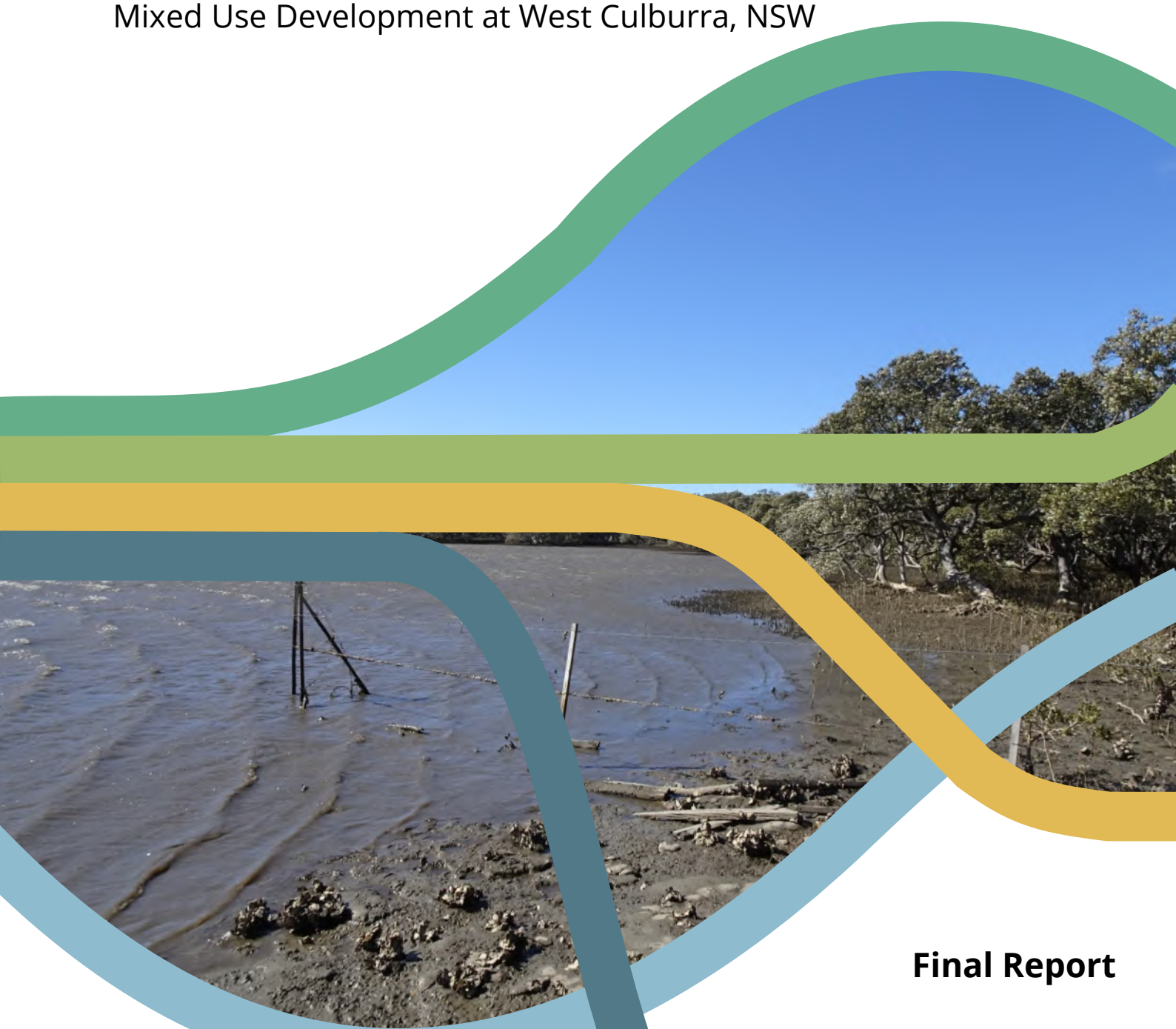
Baseline Water Quality Monitoring – 6 Month Progress Report

Mixed Use Development at West Culburra, NSW



Final Report

P1203365JR12V02

August 2023

Prepared For Sealark Pty Ltd

environmental science & engineering

Project Details

Report Title	Baseline Water Quality Monitoring – 6 Month Progress Report: Mixed Use Development at West Culburra, NSW
Client	Sealark Pty Ltd
Document	P1203365JR12V02
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Document History

Issue	Issue Date	Status	Description / Comment	Author	Reviewer	Approved
1	13/07/2023	Draft	Initial release for client review and IE approval	BTM	DM	AN
2	11/08/2023	Final	For DPE submission	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 six 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).

Contents

Tables

Figures

Maps

Definitions

Al	Aluminium
As	Arsenic
BOD_5	Biochemical Oxygen Demand (5-day)
Cr	Chromium
Cu	Copper
DO	Dissolved Oxygen
EC	Electrical conductivity
E.coli	Escherichia *coli* (bacteria)
FC	Faecal coliforms
Fe	Iron
Hg	Mercury
MA	Martens & Associates Pty Ltd
MPN	Most probable number
OCP	Organochlorine Pesticides
PAH	Polycyclic Aromatic Hydrocarbons
Pb	Lead
PCB	Polychlorinated Biphenyls
pH	Acidity or alkalinity of a solution
Se	Selenium
Temp	Temperature
TN	Total nitrogen
TP	Total phosphorus
TRH	Total recoverable hydrocarbons
TSS	Total suspended solids
WWE	Wet weather event (sampling)
WQ	Water Quality
Zn	Zinc

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.[1]

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

1. Surface water within the Site.

[1] Approximate extent of site shown) (source: www.six.maps.nsw.gov.au, accessed 13/7/2022).

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.[2]

1.2 Scope

The scope of this report includes:

1. Review of monitoring undertaken.
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.

[2] Approximate extent of site shown) (source: www.six.maps.nsw.gov.au, accessed 13/7/2022).

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 include 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).

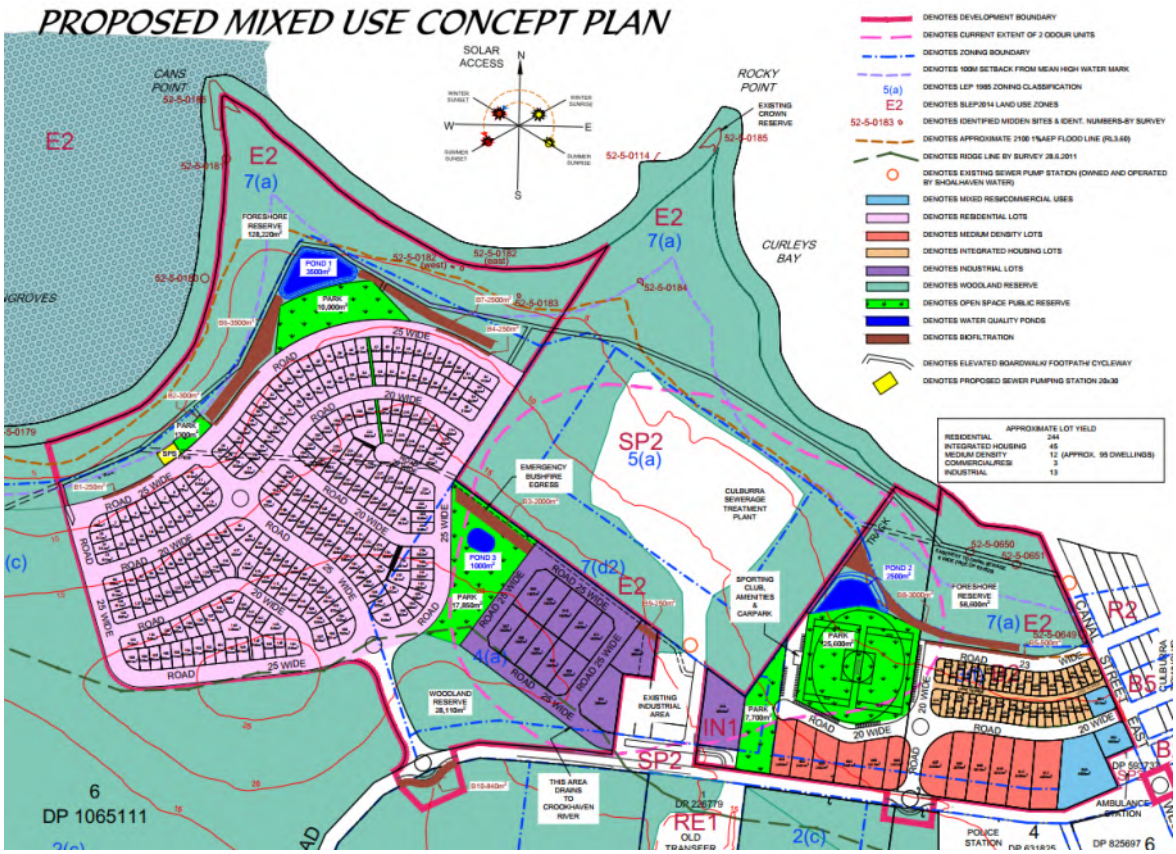


Figure 3: Approved mixed use Concept Plan.

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 5. The following is noted:

1. Conditions C1 and C2 require monthly monitoring with 2 wet weather events (**WWEs**) 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.

2.2 Analytes

Water quality monitoring analytes arising out of the Consent are summarised in Table 6 and reflect:

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

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

2.3 Rainfall Monitoring

Site specific rainfall monitoring is not required as part of the baseline monitoring. The Bureau of Meteorology 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.

2.4 Monitoring Sites

On the basis of the outcomes summarised in Table 5, the following sampling locations have been determined:

1. Crookhaven Estuary sampling sites as shown in Map1.

2. Lake Wollumboola sampling sites as shown in Map 2.

Monitoring sites, sampling requirements and frequency, are summarised in Table 8. 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.

2.5 Monitoring Frequency

Frequency of monitoring at selected monitoring sites shall be undertaken as summarised in Table 5 and following sections:

2.5.1 Monthly Monitoring

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

1. Surface water sampling sites SW101 – SW103.

2. Groundwater sampling sites GW101 – GW107.

3. Crookhaven estuary surface water sampling sites SW205, SW207 and SW210.

4. Crookhaven estuary shellfish / oyster sampling site SW211.

5. Visual survey sampling sites PW101 – PW107.

Monitoring shall include a minimum of 2 wet weather events over the 18 month baseline period of 18 months for each monitoring site.

2.5.2 Bimonthly Monitoring

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

1. Crookhaven estuary surface water monitoring control sites SW201, SW202, SW 216 and SW217.

2. Crookhaven estuary surface water monitoring sites SW204, SW209, SW213 and SW214.

3. Crookhaven estuary shellfish / oyster sampling site SW203, SW206, SW208, SW212 and SW 215.

4. All Lake Wollumboola surface water monitoring sites SW301 – SW 308.

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

2.5.3 Wet Weather Monitoring Events

Wet weather events (included in the schedules described in Sections 2.5.1 and 2.5.2) are defined as sampling immediately (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). For the purposes of this definition, rainfall at Culburra Treatment Works (or if that data is not available, at Greenwell Point Bowling Club), is to be considered.

2.6 Sampling Protocol

2.6.1 Sample Collection and Monitoring

Collection protocols for different sample / data types are summarised in Table 7. Sample volume and numbers of samples collected are to be sufficient to allow for required physical and chemical analyses (Table 6) to be undertaken in accordance with laboratory analysis procedures.

2.6.2 Field Measurements

Measurements of physical and chemical parameters shall be completed in the field for surface and groundwater monitoring sites as detailed in Table 6.

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.

2.6.3 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.

2.6.4 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 need to 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.

2.6.5 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.

2.6.6 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.

2.7 Compliance Assessment

2.7.1 Roles, Responsibilities and Training

Roles, responsibilities and training related to baseline water quality monitoring are summarised in Table 9. 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.*).

2.7.2 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.

2.7.3 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.*

2.7.4 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.

2.8 Reporting

A summary of reporting requirements is provided in Table 10.

3 Monitoring Undertaken

3.1 Monitoring Events

6 monitoring events have been undertaken which includes 4 bimonthly (including 1 WWE) and 2 monthly sampling events as summarised in Table 1 below. A summary of the monitoring obligations regarding the progress report (Table 2) and summary of compliance of sampling (Table 3) are also provided.

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

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 2.5.1 and 2.5.2 and Table 8 for more details

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

Monitoring Event	Surface Water Sites[1]	Estuary Sites[1]	Testing compliance (Y/N) [3]		Acceptable (Y/N)[4]
			T1	T2	
1	7 of 8[2]	17 of 17	N	N	Y
2	n/a	4 of 4	N	N	Y
3	8 of 8	17 of 17	Y	N	Y
4	n/a	4 of 4	N	Y	Y
5	8 of 8	17 of 17	N	N	Y
6	8 of 8	17 of 17	N	N	Y

[1] Refer to Section 2.5.1 and 2.5.2 for more details
[2] Missing samples compared to corresponding compliance. Sample locations missing indicated below.
[3] Analytes detailed in Table 6 and Table 5.
[4] Compliance reviewed in Section 3.2 and acceptability of event assessed.

3.2 Monitoring Compliance

Sample collection protocol (Table 7) has been followed for each monitoring event during sample collection regarding surface water grab samples and water quality probe use.

Measurement of physical and chemical parameters for surface water including laboratory testing and water quality probe data were collected during each monitoring event in accordance with monitoring summarised in Table 2.

Results of field sampling were recorded on monitoring sheets, estuary surface water sampling form and surface water sampling form (provided in Appendix D, F, H, J, L and N), as required during each monitoring period.

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 2.6.4 above prior to sampling when site shows evidence of contamination or has previously been contaminated.

Quality assurance and controls, specified in Section 2.6.5, were undertaken during each monitoring event as required. Comparison of duplicates to primary samples is detailed below to assess data quality (Table 44). 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.

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.

All consultants were required to understand their responsibilities and satisfactorily complete required training as specified in Table 9. This includes undergoing a general site induction and specific risk management training in relation to the monitoring site.

All water quality data management requirements as specified in Section 2.7.2 were fulfilled including GPS coordinates (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.

3.2.1 Event 1 – 05 – 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 2.5.1 and 2.5.2 along with five duplicate samples (Dup01 to Dup04, GW Dup01) and replicate sampling of surface water and estuary surface water as required (Table 5).

