204	312763-16	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW204	317305-17	23 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW204	317305-18	23 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW204	321448-17	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW204	321448-18	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW204	322245-17	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW204	322245-18	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW204	333594-58	20 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW204	333594-59	20 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW204	337868-58	15 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW204	337868-59	15 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	312763-17	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	312763-18	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	314392-8	01 Jan 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	317305-19	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	317305-20	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	319307-11	20 Mar 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	321448-19	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	321448-20	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	322245-19	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	322245-20	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	326273-17	20 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	326273-18	20 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	327756-10	11 Jul 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	331844-10	30 Aug 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	333594-15	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	333594-16	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	335606-10	17 Oct 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	337868-15	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW205	337868-16	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	312763-19	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	312763-20	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	317305-21	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	317305-22	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	321448-21	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	321448-22	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	322245-21	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	322245-22	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	326273-19	20 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	326273-20	20 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	333594-17	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	333594-18	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	337868-17	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW206	337868-18	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50

			PCBs							TPH				
			Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Sample Code**	**Date**												
SW207	312763-21	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	312763-58	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	314392-9	01 Jan 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	317305-23	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	317305-24	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	319307-12	20 Mar 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	321448-23	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	321448-24	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	322245-23	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	322245-24	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	326273-21	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	326273-22	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	327756-11	11 Jul 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	331844-11	30 Aug 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	333594-19	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	333594-20	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	335606-11	17 Oct 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW207	337868-19	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	140	<100	140
SW207	337868-20	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	312763-22	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	312763-59	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	317305-25	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	317305-26	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	321448-25	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	321448-26	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	322245-25	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	322245-26	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	326273-23	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	326273-24	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	333594-21	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	333594-22	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	337868-21	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW208	337868-22	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	312763-23	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	312763-24	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	317305-27	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	317305-28	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	321448-27	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	321448-28	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	322245-27	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	322245-28	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	326273-25	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	326273-26	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	333594-23	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	333594-24	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	337868-23	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW209	337868-24	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50

			PCBs							TPH				
			Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Sample Code**	**Date**												
SW210	312763-25	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	312763-26	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	314392-10	01 Jan 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	317305-29	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	317305-30	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	319307-13	20 Mar 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	321448-29	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	321448-30	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	322245-29	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	322245-30	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	326273-27	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	326273-28	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	327756-12	11 Jul 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	331844-12	30 Aug 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	333594-25	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	333594-26	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	335606-12	17 Oct 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	337868-25	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW210	337868-26	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	312763-27	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	312763-28	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	314392-11	01 Jan 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	317305-31	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	317305-32	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	319307-14	20 Mar 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	140	<100	140
SW211	321448-31	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	321448-32	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	322245-31	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	322245-32	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	326273-29	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	326273-30	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	327756-13	11 Jul 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	331844-13	30 Aug 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	333594-27	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	333594-28	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	335606-13	17 Oct 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	337868-27	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW211	337868-28	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50

			PCBs							TPH				
			Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Sample Code**	**Date**												
SW212	312763-29	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW212	312763-30	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW212	317305-33	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW212	317305-34	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW212	321448-33	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW212	321448-34	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW212	322245-33	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW212	322245-34	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW212	326273-31	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW212	326273-32	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW212	333594-29	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW212	333594-30	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW212	337868-29	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW212	337868-30	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	312763-31	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	312763-32	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	317305-35	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	317305-36	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	321448-35	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	321448-36	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	322245-35	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	322245-36	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	326273-33	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	326273-34	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	333594-31	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	333594-32	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	337868-31	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW213	337868-32	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	312763-33	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	312763-34	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	317305-37	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	317305-38	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	321448-37	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	321448-38	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	322245-37	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	322245-38	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	326273-35	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	326273-36	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	333594-33	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	333594-34	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	337868-33	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW214	337868-34	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50

			PCBs							TPH				
			Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			2	2	2	2	2	2	2	10	50	100	100	50
Location Code	**Sample Code**	**Date**												
SW215	312763-35	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW215	312763-36	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW215	317305-39	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW215	317305-40	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW215	321448-39	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW215	321448-40	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW215	322245-39	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW215	322245-40	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW215	326273-37	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW215	326273-38	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW215	333594-35	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW215	333594-36	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW215	337868-35	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW215	337868-36	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	312763-37	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	312763-38	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	317305-41	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	317305-42	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	321448-41	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	321448-42	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	322245-41	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	322245-42	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	326273-39	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	326273-40	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	333594-37	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	333594-38	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	337868-37	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW216	337868-38	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	312763-39	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	312763-40	09 Dec 2022	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	317305-43	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	317305-44	21 Feb 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	321448-43	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	321448-44	19 Apr 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	322245-43	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	322245-44	01 May 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	326273-41	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	326273-42	21 Jun 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	333594-39	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	333594-40	19 Sep 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	337868-39	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
SW217	337868-40	14 Nov 2023	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50

Statistics

Number of Results	**256**	**256**	**256**	**256**	**256**	**256**	**256**	**256**	**256**	**256**	**256**	**256**	**256**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**0**	**3**
Minimum Concentration	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**50**
Maximum Concentration	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<10**	**51**	**140**	**<100**	**140**
Average Concentration *	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**100**	**100**	**51**
Median Concentration *	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**10**	**50**	**100**	**100**	**50**

* A Non Detect Multiplier of 1 has been applied.