Duplicates and parent primary samples are compared to assess data quality below (Appendix C – Event 1 Data). Laboratory testing (T1) and water quality measurements (T2) have been completed as required (Table 6). All data (Laboratory results and water quality field forms) is provided in Appendix C – Event 1 Data and all documentation (laboratory documentation and report, water quality meter calibration certificate) is provided in Appendix D – Event 1 Documents.

3.2.2 Event 2 – 09/01/2023

Event 2 was undertaken on January 9, 2023 and included monthly monitoring locations only, as described in Sections 2.5.1 along with three duplicate samples (Dup02, Dup03 and Dup01 (GW Dup01)).

Duplicates and parent primary samples are compared to assess data quality in Appendix E – Event 2 Data. Laboratory testing (T1) and water quality measurements (T2) have been completed as required (Table 6). All data (Laboratory results and water quality field forms) are provided in Appendix E – Event 2 Data and all documentation (laboratory documentation and report, water quality meter calibration certificate) is provided in Appendix F – Event 2 Documents.

3.2.3 Event 3 – 20 – 23/02/2023

Event 3 was undertaken on February 20 to 23, 2023 and included both monthly and bimonthly monitoring locations as described in Sections 2.5.1 and 2.5.2 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 5).

Duplicates and parent primary samples are compared to assess data quality in Appendix G – Event 3 Data. Laboratory testing (T1) and water quality measurements (T2) have been completed as required (Table 6). All data (Laboratory results and water quality field forms) are provided in Appendix G – Event 3 Data and all documentation (laboratory documentation and report, water quality meter calibration certificate) is provided in Appendix H – Event 3 Documents.

3.2.4 Event 4 – 20/03/2023

Event 4 was undertaken on March 20, 2023 and included monthly monitoring locations only, as described in Sections 2.5.1 along with three duplicate samples (Dup01, Dup02, GW Dup01).

Duplicates and parent primary samples are compared to assess data quality in Appendix I – Event 4 Data. Laboratory testing (T1) and water quality measurements (T2) have been completed as required (Table 6). All data (Laboratory results and water quality field forms) are provided in Appendix I – Event 4 Data and all documentation (laboratory documentation and report, water quality meter calibration certificate) is provided in Appendix J – Event 4 Documents.

3.2.5 Event 5 – 17 – 23/04/2023

Event 5 was undertaken on April 17 to 20, 2023 and included both monthly and bimonthly monitoring locations as described in Sections 2.5.1 and 2.5.2 along with five duplicate samples (Dup01 to Dup04, GW Dup01) and replicate sampling of surface water and estuary surface water as required (Table 5).

Duplicates and parent primary samples are compared to assess data quality in Appendix K – Event 5 Data. Laboratory testing (T1) and water quality measurements (T2) have been completed as required (Table 6). All data (Laboratory results and water quality field forms) are provided in Appendix C – Event 1 Data and all documentation (laboratory documentation and report, water quality meter calibration certificate) is provided in Appendix L – Event 5 Documents.

3.2.6 Event 6 – 01 – 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 2.5.1 and 2.5.2 along with five duplicate samples (Dup01 to Dup04, GW Dup01) and replicate sampling of surface water and estuary surface water as required (Table 5).

Duplicates and parent primary samples are compared to assess data quality in Appendix M – Event 6 Data. Laboratory testing (T1) and water quality measurements (T2) have been completed as required (Table 6). All data (Laboratory results and water quality field forms) are provided in Appendix M – Event 6 Data and all documentation (laboratory documentation and report, water quality meter calibration certificate) 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 2.5.3). 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 (indicated by estuary surface water sampling form provided in Appendix N – Event 6 Documents, rainfall data provided in Table 41.

3.2.7 Summary of All Events Data

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

3.3 Review of Monitoring Compliance

Generally, all monitoring events complied with the Methodology Plan. Minor noncompliance's which arose are detailed in Table 4.

Table 4: Summary and review of non-compliance across all monitoring events.

Monitoring Events	Non-Compliance	Comment
1	No sample collect at SW301 and SW302. No TN laboratory results for any sample.	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. TN not tested – laboratory administrative error[1]
2	No FN and E coli results for SW205, SW207, SW210 and SW211 Water quality: No turbidity results for any samples	FN or E coli not tested – administrative error[1] Water quality probe unable to record Turbidity[2]
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.
4	No FN and E coli results for SW211	FN and E coli not tested – laboratory administrative error[1]
5	No TN results for any samples No results for SW301, SW304, SW307	TN not tested – laboratory administrative error[1] 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.
6	Lab testing: No Chlorophyll a result for any samples Water quality: No turbidity results for any samples.	Chlorophyll a not tested – laboratory administrative error[1] Water quality probe unable to record Turbidity[2]

[1]Sampling completed, COC correctly requesting testing, laboratory report has no comment on unable to test.
[2] Hire of a water quality meter able to test for turbidity was unavailable at time of sampling.

3.4 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.

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 6. Water quality data includes pH, temperature, EC / salinity, DO and turbidity as specified in Table 6.

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

3.5 Compliance Review and Response

Further to the review of the initial six months data collection a number of changes are proposed to respond to identified non compliances. The following processes are to be implemented to ensure non compliances are not repeated:

1. Improved internal laboratory data review and auditing shall be implemented. The failure of laboratory to analyse all tests in accordance with CoC shall be highlighted to laboratory for their action, and a further step of immediate result review by Martens shall be undertaken to prevent a repeat of missed analytes.

2. Water quality probes shall be booked a month in advance to ensure that probes able to test for all required parameters are available.

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 he opportunity to collect relevant local data from each location for each monitoring event.

4 Recommended Changes to Monitoring Plan

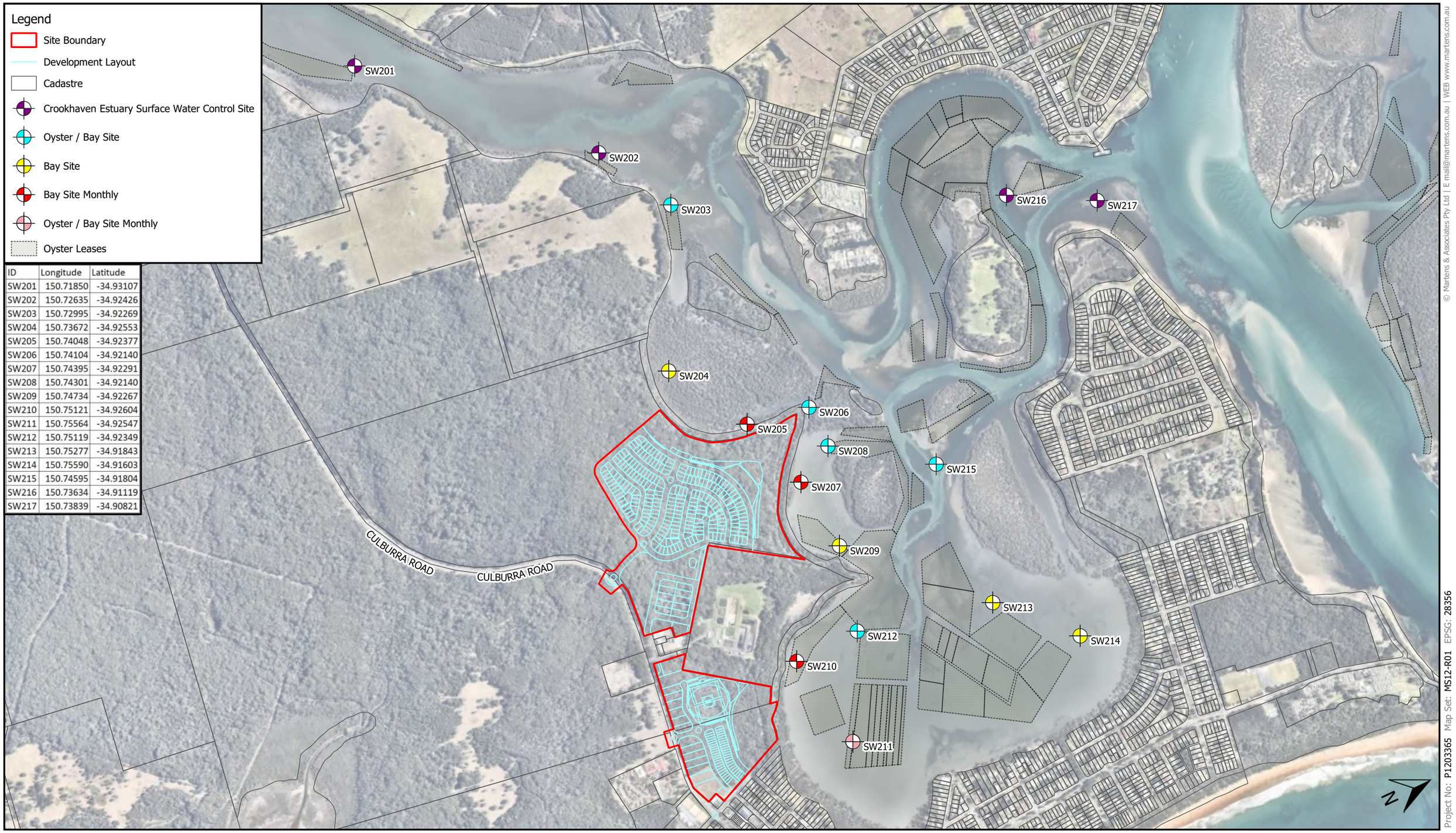
No changes to the approved monitoring plan are proposed at this stage.

Appendix A – Maps

Legend

- Site Boundary
- Development Layout
- Cadastre
- Crookhaven Estuary Surface Water Control Site
- Oyster / Bay Site
- Bay Site
- Bay Site Monthly
- Oyster / Bay Site Monthly
- Oyster Leases

ID	Longitude	Latitude
SW201	150.71850	-34.93107
SW202	150.72635	-34.92426
SW203	150.72995	-34.92269
SW204	150.73672	-34.92553
SW205	150.74048	-34.92377
SW206	150.74104	-34.92140
SW207	150.74395	-34.92291
SW208	150.74301	-34.92140
SW209	150.74734	-34.92267
SW210	150.75121	-34.92604
SW211	150.75564	-34.92547
SW212	150.75119	-34.92349
SW213	150.75277	-34.91843
SW214	150.75590	-34.91603
SW215	150.74595	-34.91804
SW216	150.73634	-34.91119
SW217	150.73839	-34.90821



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Viewport A

Notes:
- Aerial image from Nearmap (2019).

martens
Environment | Water | Geotechnics | Civil | Projects

Map Title / Figure:

Crookhaven Estuary Sampling Sites

Map 01	Map
West Culburra, NSW	Site
Proposed Mixed Use Subdivision	Project
Baseline Water Quality Monitoring Plan	Sub-Project
Sealark Pty Ltd	Client
11/08/2023	Date

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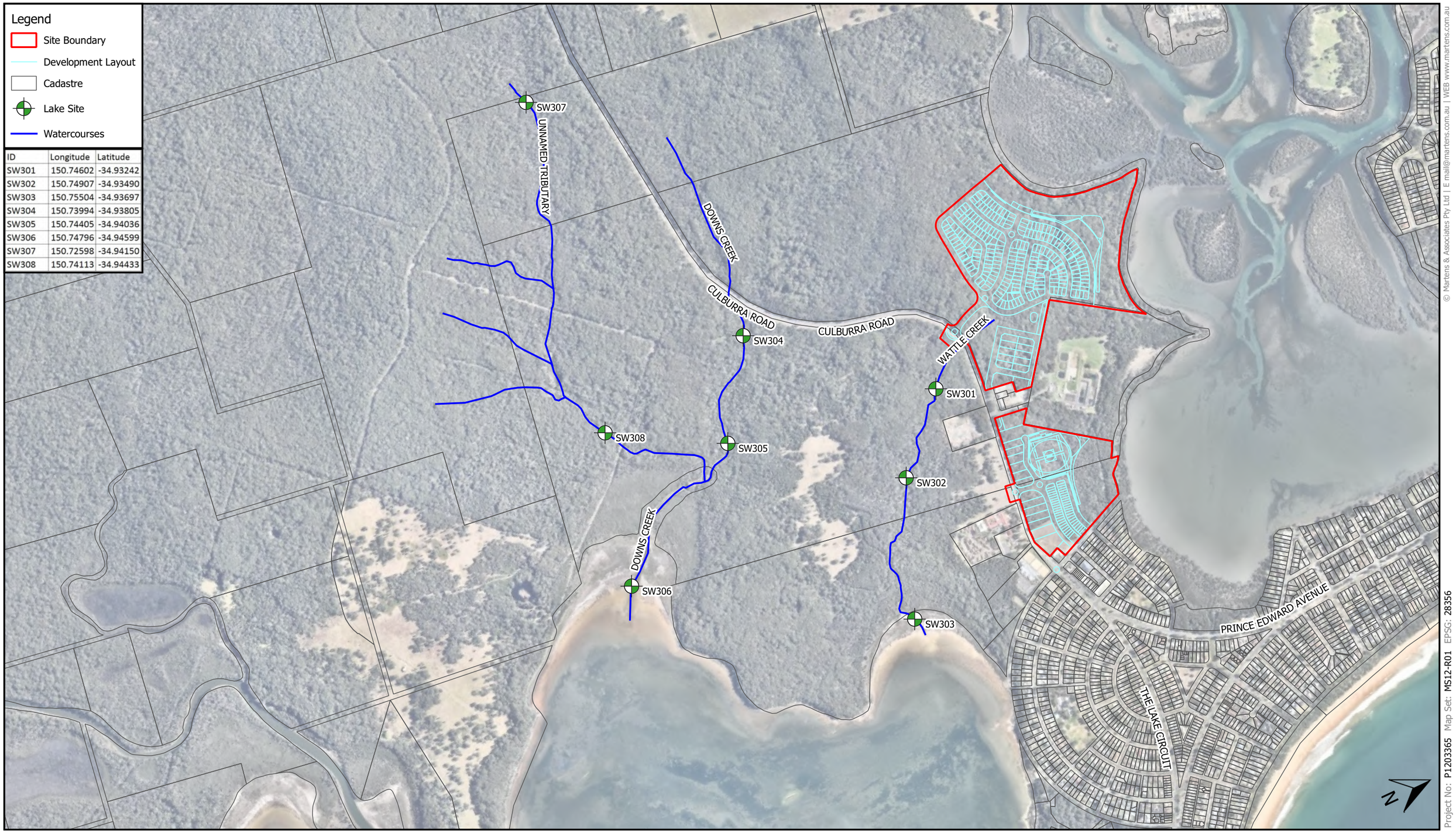
Project No: P1203365 Map Set: MS12-R01 EPSG: 28356

Legend

- Site Boundary
- Development Layout
- Cadastre
- Lake Site
- Watercourses

ID	Longitude	Latitude
SW301	150.74602	-34.93242
SW302	150.74907	-34.93490
SW303	150.75504	-34.93697
SW304	150.73994	-34.93805
SW305	150.74405	-34.94036
SW306	150.74796	-34.94599
SW307	150.72598	-34.94150
SW308	150.74113	-34.94433



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Project No: P1203365 Map Set: MS12-R01 EPSG: 28356

0 100 200 300 400 500 m

1:15000 @ A3

Viewport B

Notes:
- Aerial image from Nearmap (2019).