Table 73: Comparison of Primary and Duplicate samples

				Metals								
				Aluminium	Arsenic	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Selenium	Zinc
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL				0.01	0.001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Lab Report Number	**Field ID**	**Date**	**Matrix Type**									
312763	3365/SW201	09 Dec 2022	Water	0.06	0.002	0.001	<0.001	0.12	<0.001	<0.00005	<0.001	<0.001
312763	3365/DUP03	09 Dec 2022	Water	0.06	0.002	<0.001	0.002	0.13	<0.001	<0.00005	<0.001	0.004
RPD				0	0	0	67	8	0	0	0	120
312763	3365/SW204 W1	09 Dec 2022	Water	0.58	0.002	0.002	0.001	1.8	<0.001	<0.00005	<0.001	0.009
312763	3365/DUP04	09 Dec 2022	Water	0.56	0.004	0.002	0.003	3.7	<0.001	<0.00005	<0.001	0.008
RPD				4	67	0	100	69	0	0	0	12
312763	3365/SW307 W1	09 Dec 2022	Water	3.3	0.003	0.005	0.002	16	0.006	<0.00005	<0.001	0.008
312763	3365/DUP01	09 Dec 2022	Water	1.4	0.003	0.004	0.004	14	0.003	<0.00005	<0.001	0.005
RPD				81	0	22	67	13	67	0	0	46
312763	3365/SW308 W2	09 Dec 2022	Water	1.1	0.004	0.002	0.003	4.9	0.002	<0.00005	<0.001	0.006
312763	3365/DUP02	09 Dec 2022	Water	0.84	0.004	0.002	0.004	5.4	0.001	<0.00005	<0.001	0.006
RPD				27	0	0	29	10	67	0	0	0
314392	3365/SW205	01 Jan 2023	Water	0.15	0.002	0.002	<0.001	0.2	<0.001	<0.00005	<0.001	0.007
314392	3365/DUP03	01 Jan 2023	Water	0.12	0.001	<0.001	<0.001	0.17	<0.001	<0.00005	<0.001	0.003
RPD				22	67	67	0	16	0	0	0	80
317305	3365/SW209 W/1	21 Feb 2023	Water	0.12	0.002	<0.001	<0.001	0.22	<0.001	<0.00005	<0.001	0.002
317305	3365/DUP02	21 Feb 2023	Water	0.14	0.002	<0.001	<0.001	0.22	<0.001	<0.00005	<0.001	0.001
RPD				15	0	0	0	0	0	0	0	67
317305	3365/SW215 W/2	21 Feb 2023	Water	0.06	0.001	<0.001	<0.001	0.12	<0.001	<0.00005	<0.001	<0.001
317305	3365/DUP01	21 Feb 2023	Water	0.08	0.002	<0.001	<0.001	0.14	<0.001	<0.00005	<0.001	0.003
RPD				29	67	0	0	15	0	0	0	100
317305	3365/SW301 W/2	22 Feb 2023	Water	1	<0.001	0.002	0.003	0.96	0.001	<0.00005	<0.001	0.013
317305	3365/DUP03	22 Feb 2023	Water	0.97	<0.001	0.002	0.002	0.97	0.001	<0.00005	<0.001	0.005
RPD				3	0	0	40	1	0	0	0	89
317305	3365/SW304 W/1	22 Feb 2023	Water	2.6	0.001	0.003	0.003	3.5	0.002	<0.00005	<0.001	0.009
317305	3365/DUP04	22 Feb 2023	Water	2.4	0.001	0.003	0.003	3.5	0.002	<0.00005	<0.001	0.014
RPD				8	0	0	0	0	0	0	0	43
319307	3365/GW205	20 Mar 2023	Water									
319307	3365/DUP02	20 Mar 2023	Water	0.21	0.002	<0.001	<0.001	0.5	<0.001	<0.00005	<0.001	<0.001
RPD												
321448	3365/SW308 W/2	17 Apr 2023	Water	1.3	0.001	0.002	0.002	3.2	0.002	<0.00005	<0.001	0.011
321448	3365/DUP02	17 Apr 2023	Water	2.4	0.002	0.004	0.002	4.8	0.004	<0.00005	<0.001	0.008
RPD				59	67	67	0	40	67	0	0	32
321448	3365/SW208 W/2	19 Apr 2023	Water	0.09	0.002	<0.001	<0.001	0.12	<0.001	<0.00005	<0.001	0.002
321448	3365/DUP03	19 Apr 2023	Water	0.05	0.002	<0.001	<0.001	0.1	<0.001	<0.00005	<0.001	<0.001
RPD				57	0	0	0	18	0	0	0	67
321448	3365/SW211 W/1	19 Apr 2023	Water	0.11	0.002	0.001	<0.001	0.21	<0.001	<0.00005	<0.001	0.003
321448	3365/DUP04	19 Apr 2023	Water	0.09	0.002	<0.001	<0.001	0.19	<0.001	<0.00005	<0.001	<0.001
RPD				20	0	0	0	10	0	0	0	100
322245	3365/SW211 W/2	01 May 2023	Water	0.1	0.001	<0.001	<0.001	0.22	<0.001	<0.00005	<0.001	0.003
322245	3365/DUP04	01 May 2023	Water	0.12	0.001	<0.001	<0.001	0.21	<0.001	<0.00005	<0.001	0.002
RPD				18	0	0	0	5	0	0	0	40
322245	3365/SW215 W/2	01 May 2023	Water	0.1	0.001	<0.001	<0.001	0.22	<0.001	<0.00005	<0.001	0.004
322245	3365/DUP03	01 May 2023	Water	0.13	<0.001	<0.001	<0.001	0.23	<0.001	<0.00005	<0.001	<0.001
RPD				26	0	0	0	4	0	0	0	120
322245	3365/SW301 W/2	01 May 2023	Water	1.6	<0.001	0.002	0.002	1.3	0.002	<0.00005	<0.001	0.008
322245	3365/DUP01	01 May 2023	Water	1.4	<0.001	0.002	0.002	1.2	0.001	<0.00005	<0.001	0.006
RPD				13	0	0	0	8	67	0	0	29
326273	3365/SW308 W/1	19 Jun 2023	Water	5.1	0.003	0.006	0.004	5.2	0.007	<0.00005	<0.001	0.013
326273	3365/DUP01	19 Jun 2023	Water	4.2	0.003	0.005	0.006	4.6	0.007	<0.00005	<0.001	0.011
RPD				19	0	18	40	12	0	0	0	17
326273	3365/SW210 W/1	21 Jun 2023	Water	0.03	0.001	<0.001	<0.001	0.064	<0.001	<0.00005	<0.001	0.002
326273	3365/DUP03	21 Jun 2023	Water	0.06	0.001	0.001	<0.001	0.12	<0.001	<0.00005	<0.001	0.004
RPD				67	0	0	0	61	0	0	0	67
326273	3365/SW202 W/1	21 Jun 2023	Water	0.05	<0.001	<0.001	<0.001	0.06	<0.001	<0.00005	<0.001	0.002
326273	3365/DUP02	21 Jun 2023	Water	0.05	0.001	<0.001	<0.001	0.081	<0.001	<0.00005	<0.001	<0.001
RPD				0	0	0	0	30	0	0	0	67
327756	3365/SW207	11 Jul 2023	Water	0.05	<0.002	<0.002	<0.002	0.11	<0.002	<0.00005	<0.002	0.003
327756	3365/DUP02	11 Jul 2023	Water	0.04	<0.002	<0.002	<0.002	0.095	<0.002	<0.00005	<0.002	<0.002
RPD				22	0	0	0	15	0	0	0	40
331844	3365/SW211	30 Aug 2023	Water	0.24	0.002	0.001	0.001	0.51	<0.001	<0.00005	<0.001	0.005
331844	3365/DUP02	30 Aug 2023	Water	0.13	0.001	0.001	0.013	0.3	<0.001	<0.00005	<0.001	0.027
RPD				59	67	0	171	52	0	0	0	138
333594	3365/SW302 W/1	19 Sep 2023	Water	0.12	<0.001	<0.001	0.002	0.23	<0.001	<0.00005	<0.001	0.023
333594	3365/DUP02	19 Sep 2023	Water	0.13	<0.001	<0.001	0.002	0.24	<0.001	<0.00005	<0.001	0.021
RPD				8	0	0	0	4	0	0	0	9
333594	3365/SW216 W/1	19 Sep 2023	Water	0.03	0.002	<0.001	<0.001	0.04	<0.001	<0.00005	<0.001	0.005
333594	3365/DUP03	19 Sep 2023	Water	0.02	0.002	<0.001	<0.001	0.15	<0.001	<0.00005	<0.001	0.008
RPD				40	0	0	0	116	0	0	0	46
333594	3365/SW214 W/1	19 Sep 2023	Water	0.18	0.002	<0.001	<0.001	0.32	<0.001	<0.00005	<0.001	0.002
333594	3365/DUP04	19 Sep 2023	Water	0.14	0.002	<0.001	<0.001	0.26	<0.001	<0.00005	<0.001	0.003
RPD				25	0	0	0	21	0	0	0	40
335606	3365/SW210	17 Oct 2023	Water	0.29	0.002	0.001	<0.001	0.69	<0.001	<0.00005	<0.001	0.024
335606	3365/DUP01	17 Oct 2023	Water	0.35	0.002	0.002	<0.001	0.71	<0.001	<0.00005	<0.001	0.023
RPD				19	0	67	0	3	0	0	0	4
337868	3365/SW213 W/1	14 Nov 2023	Water	0.05	0.001	<0.001	<0.001	0.08	<0.001	<0.00005	<0.001	0.002
337868	3365/DUP01	14 Nov 2023	Water	0.04	0.001	<0.001	<0.001	0.09	<0.001	<0.00005	<0.001	0.001
RPD				22	0	0	0	12	0	0	0	67
337868	3365/SW207 W/1	14 Nov 2023	Water	0.04	0.001	<0.001	<0.001	0.08	<0.001	<0.00005	<0.001	0.001
337868	3365/DUP02	14 Nov 2023	Water	0.06	0.001	<0.001	<0.001	0.1	<0.001	<0.00005	<0.001	0.002
RPD				40	0	0	0	22	0	0	0	67
337868	3365/SW307 W/1	14 Nov 2023	Water	0.51	<0.001	0.002	0.002	0.73	<0.001	0.00006	<0.001	0.018
337868	3365/DUP03	14 Nov 2023	Water	0.44	<0.001	0.002	0.002	0.7	<0.001	<0.00005	<0.001	0.018
RPD				15	0	0	0	4	0	18	0	0