Map Title / Figure:

Lake Wollumboola Sampling Sites

Map 02	Map
West Culburra, NSW	Site
Proposed Mixed Use Subdivision	Project
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Appendix B – Monitoring Tables

Table 5: 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[3]	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.

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

Table 6: 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 7: 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 8: 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 9: 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 10: 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 11: 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
		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
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
Field ID	**Date**																					
3365/SW303 W1	**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
3365/SW303 W2	**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
3365/SW304 W1	**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
3365/SW304 W2	**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
3365/SW305 W1	**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
3365/SW305 W2	**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
3365/SW306 W1	**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
3365/SW306 W2	**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
3365/SW307 W1	**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
3365/SW307 W2	**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
3365/SW308 W1	**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
3365/SW308 W2	**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
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**
Number of Detects		**0**	**7**	**6**	**0**	**7**	**0**	**0**	**12**	**0**	**12**	**8**	**2**	**12**	**12**	**12**	**12**	**10**	**12**	**10**	**1**	**1**
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**
Minimum Detect		**ND**	**60**	**170**	**ND**	**60**	**ND**	**ND**	**0.003**	**ND**	**0.7**	**0.09**	**0.008**	**22**	**0.13**	**0.001**	**0.001**	**0.002**	**0.32**	**0.001**	**0.00005**	**0.002**
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**
Maximum Detect		**ND**	**300**	**460**	**ND**	**760**	**ND**	**ND**	**0.097**	**ND**	**2.2**	**0.8**	**0.01**	**1,900**	**13**	**0.019**	**0.02**	**0.015**	**80**	**0.033**	**0.00005**	**0.002**
Average Concentration *		**5**	**93**	**192**	**50**	**261**	**140**	**140**	**0.026**	**0.1**	**1.3**	**0.17**	**0.0036**	**372**	**2.5**	**0.0044**	**0.0043**	**0.0038**	**13**	**0.0054**	**0.000027**	**0.00063**
Median Concentration *		**5**	**72.5**	**110**	**50**	**180**	**50**	**50**	**0.015**	**0.1**	**1.25**	**0.1**	**0.0025**	**150**	**1.6**	**0.0035**	**0.003**	**0.0025**	**6.8**	**0.003**	**0.000025**	**0.0005**
Standard Deviation *		**0**	**86**	**166**	**0**	**268**	**201**	**201**	**0.03**	**0**	**0.53**	**0.21**	**0.0026**	**544**	**3.5**	**0.0048**	**0.0052**	**0.004**	**22**	**0.0089**	**0.0000072**	**0.00043**
95% UCL (Student's-t) *		**5**	**137.7**	**278.7**	**50**	**400.3**	**331.9**	**331.9**	**0.0412**	**0.1**	**1.573**	**0.282**	**0.00491**	**654.1**	**4.307**	**0.0069**	**0.00703**	**0.00585**	**24.23**	**0.01**	**0.000030825**	**0.00084949**
% of Detects		**0**	**58**	**50**	**0**	**58**	**0**	**0**	**100**	**0**	**100**	**67**	**17**	**100**	**100**	**100**	**100**	**83**	**100**	**83**	**8**	**8**
% of Non-Detects		**100**	**42**	**50**	**100**	**42**	**100**	**100**	**0**	**100**	**0**	**33**	**83**	**0**	**0**	**0**	**0**	**17**	**0**	**17**	**92**	**92**

* A Non Detect Multiplier of 0.5 has been applied.

			Organochlorine Pesticides																		
		Zinc	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	Benzo(b+j+k)fluoranthene
		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	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
EQL		0.001	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.002
Field ID	**Date**																					
3365/SW303 W1	**09 Dec 2022**	0.005	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW303 W2	**09 Dec 2022**	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW304 W1	**09 Dec 2022**	0.009	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW304 W2	**09 Dec 2022**	0.007	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW305 W1	**09 Dec 2022**	0.031	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW305 W2	**09 Dec 2022**	0.011	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW306 W1	**09 Dec 2022**	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW306 W2	**09 Dec 2022**	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW307 W1	**09 Dec 2022**	0.008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW307 W2	**09 Dec 2022**	0.091	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW308 W1	**09 Dec 2022**	0.032	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW308 W2	**09 Dec 2022**	0.006	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
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**
Number of Detects		**12**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**0.003**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.002**
Minimum Detect		**0.003**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration		**0.091**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.002**
Maximum Detect		**0.091**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *		**0.018**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.001**
Median Concentration *		**0.0085**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.001**
Standard Deviation *		**0.025**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *		**0.031**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.001**
% of Detects		**100**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects		**0**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

		PAH															PCBs				
		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)	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248
		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	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.005	0.001	2	2	2	2	2
Field ID	**Date**																					
3365/SW303 W1	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW303 W2	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW304 W1	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW304 W2	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW305 W1	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW305 W2	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW306 W1	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW306 W2	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW307 W1	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW307 W2	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW308 W1	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW308 W2	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
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**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**12**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<0.005**	**0**	**<2**	**<2**	**<2**	**<2**	**<2**
Minimum Detect		**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**0**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration		**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<0.005**	**0**	**<2**	**<2**	**<2**	**<2**	**<2**
Maximum Detect		**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**0**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *		**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.0025**	**0**	**1**	**1**	**1**	**1**	**1**
Median Concentration *		**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.0025**	**0**	**1**	**1**	**1**	**1**	**1**
Standard Deviation *		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *		**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.0025**	**0**	**1**	**1**	**1**	**1**	**1**
% of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**100**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects		**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**0**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

				TPH				
		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
EQL		2	2	10	50	100	100	50
Field ID	**Date**							
3365/SW303 W1	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW303 W2	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW304 W1	**09 Dec 2022**	<2	<2	<10	90	640	100	840
3365/SW304 W2	**09 Dec 2022**	<2	<2	<10	<50	250	<100	250
3365/SW305 W1	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW305 W2	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW306 W1	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW306 W2	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW307 W1	**09 Dec 2022**	<2	<2	<10	64	290	130	480
3365/SW307 W2	**09 Dec 2022**	<2	<2	<10	86	420	170	680
3365/SW308 W1	**09 Dec 2022**	<2	<2	<10	<50	230	110	340
3365/SW308 W2	**09 Dec 2022**	<2	<2	<10	<50	290	150	440
Statistics								
Number of Results		**12**	**12**	**12**	**12**	**12**	**12**	**12**
Number of Detects		**0**	**0**	**0**	**3**	**6**	**5**	**6**
Minimum Concentration		**<2**	**<2**	**<10**	**<50**	**<100**	**100**	**<50**
Minimum Detect		**ND**	**ND**	**ND**	**64**	**230**	**100**	**250**
Maximum Concentration		**<2**	**<2**	**<10**	**90**	**640**	**170**	**840**
Maximum Detect		**ND**	**ND**	**ND**	**90**	**640**	**170**	**840**
Average Concentration *		**1**	**1**	**5**	**39**	**202**	**84**	**265**
Median Concentration *		**1**	**1**	**5**	**25**	**140**	**50**	**137.5**
Standard Deviation *		**0**	**0**	**0**	**26**	**190**	**46**	**291**
95% UCL (Student's-t) *		**1**	**1**	**5**	**52.01**	**300.1**	**107.8**	**415.8**
% of Detects		**0**	**0**	**0**	**25**	**50**	**42**	**50**
% of Non-Detects		**100**	**100**	**100**	**75**	**50**	**58**	**50**

* A Non Detect Multiplier of 0.5 has been applied.

Table 12: 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
	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
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
Field ID	**Date**																				
3365/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
3365/SW201W/1	**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
3365/SW202 W1	**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
3365/SW202 W2	**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
3365/SW203 W1	**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
3365/SW203 W2	**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
3365/SW204 W1	**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
3365/SW204 W2	**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
3365/SW205 W1	**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
3365/SW205 W2	**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
3365/SW206 W1	**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
3365/SW206 W2	**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
3365/SW207 W1	**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
3365/SW207 W2	**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
3365/SW208 W1	**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
3365/SW208 W2	**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
3365/SW209 W1	**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
3365/SW209 W2	**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
3365/SW210 W1	**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
3365/SW210 W2	**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
3365/SW211 W1	**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
3365/SW211 W2	**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
3365/SW212 W1	**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
3365/SW212 W2	**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
3365/SW213 W1	**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
3365/SW213 W2	**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
3365/SW214 W1	**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
3365/SW214 W2	**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
3365/SW215 W1	**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
3365/SW215 W2	**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
3365/SW216 W1	**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
3365/SW216 W2	**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
3365/SW217 W1	**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
3365/SW217 W2	**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

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**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**15**	**0**	**28**	**2**	**34**	**27**	**34**	**34**	**29**	**5**	**34**	**0**	**0**	**0**
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**
Minimum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.001**	**ND**	**0.1**	**0.06**	**0.006**	**6**	**0.01**	**0.001**	**0.001**	**0.001**	**0.02**	**ND**	**ND**	**ND**
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**
Maximum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.004**	**ND**	**0.4**	**0.1**	**0.02**	**72**	**0.58**	**0.002**	**0.002**	**0.002**	**1.8**	**ND**	**ND**	**ND**
Average Concentration *	**5**	**25**	**50**	**50**	**25**	**6.5**	**6.5**	**0.00096**	**0.1**	**0.11**	**0.034**	**0.0094**	**15**	**0.13**	**0.0018**	**0.0012**	**0.0006**	**0.24**	**0.0005**	**0.000025**	**0.0005**
Median Concentration *	**5**	**25**	**50**	**50**	**25**	**5**	**5**	**0.0005**	**0.1**	**0.1**	**0.025**	**0.01**	**9**	**0.1**	**0.002**	**0.001**	**0.0005**	**0.17**	**0.0005**	**0.000025**	**0.0005**
Standard Deviation *	**0**	**0**	**0**	**0**	**0**	**8.2**	**8.2**	**0.00075**	**0**	**0.071**	**0.017**	**0.0022**	**16**	**0.11**	**0.00039**	**0.00052**	**0.0003**	**0.32**	**0**	**0**	**0**
95% UCL (Student's-t) *	**5**	**25**	**50**	**50**	**25**	**9.049**	**9.049**	**0.00117**	**0.1**	**0.135**	**0.0389**	**0.0101**	**19.37**	**0.16**	**0.00194**	**0.00134**	**0.00068883**	**0.333**	**0.0005**	**0.000025**	**0.0005**
% of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**44**	**0**	**82**	**6**	**100**	**79**	**100**	**100**	**85**	**15**	**100**	**0**	**0**	**0**
% of Non-Detects	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**56**	**100**	**18**	**94**	**0**	**21**	**0**	**0**	**15**	**85**	**0**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

			Organochlorine Pesticides																		
		Zinc	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	Benzo(b+j+k)fluoranthene
		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	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
EQL		0.001	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.002
Field ID	**Date**																					
3365/SW201	**09 Dec 2022**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW201W/1	**09 Dec 2022**	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW202 W1	**09 Dec 2022**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW202 W2	**09 Dec 2022**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW203 W1	**09 Dec 2022**	0.019	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW203 W2	**09 Dec 2022**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW204 W1	**09 Dec 2022**	0.009	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW204 W2	**09 Dec 2022**	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW205 W1	**09 Dec 2022**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW205 W2	**09 Dec 2022**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW206 W1	**09 Dec 2022**	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW206 W2	**09 Dec 2022**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW207 W1	**09 Dec 2022**	0.005	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW207 W2	**09 Dec 2022**	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW208 W1	**09 Dec 2022**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW208 W2	**09 Dec 2022**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW209 W1	**09 Dec 2022**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW209 W2	**09 Dec 2022**	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW210 W1	**09 Dec 2022**	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW210 W2	**09 Dec 2022**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW211 W1	**09 Dec 2022**	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW211 W2	**09 Dec 2022**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW212 W1	**09 Dec 2022**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW212 W2	**09 Dec 2022**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW213 W1	**09 Dec 2022**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW213 W2	**09 Dec 2022**	0.005	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW214 W1	**09 Dec 2022**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW214 W2	**09 Dec 2022**	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW215 W1	**09 Dec 2022**	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW215 W2	**09 Dec 2022**	0.005	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW216 W1	**09 Dec 2022**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW216 W2	**09 Dec 2022**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW217 W1	**09 Dec 2022**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW217 W2	**09 Dec 2022**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<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**
Number of Detects	**14**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**0.001**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.002**
Minimum Detect	**0.001**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration	**0.019**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.002**
Maximum Detect	**0.019**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *	**0.0025**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.001**
Median Concentration *	**0.0005**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.001**
Standard Deviation *	**0.004**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *	**0.00367**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.001**
% of Detects	**41**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects	**59**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

		PAH															PCBs				
		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)	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248
		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	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.005	0.001	2	2	2	2	2
Field ID	**Date**																					
3365/SW201	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW201W/1	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW202 W1	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW202 W2	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW203 W1	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW203 W2	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW204 W1	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW204 W2	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW205 W1	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW205 W2	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW206 W1	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW206 W2	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW207 W1	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW207 W2	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW208 W1	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW208 W2	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW209 W1	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW209 W2	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW210 W1	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW210 W2	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW211 W1	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW211 W2	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW212 W1	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW212 W2	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW213 W1	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW213 W2	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW214 W1	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW214 W2	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW215 W1	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW215 W2	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW216 W1	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW216 W2	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW217 W1	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW217 W2	**09 Dec 2022**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2

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**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**34**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<0.005**	**0**	**<2**	**<2**	**<2**	**<2**	**<2**
Minimum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**0**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<1**	**<0.005**	**0**	**<2**	**<2**	**<2**	**<2**	**<2**
Maximum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**0**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.0025**	**0**	**1**	**1**	**1**	**1**	**1**
Median Concentration *	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.0025**	**0**	**1**	**1**	**1**	**1**	**1**
Standard Deviation *	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.0025**	**0**	**1**	**1**	**1**	**1**	**1**
% of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**100**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**0**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

				TPH				
		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
EQL		2	2	10	50	100	100	50
Field ID	**Date**							
3365/SW201	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW201W/1	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW202 W1	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW202 W2	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW203 W1	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW203 W2	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW204 W1	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW204 W2	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW205 W1	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW205 W2	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW206 W1	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW206 W2	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW207 W1	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW207 W2	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW208 W1	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW208 W2	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW209 W1	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW209 W2	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW210 W1	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW210 W2	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW211 W1	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW211 W2	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW212 W1	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW212 W2	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW213 W1	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW213 W2	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW214 W1	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW214 W2	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW215 W1	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW215 W2	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW216 W1	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW216 W2	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW217 W1	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50
3365/SW217 W2	**09 Dec 2022**	<2	<2	<10	<50	<100	<100	<50

Statistics

Number of Results	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Minimum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Maximum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *	**1**	**1**	**5**	**25**	**50**	**50**	**25**
Median Concentration *	**1**	**1**	**5**	**25**	**50**	**50**	**25**
Standard Deviation *	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *	**1**	**1**	**5**	**25**	**50**	**50**	**25**
% of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

Table 13: 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	20.8	62804	253.13
302						
303						
304	18.8	6.75	153	3.11	3071	79
305	23.8	6.89	1640	2.49	52126	56.35
306	29.6	8.11	148	2.19	63478	319.7
307	23.1	5.61	122.8	217	1961	80.8
308	27.9	5.36	163.1	2.58	1838	327.9

Table 14: 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	2.19	1838	56.35
max	32.7	8.11	1640	217	63478	327.9
mean	25.98	6.74	398.72	41.36	30879.67	186.15
median	25.85	6.82	158.05	2.845	27598.5	166.965
range	13.9	2.75	1517.2	214.81	61640	271.55

Table 15: 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	2.4	25610	14.92
202	20.2	7.85	185.8	2.48	36671	16.14
203	20	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	14	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	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	2.77	128.1	2.63	26430	2783
212	19.1	7.87	180.5	2.58	24420	25.3
213	19.6	7.94	73.2	2.54	27000	18.98
214	18.6	7.81	7.9	2.58	28320	32.1
215	18.7	7.97	167.6	2.52	1600	16.96
216	18.2	8.09	203.6	2.47	31630	11.5
217	18.5	8.11	202.3	2.41	42540	12.46

Table 16: 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	14	2.77	7.9	2.4	366.1	11.5
max	20.4	8.11	249.8	3.18	42540	2783
mean	18.88	7.57	170.30	2.55	26250.42	194.66
median	19.6	7.87	186.9	2.52	27000	17.86
range	6.4	5.34	241.9	0.78	42173.9	2771.5

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

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
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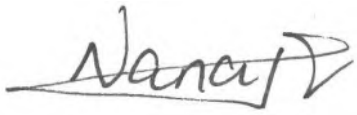

Nancy Zhang, Laboratory Manager

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 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**	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	
3365/GW01						X	
3365/GW02						X	
3365/GW03						X	
3365/GW04						X	
3365/GW05						X	
3365/GW06						X	
3365/GW07						X	
						X	
3365/SW101	X	X	X	X			
3365/SW201 W/1	X	X	X	X			
3365/SW201 W/2	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/SW202 W/1	X	X	X	X			
3365/SW202 W/2	X	X	X	X			
3365/SW203 W/1	X	X	X	X			
3365/SW203 W/2	X	X	X	X			
3365/SW204 W/1	X	X	X	X			
3365/SW204 W/2	X	X	X	X			
3365/SW205 W/1	X	X	X	X			
3365/SW205 W/1	X	X	X	X			
3365/SW206 W/1	X	X	X	X			
3365/SW206 W/2	X	X	X	X			
3365/SW207 W/1	X	X	X	X			
3365/SW207 W/2	X	X	X	X			
3365/SW208 W/1	X	X	X	X			
3365/SW208 W/2	X	X	X	X			
3365/SW209 W/1	X	X	X	X			
3365/SW209 W/2	X	X	X	X			
3365/SW210 W/1	X	X	X	X			
3365/SW210 W/2	X	X	X	X			
3365/SW211 W/1	X	X	X	X			
3365/SW211 W/2	X	X	X	X			
3365/SW212 W/1	X	X	X	X			
3365/SW212 W/2	X	X	X	X			
3365/SW213 W/1	X	X	X	X			
3365/SW213 W/2	X	X	X	X			
3365/SW214 W/1	X	X	X	X			
3365/SW214 W/2	X	X	X	X			
3365/SW215 W/1	X	X	X	X			
3365/SW215 W/2	X	X	X	X			
3365/SW216 W/1	X	X	X	X			
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	
3365/SW217 W/1	X	X	X	X			
3365/SW217 W/2	X	X	X	X			
3365/SW303 W/1	X	X	X	X			
3365/SW303 W/2	X	X	X	X			
3365/SW304 W/1	X	X	X	X			
3365/SW304 W/2	X	X	X	X			
3365/SW305 W/1	X	X	X	X			
3365/SW305 W/2	X	X	X	X			
3365/SW306 W/2	X	X	X	X			
3365/SW306 W/1	X	X	X	X			
3365/SW306 W/2	X	X	X	X			
3365/SW307 W/1	X	X	X	X			
3365/SW307 W/2	X	X	X	X			
3365/SW308 W/1	X	X	X	X			
3365/SW308 W/2	X	X	X	X			
3365/DUP01	X						
3365/DUP02	X						
3365/DUP03	X						
3365/DUP04	X						
3365/GW DUP01					X		

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 (1st)

WET WEATHER (Y/N): N

DATE: 05 – 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, % Sat)	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		19.1	6.98	-12.6	3.71		325	4851	Slight turbid, brown, Y sample collected.
102		E: 293965.373 N: 6132268.998									
103		E: 294551.5727 N: 6132544.192									
301	11:15	E: 294133.1279 N: 6132132.344									DRY, N sample not collected.
301b	10:15			32.7	7.74	165.4	20.8		62804	253.13	NN, Y sample collected.
302	13:05	E: 294417.7457 N: 6131862.805									DRY, N sample not collected.
303		E: 294968.1325 N: 6131646.043									
304	11:05	E: 293592.1655 N: 6131495.252		18.8	6.75	153.0	3.11		3071	79.0	N, Y sample collected.
305	14:17	E: 293972.9125 N: 6131247.39		23.8	6.89	1640	2.49		52126	56.35	Translucent, pale brown,NN, Y sample collected.
306	15:50	E: 294344.2352 N: 6130631.032		29.6	8.11	148.0	2.19		63478	319.70	NN, Y sample collected.
307	13:50	E: 292325.5219 N: 6131083.405		23.1	5.61	122.8	217		1961	80.8	N, Y sample collected.
308	14:45	E: 293716.568 N: 6130800.672		27.9	5.36	163.1	2.58		1838	327.9	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 (1st)

WET WEATHER (Y/N): N

DATE: 05 – 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, % Sat)	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		20.4	7.81	191.2	2.40		25610	14.92	
202		E: 292093.6809 N: 6132720.429		20.2	7.85	185.8	2.48		36671	16.14	
203		E: 292802.3981 N: 6133121.909		20.0	7.73	169.8	2.44		25788	19.34	
204		E: 293266.0802 N: 6132876.874		19.6	7.86	192.5	2.55		25684	47.83	
205		E: 293605.3597 N: 6133080.442		19.6	7.89	189.9	2.48		27390	16.16	
206		E: 293650.597 N: 6133344.326		14.0	7.96	190.4	2.48		29174	14.96	
207		E: 293920.1357 N: 6133182.226		19.6	7.94	186.9	2.55		37549	17.86	
208		E: 293893.7473 N: 6133355.635		18.7	8.0	188.9	2.54		30314	15.55	

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

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

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PROJECT INFORMATION

PROJECT NUMBER: 3365 | MONTHLY / BIMONTHLY: Bimonthly (1st) | SAMPLED BY: TR + WX

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

SITE LOCATION: Culburra | DATE: 05 – 09 / 12 / 2022 | SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L, % Sat)	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		16.8	7.34	249.8	3.18		366.1	218.89	
210		E: 294591.1553 N: 6132850.486		19.7	7.76	186.7	2.49		25771	27.25	
211		E: 294994.521 N: 6132922.111		19.7	2.77	128.1	2.63		26430	2783	
212		E: 294583.6157 N: 6133133.219		19.1	7.87	180.5	2.58		24420	25.30	
213		E: 294847.4998 N: 6133472.498		19.6	7.94	73.2	2.54		27000	18.98	
214		E: 294994.521 N: 6133970.108		18.6	7.81	7.9	2.58		28320	32.1	
215	8:10	E: 293950.2939 N: 6133668.526		18.7	7.97	167.6	2.52		1600	16.96	
216		E: 293079.4764 N: 6134471.488		18.2	8.09	203.6	2.47		31630	11.50	
217		E: 293520.5398 N: 6134963.443		18.5	8.11	202.3	2.41		42540	12.46	

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 17: 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
		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
Field ID	**Date**																					
3365/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
3365/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
3365/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
3365/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
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**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**4**	**1**	**4**	**4**	**4**	**4**	**3**	**0**	**4**	**0**	**0**	**0**
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**
Minimum Detect		**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.002**	**ND**	**0.1**	**0.05**	**0.006**	**12**	**0.09**	**0.001**	**0.001**	**ND**	**0.14**	**ND**	**ND**	**ND**
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**
Maximum Detect		**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.002**	**ND**	**1.9**	**0.05**	**0.01**	**43**	**0.18**	**0.002**	**0.002**	**ND**	**0.25**	**ND**	**ND**	**ND**
Average Concentration *		**5**	**25**	**50**	**50**	**25**	**5**	**5**	**0.0013**	**0.1**	**0.6**	**0.031**	**0.0082**	**20**	**0.15**	**0.0015**	**0.0011**	**0.0005**	**0.2**	**0.0005**	**0.000025**	**0.0005**
Median Concentration *		**5**	**25**	**50**	**50**	**25**	**5**	**5**	**0.00125**	**0.1**	**0.2**	**0.025**	**0.0085**	**13**	**0.16**	**0.0015**	**0.001**	**0.0005**	**0.21**	**0.0005**	**0.000025**	**0.0005**
Standard Deviation *		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.00087**	**0**	**0.87**	**0.012**	**0.0021**	**15**	**0.04**	**0.00058**	**0.00063**	**0**	**0.046**	**0**	**0**	**0**
95% UCL (Student's-t) *		**5**	**25**	**50**	**50**	**25**	**5**	**5**	**0.00227**	**0.1**	**1.621**	**0.046**	**0.0107**	**38.13**	**0.195**	**0.00218**	**0.00187**	**0.0005**	**0.257**	**0.0005**	**0.000025**	**0.0005**
% of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**50**	**0**	**100**	**25**	**100**	**100**	**100**	**100**	**75**	**0**	**100**	**0**	**0**	**0**
% of Non-Detects		**100**	**100**	**100**	**100**	**100**	**100**	**100**	**50**	**100**	**0**	**75**	**0**	**0**	**0**	**0**	**25**	**100**	**0**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

			Organochlorine Pesticides																		
		Zinc	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	Benzo(b+j+k)fluoranthene
		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	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
Field ID	**Date**																					
3365/SW205	**01 Jan 2023**	0.007	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW207	**01 Jan 2023**	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW210	**01 Jan 2023**	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
3365/SW211	**01 Jan 2023**	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<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**
Number of Detects		**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**0.002**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.002**
Minimum Detect		**0.002**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration		**0.01**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.002**
Maximum Detect		**0.01**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *		**0.0053**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.001**
Median Concentration *		**0.0045**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.001**
Standard Deviation *		**0.0039**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *		**0.0099**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.001**
% of Detects		**100**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects		**0**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

		PAH															PCBs				
		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)	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248
		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	µg/L	µg/L	µg/L	µg/L	µg/L
Field ID	**Date**																					
3365/SW205	01 Jan 2023	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW207	01 Jan 2023	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW210	01 Jan 2023	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
3365/SW211	01 Jan 2023	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
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
Number of Detects		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0
Minimum Concentration		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
Minimum Detect		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND	ND	ND	ND	ND
Maximum Concentration		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.005	0	<2	<2	<2	<2	<2
Maximum Detect		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND	ND	ND	ND	ND
Average Concentration *		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0025	0	1	1	1	1	1
Median Concentration *		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0025	0	1	1	1	1	1
Standard Deviation *		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95% UCL (Student's-t) *		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0025	0	1	1	1	1	1
% of Detects		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0
% of Non-Detects		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	100	100	100	100	100

* A Non Detect Multiplier of 0.5 has been applied.