***RPDs have only been considered where a concentration is greater than 1 times the EQL.**

****Elevated RPDs are highlighted as per QAQC Profile settings (Acceptable RPDs for each EQL multiplier range are: 81 (1 - 10 x EQL); 50 (10 - 30 x EQL); 30 (> 30 x EQL))**

*****Interlab Duplicates are matched on a per compound basis as methods vary between laboratories. Any methods in the row header relate to those used in the primary laboratory**

Table 74: Surface water - water quality data all events - Temp (°C)

Sites	min	max	mean	median	range
301	16.7	32.7	23.4	20.9	16.0
302	10.6	20.3	15.5	15.5	9.7
303	10.0	32.7	21.4	20.9	22.7
304	8.9	19.7	15.9	16.5	10.8
305	9.3	26.0	19.9	21.9	16.7
306	11.9	32.5	23.7	24.4	20.6
307	9.7	23.1	16.7	16.1	13.4
308	13.1	27.9	19.4	16.1	14.8
total	8.9	32.7	19.5	18.7	23.8

Table 75: Surface water - water quality data all events - pH

Sites	min	max	mean	median	range
301	4.81	7.74	6.13	5.84	2.93
302	4.96	7.26	5.98	5.98	2.30
303	7.74	8.53	8.11	8.19	0.79
304	4.45	8.25	6.22	6.16	3.80
305	6.78	8.72	7.70	7.52	1.94
306	7.87	8.73	8.38	8.52	0.86
307	4.32	7.65	6.04	5.61	3.33
308	4.51	6.00	5.12	5.19	1.49
total	4.32	8.73	6.71	6.07	4.41

Table 76: Surface water - water quality data all events - Dissolved Oxygen (mg/L)

Sites	min	max	mean	median	range
301	2.08	6.49	3.84	2.96	4.41
302	-0.19	7.97	4.39	5.40	8.16
303	-0.12	7.98	4.00	4.08	8.10
304	0.55	3.02	2.38	2.98	2.47
305	-0.13	9.72	3.41	2.49	9.85
306	-0.13	8.25	3.96	2.19	8.38
307	-0.20	5.92	2.91	2.99	6.12
308	-0.20	5.44	2.38	2.14	5.64
total	-0.20	9.72	3.41	2.97	9.92

Table 77: Surface water - water quality data all events - Dissolved Oxygen (% SAT)

Sites	min	max	mean	median	range
302	34.3	82.0	58.2	58.2	47.7
303	83.1	98.0	90.6	90.6	14.9
304	33.0	78.9	56.0	56.0	45.9
305	79.1	100.0	89.6	89.6	20.9
306	78.9	79.8	79.4	79.4	0.9
307	65.8	80.6	73.2	73.2	14.8
total	33.0	100.0	74.5	76.3	67.0

Table 78: Surface water - water quality data all events - EC (uS/cm)

Sites	min	max	mean	median	range
301	123	62804	21032	169	62681
302	126	316	231	266	191
303	25590	65494	44799	42322	39904
304	75	2071	600	189	1996
305	23212	52126	41081	41522	28914
306	31218	63478	47297	44100	32260
307	118	1963	525	380	1845
308	152	1538	810	929	1387
total	75	65494	19547	655	65419

Table 79: Surface water - water quality data all events - Turbidity (ntu)

Sites	min	max	mean	median	range
301	10.50	253.13	131.82	131.82	242.63
302	3.87	64.80	28.08	15.57	60.93
303	3.16	66.73	38.16	41.37	63.57
304	72.42	174.07	100.47	77.70	101.65
305	0.81	56.35	20.46	11.84	55.54
306	6.21	319.70	99.92	21.09	313.49
307	13.47	222.29	90.70	80.80	208.82
308	29.12	400.16	218.85	223.06	371.04
total	0.81	400.16	91.06	59.54	399.35

Table 80: Estuary surface water – water quality data all events - Temp (°C)

Sites	min	max	mean	median	range
201	10.8	25.5	19.0	20.5	14.7
202	11.3	24.4	18.6	19.9	13.1
203	11.6	23.8	19.4	19.9	12.2
204	13.1	24.5	19.9	20.0	11.4
205	12.3	23.6	17.6	18.1	11.3
206	11.8	23.2	18.8	19.1	11.4
207	11.5	23.9	17.6	18.0	12.4
208	12.9	22.7	18.8	18.7	9.8
209	11.1	23.1	19.0	19.9	12.0
210	10.8	24.4	17.5	16.8	13.6
211	9.3	24.9	17.4	15.6	15.6
212	11.5	23.9	18.8	19.4	12.4
213	10.9	24.2	18.9	19.5	13.3
214	9.6	24.3	18.7	19.5	14.7
215	13.0	22.5	18.6	18.7	9.5
216	12.9	22.2	18.2	18.2	9.3
217	15.0	22.3	18.3	18.2	7.3
total	9.3	25.5	18.5	19.1	16.2