				TPH				
		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
Field ID	**Date**							
3365/SW205	**01 Jan 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW207	**01 Jan 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW210	**01 Jan 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW211	**01 Jan 2023**	<2	<2	<10	<50	<100	<100	<50

Statistics

Number of Results	**4**	**4**	**4**	**4**	**4**	**4**	**4**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Minimum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Maximum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *	**1**	**1**	**5**	**25**	**50**	**50**	**25**
Median Concentration *	**1**	**1**	**5**	**25**	**50**	**50**	**25**
Standard Deviation *	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *	**1**	**1**	**5**	**25**	**50**	**50**	**25**
% of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

Table 18: 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	0.95	70.9	67	31622
211	23.3	7.8	72.6	5.38	42621
min	22.8	0.95	55.8	5.38	31622
max	23.3	8.02	78.2	67	42956
mean	23.08	6.19	69.38	21.29	37622.00
median	23.1	7.89	71.75	6.38	37955
range	0.5	7.07	22.4	61.62	11334

Table 19: Estuary surface water – water quality data event 2 statistical summary

Sampling Site ID	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	EC (uS/cm)
min	22.8	0.95	55.8	5.38	31622
max	23.3	8.02	78.2	67	42956
mean	23.08	6.19	69.38	21.29	37622.00
median	23.1	7.89	71.75	6.38	37955
range	0.5	7.07	22.4	61.62	11334

Appendix F – Event 2 Documents

Lab Report Event 2

Envirolab Services Pty Ltd
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12 Ashley St Chatswood NSW 2067
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customerservice@envirolab.com.au
www.envirolab.com.au

INTERIM REPORT 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
Interim Report Date	20/01/2023

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

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	-					
Faecal Coliforms	cfu/100mL					

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	-					
E. coli	cfu/100mL	[NA]				
Faecal Coliforms	cfu/100mL					

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

QUALITY CONTROL: Microbiologocal Testing					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
E. coli	cfu/100mL	1	Ext-008	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Faecal Coliforms	cfu/100mL	1	Ext-008	<1	[NT]	[NT]	[NT]	[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

Samples received in good order: Holding time exceedance

Lab Document Event 2

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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**	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	
3365/GW201						X	
3365/GW202						X	
3365/GW203						X	
3365/GW204						X	
3365/GW206						X	
3365/GW207						X	
3365/SW101	X	X	X	X			
3365/SW205	X	X	X	X			
3365/SW207	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/SW210	X	X	X	X			
3365/SW211	X	X	X	X			
3365/DUP01					**X**		
3365/DUP02	X						
3365/DUP03	X						

Field Sheet Event 2

WATER SAMPLING FORM - Estuary Surface Water

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PROJECT INFORMATION

PROJECT NUMBER: 3365 | MONTHLY / BIMONTHLY: Monthly (1st) | 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, % Sat)	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		22.8	8.02	55.8	6.87		42956		Clean, no odour, Y sample collected.
207		E: 293920.1357 N: 6133182.226		22.9	7.98	78.2	5.89		33289		N, Y sample collected.
210		E: 294591.1553 N: 6132850.486		23.3	.95	70.9	67.0		31622		N, Y sample collected.
211		E: 294994.521 N: 6132922.111		23.3	7.80	72.6	5.38		42621		N, 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 20: 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
	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
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
Field ID	**Date**																				
3365/SW301 W/1	**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
3365/SW301 W/2	**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
3365/SW302 W/1	**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
3365/SW302 W/2	**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
3365/SW303 W/1	**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
3365/SW303 W/2	**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
3365/SW304 W/1	**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
3365/SW304 W/2	**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
3365/SW305 W/1	**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
3365/SW305 W/2	**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
3365/SW306 W/1	**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
3365/SW306 W/2	**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
3365/SW307 W/1	**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
3365/SW307 W/2	**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
3365/SW308 W/1	**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
3365/SW308 W/2	**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
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
Number of Detects		0	5	0	0	5	5	5	12	0	15	2	0	16	16	12	0	16	14	16	8	0
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
Minimum Detect		ND	59	ND	ND	60	100	100	0.001	ND	0.6	0.05	ND	6	0.26	0.001	ND	0.001	0.001	0.85	0.001	ND
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
Maximum Detect		ND	610	ND	ND	610	13,000	13,000	0.01	ND	1.3	0.05	ND	130	3.6	0.002	ND	0.004	0.005	4.5	0.005	ND
Average Concentration *		5	86	50	50	87	2,088	2,088	0.0034	0.1	0.77	0.028	0.0025	50	1.3	0.001	0.00005	0.0021	0.0024	2.2	0.0014	0.000025
Median Concentration *		5	25	50	50	25	400	400	0.002	0.1	0.65	0.025	0.0025	31	0.835	0.001	0.00005	0.002	0.002	1.9	0.00075	0.000025
Standard Deviation *		0	150	0	0	150	4,465	4,465	0.0032	0	0.32	0.0085	0	41	1.1	0.00045	0	0.00096	0.0014	1.3	0.0014	0
95% UCL (Student's-t) *		5	152.3	50	50	152.3	5,079	5,079	0.00484	0.1	0.906	0.0319	0.0025	68.16	1.79	0.0012	0.00005	0.00254	0.00299	2.735	0.00197	0.000025
% of Detects		0	31	0	0	31	62	62	75	0	94	12	0	100	100	75	0	100	88	100	50	0
% of Non-Detects		100	69	100	100	69	38	38	25	100	6	88	100	0	0	25	100	0	12	0	50	100

* A Non Detect Multiplier of 0.5 has been applied.

				Organochlorine Pesticides																		
		Selenium	Zinc	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
		mg/L	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	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		0.001	0.001	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Field ID	**Date**																					
3365/SW301 W/1	**22 Feb 2023**	<0.001	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW301 W/2	**22 Feb 2023**	<0.001	0.013	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW302 W/1	**22 Feb 2023**	<0.001	0.008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW302 W/2	**22 Feb 2023**	<0.001	0.008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW303 W/1	**20 Feb 2023**	<0.001	0.005	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW303 W/2	**20 Feb 2023**	<0.001	0.012	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW304 W/1	**22 Feb 2023**	<0.001	0.009	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW304 W/2	**22 Feb 2023**	<0.001	0.012	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW305 W/1	**20 Feb 2023**	<0.001	0.008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW305 W/2	**20 Feb 2023**	<0.001	0.007	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW306 W/1	**20 Feb 2023**	<0.001	0.007	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW306 W/2	**20 Feb 2023**	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW307 W/1	**22 Feb 2023**	<0.001	0.036	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW307 W/2	**22 Feb 2023**	<0.001	0.025	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW308 W/1	**20 Feb 2023**	<0.001	0.005	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW308 W/2	**20 Feb 2023**	<0.001	0.008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<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**	**16**	**16**
Number of Detects		**0**	**16**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.001**	**0.002**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Minimum Detect		**ND**	**0.002**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration		**<0.001**	**0.036**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<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 Detect		**ND**	**0.036**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *		**0.0005**	**0.01**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Median Concentration *		**0.0005**	**0.008**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Standard Deviation *		**0**	**0.0086**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *		**0.0005**	**0.0143**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
% of Detects		**0**	**100**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects		**100**	**0**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

		PAH																	PCBs			
		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)	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242
		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	µg/L	µg/L	µg/L	µg/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	2	2	2	2
Field ID	**Date**																					
3365/SW301 W/1	**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	<2	<2	<2	<2
3365/SW301 W/2	**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	<2	<2	<2	<2
3365/SW302 W/1	**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	<2	<2	<2	<2
3365/SW302 W/2	**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	<2	<2	<2	<2
3365/SW303 W/1	**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	<2	<2	<2	<2
3365/SW303 W/2	**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	<2	<2	<2	<2
3365/SW304 W/1	**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	<2	<2	<2	<2
3365/SW304 W/2	**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	<2	<2	<2	<2
3365/SW305 W/1	**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	<2	<2	<2	<2
3365/SW305 W/2	**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	<2	<2	<2	<2
3365/SW306 W/1	**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	<2	<2	<2	<2
3365/SW306 W/2	**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	<2	<2	<2	<2
3365/SW307 W/1	**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	<2	<2	<2	<2
3365/SW307 W/2	**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	<2	<2	<2	<2
3365/SW308 W/1	**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	<2	<2	<2	<2
3365/SW308 W/2	**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	<2	<2	<2	<2

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	0	0	0	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	<2	<2	<2	<2
Minimum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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	<2	<2	<2	<2
Maximum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration *	0.0001	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.05	0.05	0.00025	0.00005	1	1	1	1
Median Concentration *	0.0001	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.05	0.05	0.00025	0.00005	1	1	1	1
Standard Deviation *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95% UCL (Student's-t) *	0.0001	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.05	0.05	0.00025	0.00005	1	1	1	1
% of Detects	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% of Non-Detects	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

* A Non Detect Multiplier of 0.5 has been applied.

					TPH				
		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
EQL		2	2	2	10	50	100	100	50
Field ID	**Date**								
3365/SW301 W/1	**22 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW301 W/2	**22 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW302 W/1	**22 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW302 W/2	**22 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW303 W/1	**20 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW303 W/2	**20 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW304 W/1	**22 Feb 2023**	<2	<2	<2	<10	<50	130	<100	130
3365/SW304 W/2	**22 Feb 2023**	<2	<2	<2	<10	<50	120	<100	120
3365/SW305 W/1	**20 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW305 W/2	**20 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW306 W/1	**20 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW306 W/2	**20 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW307 W/1	**22 Feb 2023**	<2	<2	<2	<10	<50	680	<100	680
3365/SW307 W/2	**22 Feb 2023**	<2	<2	<2	<10	<50	290	<100	290
3365/SW308 W/1	**20 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW308 W/2	**20 Feb 2023**	<2	<2	<2	<10	<50	100	<100	100

Statistics

Number of Results	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**5**	**0**	**5**
Minimum Concentration	**<2**	**<2**	**<2**	**<10**	**<50**	**100**	**<100**	**<50**
Minimum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**100**	**ND**	**100**
Maximum Concentration	**<2**	**<2**	**<2**	**<10**	**<50**	**680**	**<100**	**680**
Maximum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**680**	**ND**	**680**
Average Concentration *	**1**	**1**	**1**	**5**	**25**	**117**	**50**	**100**
Median Concentration *	**1**	**1**	**1**	**5**	**25**	**50**	**50**	**25**
Standard Deviation *	**0**	**0**	**0**	**0**	**0**	**163**	**0**	**170**
95% UCL (Student's-t) *	**1**	**1**	**1**	**5**	**25**	**188.2**	**50**	**174.4**
% of Detects	**0**	**0**	**0**	**0**	**0**	**31**	**0**	**31**
% of Non-Detects	**100**	**100**	**100**	**100**	**100**	**69**	**100**	**69**

* A Non Detect Multiplier of 0.5 has been applied.

Table 21: 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
	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
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
Field ID	**Date**																				
3365/SW201 W/1	**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
3365/SW201 W/2	**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
3365/SW202 W/1	**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
3365/SW202 W/2	**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
3365/SW203 W/1	**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
3365/SW203 W/2	**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
3365/SW204 W/1	**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
3365/SW204 W/2	**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
3365/SW205 W/1	**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
3365/SW205 W/1	**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
3365/SW206 W/1	**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
3365/SW206 W/2	**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
3365/SW207 W/1	**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
3365/SW207 W/2	**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
3365/SW208 W/1	**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
3365/SW208 W/2	**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
3365/SW209 W/1	**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
3365/SW209 W/2	**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
3365/SW210 W/1	**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
3365/SW210 W/2	**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
3365/SW211 W/1	**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
3365/SW211 W/2	**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
3365/SW212 W/1	**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
3365/SW212 W/2	**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
3365/SW213 W/1	**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
3365/SW213 W/2	**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
3365/SW214 W/1	**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
3365/SW214 W/2	**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
3365/SW215 W/1	**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
3365/SW215 W/2	**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
3365/SW216 W/1	**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
3365/SW216 W/2	**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
3365/SW217 W/1	**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
3365/SW217 W/2	**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

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**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**20**	**0**	**29**	**3**	**34**	**27**	**34**	**34**	**0**	**2**	**3**	**34**	**1**	**0**
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**
Minimum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.001**	**ND**	**0.1**	**0.05**	**0.006**	**5**	**0.04**	**0.001**	**ND**	**0.001**	**0.001**	**0.07**	**0.001**	**ND**
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**
Maximum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.009**	**ND**	**0.3**	**0.2**	**0.02**	**140**	**1.8**	**0.004**	**ND**	**0.002**	**0.002**	**2.8**	**0.001**	**ND**
Average Concentration *	**5**	**25**	**50**	**50**	**25**	**105**	**105**	**0.0014**	**0.1**	**0.13**	**0.043**	**0.01**	**11**	**0.14**	**0.0016**	**0.00005**	**0.00056**	**0.00057**	**0.25**	**0.00051**	**0.000025**
Median Concentration *	**5**	**25**	**50**	**50**	**25**	**50**	**50**	**0.001**	**0.1**	**0.1**	**0.0375**	**0.009**	**6.5**	**0.09**	**0.002**	**0.00005**	**0.0005**	**0.0005**	**0.16**	**0.0005**	**0.000025**
Standard Deviation *	**0**	**0**	**0**	**0**	**0**	**171**	**171**	**0.0016**	**0**	**0.063**	**0.031**	**0.0043**	**23**	**0.3**	**0.00066**	**0**	**0.00027**	**0.00028**	**0.46**	**0.000086**	**0**
95% UCL (Student's-t) *	**5**	**25**	**50**	**50**	**25**	**154.9**	**154.9**	**0.00184**	**0.1**	**0.149**	**0.0515**	**0.0116**	**17.47**	**0.226**	**0.00178**	**0.00005**	**0.00063681**	**0.00065447**	**0.38**	**0.00053959**	**0.000025**
% of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**59**	**0**	**85**	**9**	**100**	**79**	**100**	**100**	**0**	**6**	**9**	**100**	**3**	**0**
% of Non-Detects	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**41**	**100**	**15**	**91**	**0**	**21**	**0**	**0**	**100**	**94**	**91**	**0**	**97**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

				Organochlorine Pesticides																		
		Selenium	Zinc	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
		mg/L	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	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		0.001	0.001	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Field ID	**Date**																					
3365/SW201 W/1	**21 Feb 2023**	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW201 W/2	**21 Feb 2023**	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW202 W/1	**21 Feb 2023**	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW202 W/2	**21 Feb 2023**	<0.001	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW203 W/1	**21 Feb 2023**	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW203 W/2	**21 Feb 2023**	<0.001	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW204 W/1	**23 Feb 2023**	<0.001	0.006	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW204 W/2	**23 Feb 2023**	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW205 W/1	**21 Feb 2023**	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW205 W/1	**21 Feb 2023**	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW206 W/1	**21 Feb 2023**	<0.001	0.005	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW206 W/2	**21 Feb 2023**	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW207 W/1	**21 Feb 2023**	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW207 W/2	**21 Feb 2023**	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW208 W/1	**21 Feb 2023**	<0.001	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW208 W/2	**21 Feb 2023**	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW209 W/1	**21 Feb 2023**	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW209 W/2	**21 Feb 2023**	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW210 W/1	**21 Feb 2023**	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW210 W/2	**21 Feb 2023**	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW211 W/1	**21 Feb 2023**	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW211 W/2	**21 Feb 2023**	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW212 W/1	**21 Feb 2023**	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW212 W/2	**21 Feb 2023**	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW213 W/1	**21 Feb 2023**	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW213 W/2	**21 Feb 2023**	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW214 W/1	**21 Feb 2023**	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW214 W/2	**21 Feb 2023**	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW215 W/1	**21 Feb 2023**	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW215 W/2	**21 Feb 2023**	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW216 W/1	**21 Feb 2023**	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW216 W/2	**21 Feb 2023**	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW217 W/1	**21 Feb 2023**	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
3365/SW217 W/2	**21 Feb 2023**	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<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**	**34**	**34**
Number of Detects		**0**	**12**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.001**	**0.001**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**
Minimum Detect		**ND**	**0.001**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration		**<0.001**	**0.006**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<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 Detect		**ND**	**0.006**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *		**0.0005**	**0.0011**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Median Concentration *		**0.0005**	**0.0005**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Standard Deviation *		**0**	**0.0013**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *		**0.0005**	**0.00151**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
% of Detects		**0**	**35**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects		**100**	**65**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