Table 81: Estuary surface water – water quality data all events - pH

Sites	min	max	mean	median	range
201	-1.34	8.17	6.99	7.90	9.51
202	-2.34	8.20	6.96	7.98	10.54
203	-2.35	8.26	6.82	7.92	10.61
204	7.12	7.86	7.49	7.57	0.74
205	7.49	8.20	7.92	7.93	0.71
206	7.54	8.20	7.92	7.92	0.66
207	3.32	8.14	7.69	7.94	4.82
208	7.82	8.23	8.02	8.00	0.41
209	-2.33	8.19	6.78	7.97	10.52
210	5.81	17.62	8.70	7.99	11.81
211	5.11	9.70	7.88	7.92	4.59
212	3.41	8.15	7.51	7.97	4.74
213	4.94	8.14	7.69	8.04	3.20
214	5.84	8.13	7.70	7.88	2.29
215	4.71	8.26	7.70	8.04	3.55
216	-2.35	8.26	6.27	8.03	10.61
217	-2.33	8.27	6.85	8.16	10.60
total	-2.35	17.62	7.46	7.97	19.97

Table 82: Estuary surface water – water quality data all events - Dissolved Oxygen (mg/L)

Sites	min	max	mean	median	range
201	-0.15	9.43	4.37	4.40	9.58
202	-0.14	8.43	4.24	4.48	8.57
203	-0.14	8.90	4.32	4.44	9.04
204	-0.17	5.39	3.38	3.64	5.56
205	-0.14	7.80	5.05	6.46	7.94
206	-0.14	7.62	4.14	4.52	7.76
207	-0.15	9.17	5.37	6.56	9.32
208	-0.13	9.30	4.37	4.49	9.43
209	-0.14	8.22	4.18	4.58	8.36
210	-0.17	7.90	5.11	6.24	8.07
211	-0.15	8.50	5.02	5.42	8.65
212	-0.14	7.63	4.18	4.63	7.77
213	-0.14	7.11	4.05	4.56	7.25
214	-0.15	6.91	3.69	4.01	7.06
215	-0.15	8.25	4.37	4.74	8.40
216	-0.13	7.88	4.39	4.84	8.01
217	1.63	7.90	5.19	6.94	6.27
total	-0.17	9.43	4.44	4.58	9.60

Table 83: Estuary surface water - water quality data all events - Dissolved Oxygen (% SAT)

Sites	min	max	mean	median	range
201	84.3	87.9	86.2	86.2	3.6
202	84.5	94.0	89.4	89.6	9.5
203	85.0	91.2	88.8	90.1	6.2
205	69.5	69.5	69.5	69.5	0.0
206	76.5	107.8	94.5	91.9	31.3
207	78.4	90.3	86.3	90.1	11.9
208	84.7	106.5	96.0	95.3	21.8
209	85.1	96.3	92.4	95.9	11.2
210	82.4	88.6	85.4	85.1	6.2
211	76.7	112.9	95.3	92.6	36.2
212	74.7	113.4	95.4	93.3	38.7
213	85.2	93.4	90.4	92.5	8.2
214	84.8	92.4	89.7	91.8	7.6
215	80.6	84.7	82.4	81.8	4.1
216	85.9	96.9	92.6	95.1	11.0
217	84.7	100.7	95.4	100.7	16.0
total	1.6	113.4	84.4	91.8	111.8

Table 84: Estuary surface water – water quality data all events - EC (uS/cm)

Sites	min	max	mean	median	range
201	25610	59514	46102	48250	33904
202	32037	59413	48024	48576	27376
203	25788	59604	47237	49204	33816
204	25684	60479	36906	33165	34795
205	5393	59702	44027	47662	54309
206	29174	60165	48053	50947	30991
207	31797	59964	46668	47403	28167
208	30314	60763	47362	47833	30449
209	366	59580	44942	50903	59214
210	25771	59202	45708	48461	33431
211	26430	69302	45509	48196	42872
212	24420	59520	46016	49116	35100
213	27000	59511	46211	49047	32511
214	28320	59410	46603	49193	31090
215	1600	60940	45537	52384	59340
216	25078	69608	47838	53047	44530
217	31998	61810	51916	54609	29812
total	366	69608	46156	49047	69242

Table 85: Estuary surface water – water quality data all events - Turbidity (ntu)