		PAH																PCBs			
		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)	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242
		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	µg/L	µg/L	µg/L	µg/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	2	2	2	2
Field ID	**Date**																					
3365/SW201 W/1	**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	<2	<2	<2	<2
3365/SW201 W/2	**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	<2	<2	<2	<2
3365/SW202 W/1	**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	<2	<2	<2	<2
3365/SW202 W/2	**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	<2	<2	<2	<2
3365/SW203 W/1	**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	<2	<2	<2	<2
3365/SW203 W/2	**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	<2	<2	<2	<2
3365/SW204 W/1	**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	<2	<2	<2	<2
3365/SW204 W/2	**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	<2	<2	<2	<2
3365/SW205 W/1	**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	<2	<2	<2	<2
3365/SW205 W/1	**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	<2	<2	<2	<2
3365/SW206 W/1	**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	<2	<2	<2	<2
3365/SW206 W/2	**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	<2	<2	<2	<2
3365/SW207 W/1	**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	<2	<2	<2	<2
3365/SW207 W/2	**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	<2	<2	<2	<2
3365/SW208 W/1	**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	<2	<2	<2	<2
3365/SW208 W/2	**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	<2	<2	<2	<2
3365/SW209 W/1	**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	<2	<2	<2	<2
3365/SW209 W/2	**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	<2	<2	<2	<2
3365/SW210 W/1	**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	<2	<2	<2	<2
3365/SW210 W/2	**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	<2	<2	<2	<2
3365/SW211 W/1	**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	<2	<2	<2	<2
3365/SW211 W/2	**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	<2	<2	<2	<2
3365/SW212 W/1	**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	<2	<2	<2	<2
3365/SW212 W/2	**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	<2	<2	<2	<2
3365/SW213 W/1	**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	<2	<2	<2	<2
3365/SW213 W/2	**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	<2	<2	<2	<2
3365/SW214 W/1	**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	<2	<2	<2	<2
3365/SW214 W/2	**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	<2	<2	<2	<2
3365/SW215 W/1	**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	<2	<2	<2	<2
3365/SW215 W/2	**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	<2	<2	<2	<2
3365/SW216 W/1	**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	<2	<2	<2	<2
3365/SW216 W/2	**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	<2	<2	<2	<2
3365/SW217 W/1	**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	<2	<2	<2	<2
3365/SW217 W/2	**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	<2	<2	<2	<2
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**
Number of Detects		**0**	**0**	**0**	**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**	**<2**	**<2**	**<2**	**<2**
Minimum Detect		**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
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**	**<2**	**<2**	**<2**	**<2**
Maximum Detect		**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *		**0.0001**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.05**	**0.05**	**0.00025**	**0.00005**	**1**	**1**	**1**	**1**
Median Concentration *		**0.0001**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.05**	**0.05**	**0.00025**	**0.00005**	**1**	**1**	**1**	**1**
Standard Deviation *		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *		**0.0001**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.05**	**0.05**	**0.00025**	**0.00005**	**1**	**1**	**1**	**1**
% of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects		**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

					TPH				
		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
EQL		2	2	2	10	50	100	100	50
Field ID	**Date**								
3365/SW201 W/1	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW201 W/2	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW202 W/1	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW202 W/2	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW203 W/1	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW203 W/2	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW204 W/1	**23 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW204 W/2	**23 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW205 W/1	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW205 W/1	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW206 W/1	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW206 W/2	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW207 W/1	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW207 W/2	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW208 W/1	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW208 W/2	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW209 W/1	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW209 W/2	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW210 W/1	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW210 W/2	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW211 W/1	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW211 W/2	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW211 W/1	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW211 W/2	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW212 W/1	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW212 W/2	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW213 W/1	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW213 W/2	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW214 W/1	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW214 W/2	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW215 W/1	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW215 W/2	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW216 W/1	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW216 W/2	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW217 W/1	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50
3365/SW217 W/2	**21 Feb 2023**	<2	<2	<2	<10	<50	<100	<100	<50

Statistics

Number of Results	**34**	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Minimum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration	**<2**	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Maximum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *	**1**	**1**	**1**	**5**	**25**	**50**	**50**	**25**
Median Concentration *	**1**	**1**	**1**	**5**	**25**	**50**	**50**	**25**
Standard Deviation *	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *	**1**	**1**	**1**	**5**	**25**	**50**	**50**	**25**
% of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

Table 22: 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	10.5
302						
303	32.7	7.74	149.2	1.38	25590	66.73
304	19.7	5.62	150.6	3.02	98.5	76.4
305	26	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	28.29
308	24.5	5.19	171	1.69	385.8	29.12

Table 23: 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	10.5
max	32.7	8.17	171	3.02	31218	76.4
mean	25.34	6.34	149.40	2.14	11579.00	33.69
median	24.5	5.84	149.2	1.69	385.8	28.29
range	13	3.11	52.7	1.64	31119.5	65.9

Table 24: 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	57660	-2.22
203	23.8	8.13	155.2	1.61	49204	-1.46
204	20.7	7.12	98	3.13	43526	17
205	23.6	8.2	163.3	1.62	49861	-1.14
206	23.2	8.2	169.1	1.64	50947	-3.05
207	23.9	8.14	157.7	1.63	47923	-2.37
208	22.7	8.23	156.9	1.63	52335	-3.01
209	23.1	8.19	159.7	1.65	50903	-0.3
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	19116	-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
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 25: 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	1.56	19116	-3.17
max	25.5	8.27	169.1	3.13	57660	17
mean	23.51	8.08	144.96	1.71	47197.88	-0.11
median	23.8	8.13	155.2	1.63	49204	-1.46
range	4.8	1.15	71.1	1.57	38544	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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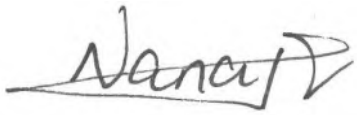
Results Approved By
Dragana Tomas, Senior Chemist
Greta Petzold, Assistant Operation Manager
Hannah Nguyen, Metals Supervisor
Josh Williams, Organics Supervisor
Kyle Gavrily, Senior Chemist
Loren Bardwell, Development Chemist
Priya Samarawickrama, Senior Chemist

Authorised By



Nancy Zhang, Laboratory Manager

vTRH in Water (C6-C9) NEPM						
Our Reference		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 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	
3365/GW01						X	
3365/GW02						X	
3365/GW03						X	
3365/GW04						X	
3365/GW05						X	
3365/GW06						X	
3365/GW07						X	
						X	
3365/SW101	X	X	X	X			
3365/SW102	X	X	X	X			
3365/SW103	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	X	X	X	X			
3365/SW201 W/2	X	X	X	X			
3365/SW202 W/1	X	X	X	X			
3365/SW202 W/2	X	X	X	X			
3365/SW203 W/1	X	X	X	X			
3365/SW203 W/2	X	X	X	X			
3365/SW204 W/1	X	X	X	X			
3365/SW204 W/2	X	X	X	X			
3365/SW205 W/1	X	X	X	X			
3365/SW205 W/1	X	X	X	X			
3365/SW206 W/1	X	X	X	X			
3365/SW206 W/2	X	X	X	X			
3365/SW207 W/1	X	X	X	X			
3365/SW207 W/2	X	X	X	X			
3365/SW208 W/1	X	X	X	X			
3365/SW208 W/2	X	X	X	X			
3365/SW209 W/1	X	X	X	X			
3365/SW209 W/2	X	X	X	X			
3365/SW210 W/1	X	X	X	X			
3365/SW210 W/2	X	X	X	X			
3365/SW211 W/1	X	X	X	X			
3365/SW211 W/2	X	X	X	X			
3365/SW212 W/1	X	X	X	X			
3365/SW212 W/2	X	X	X	X			
3365/SW213 W/1	X	X	X	X			
3365/SW213 W/2	X	X	X	X			
3365/SW214 W/1	X	X	X	X			
3365/SW214 W/2	X	X	X	X			
3365/SW215 W/1	X	X	X	X			
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	
3365/SW216 W/1	X	X	X	X			
3365/SW216 W/2	X	X	X	X			
3365/SW217 W/1	X	X	X	X			
3365/SW217 W/2	X	X	X	X			
3365/SW301 W/1	X	X	X	X			
3365/SW301 W/2	X	X	X	X			
3365/SW302 W/1	X	X	X	X			
3365/SW302 W/2	X	X	X	X			
3365/SW303 W/1	X	X	X	X			
3365/SW303 W/2	X	X	X	X			
3365/SW304 W/1	X	X	X	X			
3365/SW304 W/2	X	X	X	X			
3365/SW305 W/1	X	X	X	X			
3365/SW305 W/2	X	X	X	X			
3365/SW306 W/2	X	X	X	X			
3365/SW306 W/1	X	X	X	X			
3365/SW306 W/2	X	X	X	X			
3365/SW307 W/1	X	X	X	X			
3365/SW307 W/2	X	X	X	X			
3365/SW308 W/1	X	X	X	X			
3365/SW308 W/2	X	X	X	X			
3365/DUP01	X						
3365/DUP02	X						
3365/DUP03	X						
3365/DUP04	X						
3365/GW DUP01					X		

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 (2nd)

WET WEATHER (Y/N): N

DATE: 20 – 23 / 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, % Sat)	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		19.8	6.60	-94.3	3.64		264.4	172.12	(Dup05), Organic odour, Y sample collected.
102		E: 293965.373 N: 6132268.998									Y sample collected.
103	13:28 / 12:43	E: 294551.5727 N: 6132544.192		20.7 / 20.3	7.60 / 6.40	11.2 / -12.1	1.78 / 3.75		79.4 / 180.5	-1.07 / 522.46	23/02/2023 results / 20/02/2023 results
301	11:00	E: 294133.1279 N: 6132132.344		20.9	5.84	167.4	2.96		168.7	10.50	Dup03, clear, odourless, Y sample collected.
302		E: 294417.7457 N: 6131862.805									Y sample collected.
303	16:00	E: 294968.1325 N: 6131646.043		32.7	7.74	149.2	1.38		25590	66.73	Y sample collected.
304	13:11	E: 293592.1655 N: 6131495.252		19.7	5.62	150.6	3.02		98.5	76.4	Odourless, clear, dup04, Y sample collected.
305	12:17	E: 293972.9125 N: 6131247.39		26.0	6.78	147.9	1.54		23212	11.84	Y sample collected.
306	13:00	E: 294344.2352 N: 6130631.032		32.5	8.17	118.3	1.39		31218	12.96	Y sample collected.
307	11:46	E: 292325.5219 N: 6131083.405		21.1	5.06	141.4	2.99		380.0	28.29	Odourless, clear, Y sample collected.
308	11:45	E: 293716.568 N: 6130800.672		24.5	5.19	171.0	1.69		385.8	29.12	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 (2nd)

WET WEATHER (Y/N): N

DATE: 20 – 23 / 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, % Sat)	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		25.5	7.96	161.8	1.58		41806	-1.57	Clear, odourless.
202	11:53	E: 292093.6809 N: 6132720.429		24.4	8.13	166.9	1.56		57660	-2.22	Clear, odourless.
203	11:45	E: 292802.3981 N: 6133121.909		23.8	8.13	155.2	1.61		49204	-1.46	Clear, odourless.
204	11:56	E: 293266.0802 N: 6132876.874		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		23.6	8.20	163.3	1.62		49861	-1.14	Clear, odourless.
206	11:27	E: 293650.597 N: 6133344.326		23.2	8.20	169.1	1.64		50947	-3.05	Clear, odourless.
207	11:14	E: 293920.1357 N: 6133182.226		23.9	8.14	157.7	1.63		47923	-2.37	Clear, odourless.
208	11:19	E: 293893.7473 N: 6133355.635		22.7	8.23	156.9	1.63		52335	-3.01	Clear, odourless.

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 (2nd) | SAMPLED BY: TR + WX + BTM

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

SITE LOCATION: Culburra | DATE: 20 – 23 / 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, % Sat)	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		23.1	8.19	159.7	1.65		50903	-0.30	Dup02, Clear, odourless.
210	10:52	E: 294591.1553 N: 6132850.486		24.4	8.07	152.7	1.62		45613	0.57	Clear, odourless.
211	10:45	E: 294994.521 N: 6132922.111		24.9	8.02	146.7	1.61		43688	1.04	Clear, odourless.
212	11:01	E: 294583.6157 N: 6133133.219		23.9	8.11	156.5	1.61		19116	-0.62	Clear, odourless.
213	10:38	E: 294847.4998 N: 6133472.498		24.2	8.02	141.8	1.64		45632	3.32	Clear, odourless.
214	10:20	E: 294994.521 N: 6133970.108		24.3	8.07	129.5	1.62		45614	-0.00	Di[Clear, odourless.
215	10:17	E: 293950.2939 N: 6133668.526		22.5	8.25	128.4	1.67		52384	-3.01	Dup01, Clear, odourless.
216	9:55	E: 293079.4764 N: 6134471.488		22.2	8.26	103.6	1.68		53047	-3.17	Clear, odourless.
217	10:05	E: 293520.5398 N: 6134963.443		22.3	8.27	116.5	1.63		53105	-1.89	Clear, odourless.