Sites	min	max	mean	median	range
201	-1.57	14.92	4.64	4.82	16.49
202	-2.22	16.14	4.11	1.81	18.36
203	-1.46	19.34	10.97	12.05	20.80
204	14.76	47.83	27.70	17.00	33.07
205	-1.14	96.24	12.41	5.96	97.38
206	-3.05	14.96	5.45	4.56	18.01
207	-2.37	18.22	6.07	4.02	20.59
208	-3.01	15.55	7.80	8.38	18.56
209	-0.30	218.89	42.66	8.47	219.19
210	0.57	88.77	19.00	7.14	88.20
211	0.46	232.62	24.99	10.00	232.16
212	-0.62	25.30	8.37	5.35	25.92
213	1.41	18.98	7.71	2.76	17.57
214	0.00	32.10	12.09	9.95	32.10
215	-3.01	16.90	4.11	1.06	19.91
216	-3.17	11.50	2.45	0.20	14.67
217	-1.89	12.46	1.90	-0.63	14.35
total	-3.17	232.62	11.91	5.35	235.79

Appendix AB – Council Letter of Endorsement

Shoalhaven City Council

Address all correspondence to: The Chief Executive Officer,
PO Box 42, Nowra NSW 2541 Australia
shoalhaven.nsw.gov.au/contact | 1300 293 111
shoalhaven.nsw.gov.au

Council Reference: 3A10/1003 (D22/186812)
Your Reference:

06/05/2022

By email only: mattphilpott@allenprice.com.au

Dear Mr Philpott,

West Culburra Concept Proposal – State Approved Development (SSD 3846)
Part Lots 5 & 6 DP 1065111, Culburra Rd, Culburra Beach
Conditions of Development Consent – C16(a), C17(a) and C18(a)

Reference is made to your letter requesting Council's endorsement of the independent expert in response to conditions of development consent.

Condition C16(a) states:

> *Receiving Water Quality*
>
> *C16. Prior to construction of any stage of the Concept Proposal, the Applicant must prepare a water quality monitoring program for baseline monitoring, construction monitoring and post-construction monitoring of surface waters in the Crookhaven River estuary and in the catchment of Lake Wollumboola and sections of lake fringe at appropriate locations. The program must:*
>
> *(a) be designed by a suitably qualified and experienced independent expert, whose appointment has been endorsed by the Council;…..*

Condition C17(a) states:

> *Aquatic Ecology*
>
> *C17. Prior to construction of any stage of the Concept Proposal, the Applicant must prepare an aquatic ecology monitoring program for baseline monitoring, construction monitoring and post-construction monitoring of aquatic ecology in the Crookhaven River estuary and in the catchment of Lake Wollumboola and sections of lake fringe at appropriate locations. The program must:*
>
> *(a) be designed by a suitably qualified and experienced independent expert, whose appointment has been endorsed by the Council; ….*

Condition C18(a) states:

> *Oyster Aquaculture*
>
> *C18. Prior to construction of any stage of the Concept Proposal, the Applicant must prepare an oyster monitoring program for baseline monitoring, construction monitoring and post-construction monitoring of environmental indicators and oyster condition around selected oyster leases in the Crookhaven River estuary. The program must:*

(a) be designed by a suitably qualified and experienced independent expert, whose appointment has been endorsed by the Council; …..

The conditions require the preparation of certain programs and monitoring prior to any stage of construction. As it stands, the Development Applications for the various stages have not been lodged. These are yet to be lodged, assessed and determined. Thereafter the Subdivision Works Certificates can be issued, assuming all is in order.

We understand that it may take some time to develop the programs required by the concept approval and the consent requires monitoring no less than 18 months (oysters) prior to the commencement of construction.

It should be noted that whilst the condition contains specific requirements for the programs and monitoring, it is possible that the subsequent consents *may* raise other issues impacting on these programs and monitoring regimes.

With respect to your nominated independent experts (having regard to the definition of expert contained in the Development Consent), being Paul Anink from Marine Pollution Research Pty Limited and Dr Daniel Martens from Martens and Associates Pty Limited, Council does not object and endorses the appointment of the experts Mr Paul Anink and Dr Daniel Martins.

Thank you for writing to us. If you have any further enquiries, please contact Cathy Bern on 4429 3111 citing, 3A10/1003.

Yours faithfully

Cathy Bern
Development Services Manager