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. 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		2.76mS		306772	2762mS
2. Temp		23.4°C		Testo	22.5°C
3. pH 4		pH 4.00		389384	pH 3.94
4. pH 7		pH 7.00		393774	pH 6.92
5. DO		0.0%		391223	-0.2%
6. mV		235.6mV		395557/395763	235.8mV

Calibrated by: **Lebelle Chee**

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

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

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 26: 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)	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	4,4-DDE
		µg/L	µg/L	µg/L	µg/L	µg/L	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	µg/L
Field ID	**Date**																					
3365/SW205	**20 Mar 2023**	<10	<50	<100	<100	<50	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	<0.2
3365/SW207	**20 Mar 2023**	<10	100	<100	<100	100	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	<0.2
3365/SW210	**20 Mar 2023**	<10	<50	<100	<100	<50	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	<0.2
3365/SW211	**20 Mar 2023**	<10	150	<100	<100	150	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	<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**	**4**	**4**
Number of Detects		**0**	**2**	**0**	**0**	**2**	**4**	**0**	**4**	**2**	**4**	**4**	**4**	**4**	**2**	**2**	**4**	**2**	**0**	**0**	**3**	**0**
Minimum Concentration		**<10**	**<50**	**<100**	**<100**	**<50**	**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**	**<0.2**
Minimum Detect		**ND**	**100**	**ND**	**ND**	**100**	**0.001**	**ND**	**0.2**	**0.1**	**0.008**	**10**	**0.07**	**0.001**	**0.003**	**0.001**	**0.19**	**0.002**	**ND**	**ND**	**0.004**	**ND**
Maximum Concentration		**<10**	**150**	**<100**	**<100**	**150**	**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**	**<0.2**
Maximum Detect		**ND**	**150**	**ND**	**ND**	**150**	**0.008**	**ND**	**0.2**	**0.2**	**0.02**	**360**	**2**	**0.006**	**0.004**	**0.002**	**4.7**	**0.003**	**ND**	**ND**	**0.016**	**ND**
Average Concentration *		**5**	**75**	**50**	**50**	**75**	**0.0032**	**0.1**	**0.2**	**0.1**	**0.014**	**128**	**0.82**	**0.0032**	**0.002**	**0.001**	**2.1**	**0.0015**	**0.000025**	**0.0005**	**0.0079**	**0.1**
Median Concentration *		**5**	**62.5**	**50**	**50**	**62.5**	**0.002**	**0.1**	**0.2**	**0.075**	**0.015**	**70.5**	**0.605**	**0.003**	**0.00175**	**0.00075**	**1.66**	**0.00125**	**0.000025**	**0.0005**	**0.0075**	**0.1**
Standard Deviation *		**0**	**61**	**0**	**0**	**61**	**0.0032**	**0**	**0**	**0.071**	**0.0064**	**163**	**0.92**	**0.0022**	**0.0018**	**0.00071**	**2.2**	**0.0012**	**0**	**0**	**0.007**	**0**
95% UCL (Student's-t) *		**5**	**147.1**	**50**	**50**	**147.1**	**0.00702**	**0.1**	**0.2**	**0.183**	**0.022**	**319**	**1.902**	**0.00586**	**0.00409**	**0.00183**	**4.678**	**0.00294**	**0.000025**	**0.0005**	**0.0161**	**0.1**
% of Detects		**0**	**50**	**0**	**0**	**50**	**100**	**0**	**100**	**50**	**100**	**100**	**100**	**100**	**50**	**50**	**100**	**50**	**0**	**0**	**75**	**0**
% of Non-Detects		**100**	**50**	**100**	**100**	**50**	**0**	**100**	**0**	**50**	**0**	**0**	**0**	**0**	**50**	**50**	**0**	**50**	**100**	**100**	**25**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

		Organochlorine Pesticides																				
		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	Benzo(b+j+k)fluoranthene	Acenaphthene	Acenaphthylene
		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	mg/L	µg/L	µg/L
Field ID	**Date**																					
3365/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	<0.0002	<0.1	<0.1
3365/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	<0.0002	<0.1	<0.1
3365/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	<0.0002	<0.1	<0.1
3365/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	<0.0002	<0.1	<0.1
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**
Number of Detects		**0**	**0**	**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**	**<0.0002**	**<0.1**	**<0.1**
Minimum Detect		**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
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**	**<0.0002**	**<0.1**	**<0.1**
Maximum Detect		**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *		**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0001**	**0.05**	**0.05**
Median Concentration *		**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0001**	**0.05**	**0.05**
Standard Deviation *		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *		**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0001**	**0.05**	**0.05**
% of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects		**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

		PAH														PCBs						
		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)	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260
		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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Field ID	**Date**																					
3365/SW205	**20 Mar 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2
3365/SW207	**20 Mar 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2
3365/SW210	**20 Mar 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2
3365/SW211	**20 Mar 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2
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**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**
Minimum Detect		**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration		**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**	**<2**
Maximum Detect		**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *		**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.05**	**0.05**	**0.00025**	**0.00005**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Median Concentration *		**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.05**	**0.05**	**0.00025**	**0.00005**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Standard Deviation *		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *		**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.05**	**0.05**	**0.00025**	**0.00005**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
% of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects		**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

		TPH				
		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
Field ID	**Date**					
3365/SW205	**20 Mar 2023**	<10	<50	<100	<100	<50
3365/SW207	**20 Mar 2023**	<10	<50	<100	<100	<50
3365/SW210	**20 Mar 2023**	<10	<50	<100	<100	<50
3365/SW211	**20 Mar 2023**	<10	<50	140	<100	140

Statistics

Number of Results	**4**	**4**	**4**	**4**	**4**
Number of Detects	**0**	**0**	**1**	**0**	**1**
Minimum Concentration	**<10**	**<50**	**<100**	**<100**	**<50**
Minimum Detect	**ND**	**ND**	**140**	**ND**	**140**
Maximum Concentration	**<10**	**<50**	**140**	**<100**	**140**
Maximum Detect	**ND**	**ND**	**140**	**ND**	**140**
Average Concentration *	**5**	**25**	**72**	**50**	**54**
Median Concentration *	**5**	**25**	**50**	**50**	**25**
Standard Deviation *	**0**	**0**	**45**	**0**	**58**
95% UCL (Student's-t) *	**5**	**25**	**125.5**	**50**	**121.4**
% of Detects	**0**	**0**	**25**	**0**	**25**
% of Non-Detects	**100**	**100**	**75**	**100**	**75**

* A Non Detect Multiplier of 0.5 has been applied.

Table 27: Estuary surface water – water quality data event 4

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	EC (uS/cm)	Turbidity (ntu)
205	22.1	7.5	146.4	96.7	37965	0.39
207	23	7.42	189.9	98.3	41778	18.22
210	23.2	7.96	131	96.8	33776	0.81
211	21.6	7.93	64.3	99	38267	0.46

Table 28: Estuary surface water – water quality data event 4 statistical summary

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	EC (uS/cm)	Turbidity (ntu)
min	21.6	7.42	64.3	96.7	33776	0.39
max	23.2	7.96	189.9	99	41778	18.22
mean	22.48	7.70	132.90	97.70	37946.50	4.97
median	22.55	7.715	138.7	97.55	38116	0.635
range	1.6	0.54	125.6	2.3	8002	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

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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				

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/GW201						X	
3365/GW202						X	
3365/GW203						X	
3365/GW204						X	
3365/GW205						X	
3365/GW206						X	
3365/GW207						X	
3365/SW101	X	X	X	X			
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	
3365/SW103	x	x	x	x			
3365/SW205	X	X	X	X			
3365/SW207	X	X	X	X			
3365/SW210	X	X	X	X			
3365/SW211	X	X	X	X			
3365/GWDUP01					**X**		
3365/DUP01	X						
3365/DUP02	X						

Field Sheet Event 4

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 (2nd)

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 (mg/L, % 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		22.1	7.50	146.4	96.7		37965	0.39	
207	14:25	E: 293920.1357 N: 6133182.226		23.0	7.42	189.9	98.3		41778	18.22	
210	16:00	E: 294591.1553 N: 6132850.486		23.2	7.96	131.0	96.8		33776	0.81	
211	10:15	E: 294994.521 N: 6132922.111		21.6	7.93	64.3	99.0		38267	0.46	

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 29: 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
	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
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
Field ID	**Date**																				
3365/SW301 W/1	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
3365/SW301 W/2	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
3365/SW302 W/1	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
3365/SW302 W/2	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
3365/SW303 W/1	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
3365/SW303 W/2	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
3365/SW304 W/1	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
3365/SW304 W/2	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
3365/SW305 W/1	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
3365/SW305 W/2	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
3365/SW306 W/1	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
3365/SW306 W/2	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
3365/SW307 W/1	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
3365/SW307 W/2	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
3365/SW308 W/1	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
3365/SW308 W/2	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
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
Number of Detects		0	4	2	0	4	9	9	12	0	16	4	0	14	16	7	10	9	16	5	0	0
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
Minimum Detect		ND	91	120	ND	90	150	150	0.001	ND	0.3	0.05	ND	6	0.2	0.001	0.001	0.001	0.47	0.001	ND	ND
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
Maximum Detect		ND	180	130	ND	320	17,000	17,000	0.03	ND	0.8	0.1	ND	420	2.8	0.002	0.003	0.004	3.9	0.005	ND	ND
Average Concentration *		5	49	59	50	65	2,875	2,875	0.0054	0.1	0.57	0.064	0.0025	75	0.8	0.00097	0.0011	0.0015	1.5	0.0011	0.000025	0.0005
Median Concentration *		5	25	50	50	25	330	330	0.0025	0.1	0.6	0.025	0.0025	15.5	0.585	0.0005	0.001	0.001	0.81	0.0005	0.000025	0.0005
Standard Deviation *		0	46	26	0	87	5,053	5,053	0.0075	0	0.17	0.076	0	137	0.69	0.00064	0.00074	0.0011	1.1	0.0013	0	0
95% UCL (Student's-t) *		5	69.11	70.63	50	103.1	5,636	5,636	0.00873	0.1	0.645	0.0975	0.0025	134.9	1.101	0.00125	0.00145	0.00197	1.989	0.00164	0.000025	0.0005
% of Detects		0	25	12	0	25	82	82	75	0	100	25	0	88	100	44	62	56	100	31	0	0
% of Non-Detects		100	75	88	100	75	18	18	25	100	0	75	100	12	0	56	38	44	0	69	100	100

* A Non Detect Multiplier of 0.5 has been applied.

			Organochlorine Pesticides																			
		Zinc	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	Benzo(b+j+k)fluoranthene
		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	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
EQL		0.001	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0002
Field ID	**Date**																					
3365/SW301 W/1	**17 Apr 2023**	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW301 W/2	**17 Apr 2023**	0.009	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW302 W/1	**17 Apr 2023**	0.007	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW302 W/2	**17 Apr 2023**	0.009	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW303 W/1	**17 Apr 2023**	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW303 W/2	**17 Apr 2023**	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW304 W/1	**17 Apr 2023**	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW304 W/2	**17 Apr 2023**	0.03	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW305 W/1	**17 Apr 2023**	0.008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW305 W/2	**17 Apr 2023**	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW306 W/1	**17 Apr 2023**	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW306 W/2	**17 Apr 2023**	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW307 W/1	**17 Apr 2023**	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW307 W/2	**17 Apr 2023**	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW308 W/1	**17 Apr 2023**	0.006	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW308 W/2	**17 Apr 2023**	0.011	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
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**
Number of Detects		**16**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**0.001**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.0002**
Minimum Detect		**0.001**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration		**0.03**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.0002**
Maximum Detect		**0.03**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *		**0.0088**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0001**
Median Concentration *		**0.009**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0001**
Standard Deviation *		**0.0065**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *		**0.0116**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0001**
% of Detects		**100**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects		**0**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

		PAH																PCBs				
		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)	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248
		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	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0005	0.0001	2	2	2	2	2
Field ID	**Date**																					
3365/SW301 W/1	**17 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW301 W/2	**17 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW302 W/1	**17 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW302 W/2	**17 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW303 W/1	**17 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW303 W/2	**17 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW304 W/1	**17 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW304 W/2	**17 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW305 W/1	**17 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW305 W/2	**17 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW306 W/1	**17 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW306 W/2	**17 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW307 W/1	**17 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW307 W/2	**17 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW308 W/1	**17 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW308 W/2	**17 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
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**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**	**<2**	**<2**	**<2**	**<2**	**<2**
Minimum Detect		**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration		**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**	**<2**	**<2**	**<2**	**<2**	**<2**
Maximum Detect		**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *		**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.05**	**0.05**	**0.00025**	**0.00005**	**1**	**1**	**1**	**1**	**1**
Median Concentration *		**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.05**	**0.05**	**0.00025**	**0.00005**	**1**	**1**	**1**	**1**	**1**
Standard Deviation *		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *		**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.05**	**0.05**	**0.00025**	**0.00005**	**1**	**1**	**1**	**1**	**1**
% of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects		**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

				TPH				
		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
EQL		2	2	10	50	100	100	50
Field ID	**Date**							
3365/SW301 W/1	**17 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW301 W/2	**17 Apr 2023**	<2	<2	<10	120	<100	<100	120
3365/SW302 W/1	**17 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW302 W/2	**17 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW303 W/1	**17 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW303 W/2	**17 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW304 W/1	**17 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW304 W/2	**17 Apr 2023**	<2	<2	<10	<50	120	<100	120
3365/SW305 W/1	**17 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW305 W/2	**17 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW306 W/1	**17 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW306 W/2	**17 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW307 W/1	**17 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW307 W/2	**17 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW308 W/1	**17 Apr 2023**	<2	<2	<10	<50	120	<100	120
3365/SW308 W/2	**17 Apr 2023**	<2	<2	<10	<50	250	<100	250

Statistics

Number of Results	**16**	**16**	**16**	**16**	**16**	**16**	**16**
Number of Detects	**0**	**0**	**0**	**1**	**3**	**0**	**4**
Minimum Concentration	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Minimum Detect	**ND**	**ND**	**ND**	**120**	**120**	**ND**	**120**
Maximum Concentration	**<2**	**<2**	**<10**	**120**	**250**	**<100**	**250**
Maximum Detect	**ND**	**ND**	**ND**	**120**	**250**	**ND**	**250**
Average Concentration *	**1**	**1**	**5**	**31**	**71**	**50**	**57**
Median Concentration *	**1**	**1**	**5**	**25**	**50**	**50**	**25**
Standard Deviation *	**0**	**0**	**0**	**24**	**53**	**0**	**64**
95% UCL (Student's-t) *	**1**	**1**	**5**	**41.35**	**94.6**	**50**	**84.92**
% of Detects	**0**	**0**	**0**	**6**	**19**	**0**	**25**
% of Non-Detects	**100**	**100**	**100**	**94**	**81**	**100**	**75**

* A Non Detect Multiplier of 0.5 has been applied.

Table 30: 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
	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
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
Field ID	**Date**																				
3365/SW201 W/1	**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
3365/SW201 W/2	**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
3365/SW202 W/1	**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
3365/SW202 W/2	**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
3365/SW203 W/1	**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
3365/SW203 W/2	**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
3365/SW204 W/1	**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
3365/SW204 W/2	**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
3365/SW205 W/1	**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
3365/SW205 W/1	**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
3365/SW206 W/1	**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
3365/SW206 W/2	**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
3365/SW207 W/1	**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
3365/SW207 W/2	**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
3365/SW208 W/1	**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
3365/SW208 W/2	**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
3365/SW209 W/1	**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
3365/SW209 W/2	**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
3365/SW210 W/1	**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
3365/SW210 W/2	**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
3365/SW211 W/1	**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
3365/SW211 W/2	**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
3365/SW212 W/1	**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
3365/SW212 W/2	**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
3365/SW213 W/1	**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
3365/SW213 W/2	**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
3365/SW214 W/1	**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
3365/SW214 W/2	**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
3365/SW215 W/1	**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
3365/SW215 W/2	**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
3365/SW216 W/1	**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
3365/SW216 W/2	**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
3365/SW217 W/1	**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
3365/SW217 W/2	**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

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**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**9**	**0**	**28**	**3**	**33**	**17**	**34**	**34**	**9**	**5**	**34**	**2**	**0**	**0**
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**
Minimum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**150**	**150**	**0.001**	**ND**	**0.1**	**0.05**	**0.006**	**5**	**0.03**	**0.001**	**0.001**	**0.001**	**0.042**	**0.001**	**ND**	**ND**
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**
Maximum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**150**	**150**	**0.01**	**ND**	**0.8**	**0.3**	**0.02**	**310**	**2.8**	**0.005**	**0.005**	**0.003**	**4.1**	**0.003**	**ND**	**ND**
Average Concentration *	**5**	**25**	**50**	**50**	**25**	**16**	**16**	**0.00099**	**0.1**	**0.12**	**0.079**	**0.011**	**18**	**0.19**	**0.002**	**0.00081**	**0.00069**	**0.3**	**0.00059**	**0.000025**	**0.0005**
Median Concentration *	**5**	**25**	**50**	**50**	**25**	**5**	**5**	**0.0005**	**0.1**	**0.1**	**0.025**	**0.01**	**3.75**	**0.075**	**0.002**	**0.0005**	**0.0005**	**0.12**	**0.0005**	**0.000025**	**0.0005**
Standard Deviation *	**0**	**0**	**0**	**0**	**0**	**32**	**32**	**0.0017**	**0**	**0.13**	**0.097**	**0.0038**	**60**	**0.5**	**0.00072**	**0.00087**	**0.00055**	**0.76**	**0.00043**	**0**	**0**
95% UCL (Student's-t) *	**5**	**25**	**50**	**50**	**25**	**27.01**	**27.01**	**0.00147**	**0.1**	**0.161**	**0.107**	**0.0117**	**35.68**	**0.335**	**0.00224**	**0.00106**	**0.00085101**	**0.525**	**0.0007144**	**0.000025**	**0.0005**
% of Detects	**0**	**0**	**0**	**0**	**0**	**4**	**4**	**26**	**0**	**82**	**9**	**97**	**50**	**100**	**100**	**26**	**15**	**100**	**6**	**0**	**0**
% of Non-Detects	**100**	**100**	**100**	**100**	**100**	**96**	**96**	**74**	**100**	**18**	**91**	**3**	**50**	**0**	**0**	**74**	**85**	**0**	**94**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

			Organochlorine Pesticides																		
		Zinc	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	Benzo(b+j+k)fluoranthene
		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	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
EQL		0.001	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0002
Field ID	**Date**																					
3365/SW201 W/1	**19 Apr 2023**	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW201 W/2	**19 Apr 2023**	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW202 W/1	**19 Apr 2023**	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW202 W/2	**19 Apr 2023**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW203 W/1	**19 Apr 2023**	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW203 W/2	**19 Apr 2023**	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW204 W/1	**19 Apr 2023**	0.005	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW204 W/2	**19 Apr 2023**	0.014	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW205 W/1	**19 Apr 2023**	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW205 W/1	**19 Apr 2023**	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW206 W/1	**19 Apr 2023**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW206 W/2	**19 Apr 2023**	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW207 W/1	**19 Apr 2023**	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW207 W/2	**19 Apr 2023**	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW208 W/1	**19 Apr 2023**	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW208 W/2	**19 Apr 2023**	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW209 W/1	**19 Apr 2023**	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW209 W/2	**19 Apr 2023**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW210 W/1	**19 Apr 2023**	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW210 W/2	**19 Apr 2023**	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW211 W/1	**19 Apr 2023**	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW211 W/2	**19 Apr 2023**	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW212 W/1	**19 Apr 2023**	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW212 W/2	**19 Apr 2023**	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW213 W/1	**19 Apr 2023**	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW213 W/2	**19 Apr 2023**	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW214 W/1	**19 Apr 2023**	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW214 W/2	**19 Apr 2023**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW215 W/1	**19 Apr 2023**	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW215 W/2	**19 Apr 2023**	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW216 W/1	**19 Apr 2023**	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW216 W/2	**19 Apr 2023**	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW217 W/1	**19 Apr 2023**	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW217 W/2	**19 Apr 2023**	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002

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**
Number of Detects	**30**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**0.001**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.0002**
Minimum Detect	**0.001**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration	**0.014**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.0002**
Maximum Detect	**0.014**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *	**0.0025**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0001**
Median Concentration *	**0.002**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0001**
Standard Deviation *	**0.0024**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *	**0.00322**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0001**
% of Detects	**88**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects	**12**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

		PAH															PCBs				
		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)	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248
		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	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0005	0.0001	2	2	2	2	2
Field ID	**Date**																					
3365/SW201 W/1	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW201 W/2	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW202 W/1	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW202 W/2	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW203 W/1	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW203 W/2	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW204 W/1	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW204 W/2	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW205 W/1	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW205 W/1	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW206 W/1	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW206 W/2	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW207 W/1	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW207 W/2	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW208 W/1	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW208 W/2	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW209 W/1	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW209 W/2	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW210 W/1	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW210 W/2	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW211 W/1	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW211 W/2	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW212 W/1	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW212 W/2	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW213 W/1	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW213 W/2	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW214 W/1	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW214 W/2	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW215 W/1	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW215 W/2	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW216 W/1	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW216 W/2	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW217 W/1	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW217 W/2	**19 Apr 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2

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**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**	**<2**	**<2**	**<2**	**<2**	**<2**
Minimum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**	**<2**	**<2**	**<2**	**<2**	**<2**
Maximum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.05**	**0.05**	**0.00025**	**0.00005**	**1**	**1**	**1**	**1**	**1**
Median Concentration *	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.05**	**0.05**	**0.00025**	**0.00005**	**1**	**1**	**1**	**1**	**1**
Standard Deviation *	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.05**	**0.05**	**0.00025**	**0.00005**	**1**	**1**	**1**	**1**	**1**
% of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

				TPH				
		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
EQL		2	2	10	50	100	100	50
Field ID	**Date**							
3365/SW201 W/1	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW201 W/2	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW202 W/1	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW202 W/2	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW203 W/1	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW203 W/2	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW204 W/1	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW204 W/2	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW205 W/1	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW205 W/1	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW206 W/1	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW206 W/2	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW207 W/1	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW207 W/2	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW208 W/1	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW208 W/2	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW209 W/1	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW209 W/2	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW210 W/1	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW210 W/2	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW211 W/1	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW211 W/2	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW212 W/1	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW212 W/2	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW213 W/1	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW213 W/2	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW214 W/1	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW214 W/2	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW215 W/1	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW215 W/2	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW216 W/1	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW216 W/2	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW217 W/1	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW217 W/2	**19 Apr 2023**	<2	<2	<10	<50	<100	<100	<50

Statistics

Number of Results	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Minimum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Maximum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *	**1**	**1**	**5**	**25**	**50**	**50**	**25**
Median Concentration *	**1**	**1**	**5**	**25**	**50**	**50**	**25**
Standard Deviation *	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *	**1**	**1**	**5**	**25**	**50**	**50**	**25**
% of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

Table 31: Surface water - water quality data event 5

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	EC (uS/cm)
301					
302	16.2	6.98	141.3	-0.14	316.4
303	22.9	8.53	118.2	-0.12	42442
304					
305	21.9	7.94	124.6	-0.13	41522
306	20	8.58	102.8	-0.13	44100
307					
308	16.1	4.51	277.3	-0.2	1048

Table 32: 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)
min	16.1	4.51	102.8	-0.2	316.4
max	22.9	8.58	277.3	-0.12	44100
mean	19.42	7.308	152.84	-0.144	25885.68
median	20	7.94	124.6	-0.13	41522
range	6.8	4.07	174.5	0.08	43783.6

Table 33: 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	47072	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	14.5	7.92	118.4	-0.14	44018	9.49
207	14.6	4.88	213.9	-0.2	586.6	102.46
208	20.2	8	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	7.9	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	7.9	106.4	-0.15	41545	17.33
215	20.5	0.04	128.7	-0.15	48293	8.32
216	20.7	8.03	133.6	-0.13	31615	6.6
217	18.7	7.89	120.6	-0.15	41818	13.26

Table 34: 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	14.5	0.04	91.8	-0.2	586.6	6.6
max	20.7	8.03	213.9	-0.13	48293	102.46
mean	18.66	7.22	121.33	-0.15	39795.62	19.64
median	19.2	7.89	117.9	-0.14	42134	13.31
range	6.2	7.99	122.1	0.07	47706.4	95.86

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

INTERIM REPORT 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	01/05/2023
Interim Report Date	01/05/2023

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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					
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					
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					
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					
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					
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					
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					
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					
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					
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					
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					
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					
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	321448-8
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					
Phosphate as P in water	mg/L	0.005	Inorg-060	<0.005	1	<0.005	<0.005	0	110	130
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	321448-22
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					
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	6	0.091	0.091	0	110	111

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	321448-42
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					
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	8	0.064	[NT]		111	109

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	11	21/04/2023	21/04/2023		[NT]	[NT]
Date analysed	-			[NT]	11	21/04/2023	21/04/2023		[NT]	[NT]
Total Nitrogen in water	mg/L	0.1	Inorg-055/062/127	[NT]	11				[NT]	[NT]
Phosphate as P in water	mg/L	0.005	Inorg-060	[NT]	11	0.02	[NT]		[NT]	[NT]
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				[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				[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				[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				[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				[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				[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				[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.

Lab Document Event 5

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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	
3365/GW01						X	
3365/GW02						X	
3365/GW03						X	
3365/GW04						X	
3365/GW05						X	
3365/GW06						X	
3365/GW07						X	
						X	
3365/SW101	X	X	X	X			
3365/SW102	X	X	X	X			
3365/SW103	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	X	X	X	X			
3365/SW201 W/2	X	X	X	X			
3365/SW202 W/1	X	X	X	X			
3365/SW202 W/2	X	X	X	X			
3365/SW203 W/1	X	X	X	X			
3365/SW203 W/2	X	X	X	X			
3365/SW204 W/1	X	X	X	X			
3365/SW204 W/2	X	X	X	X			
3365/SW205 W/1	X	X	X	X			
3365/SW205 W/1	X	X	X	X			
3365/SW206 W/1	X	X	X	X			
3365/SW206 W/2	X	X	X	X			
3365/SW207 W/1	X	X	X	X			
3365/SW207 W/2	X	X	X	X			
3365/SW208 W/1	X	X	X	X			
3365/SW208 W/2	X	X	X	X			
3365/SW209 W/1	X	X	X	X			
3365/SW209 W/2	X	X	X	X			
3365/SW210 W/1	X	X	X	X			
3365/SW210 W/2	X	X	X	X			
3365/SW211 W/1	X	X	X	X			
3365/SW211 W/2	X	X	X	X			
3365/SW212 W/1	X	X	X	X			
3365/SW212 W/2	X	X	X	X			
3365/SW213 W/1	X	X	X	X			
3365/SW213 W/2	X	X	X	X			
3365/SW214 W/1	X	X	X	X			
3365/SW214 W/2	X	X	X	X			
3365/SW215 W/1	X	X	X	X			
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	
3365/SW216 W/1	X	X	X	X			
3365/SW216 W/2	X	X	X	X			
3365/SW217 W/1	X	X	X	X			
3365/SW217 W/2	X	X	X	X			
3365/SW301 W/1	X	X	X	X			
3365/SW301 W/2	X	X	X	X			
3365/SW302 W/1	X	X	X	X			
3365/SW302 W/2	X	X	X	X			
3365/SW303 W/1	X	X	X	X			
3365/SW303 W/2	X	X	X	X			
3365/SW304 W/1	X	X	X	X			
3365/SW304 W/2	X	X	X	X			
3365/SW305 W/1	X	X	X	X			
3365/SW305 W/2	X	X	X	X			
3365/SW306 W/2	X	X	X	X			
3365/SW306 W/1	X	X	X	X			
3365/SW306 W/2	X	X	X	X			
3365/SW307 W/1	X	X	X	X			
3365/SW307 W/2	X	X	X	X			
3365/SW308 W/1	X	X	X	X			
3365/SW308 W/2	X	X	X	X			
3365/DUP01	X						
3365/DUP02	X						
3365/DUP03	X						
3365/DUP04	X						
3365/GW DUP01					X		

Field Sheet Event 5

WATER SAMPLING FORM - Surface Water

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PROJECT INFORMATION

PROJECT NUMBER: 3365

CLIENT: Sealark Pty Ltd

SITE LOCATION: Culburra

MONTHLY / BIMONTHLY: Bimonthly (3rd)

WET WEATHER (Y/N): N

DATE: 17 – 23 / 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, % Sat)	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		17.0	6.4	93.0	-0.17		198.1		Translucent, pale yellow, pale brown, no sheen
102		E: 293965.373 N: 6132268.998		17.1	9.00	116.2	-0.15		134.4		
103		E: 294551.5727 N: 6132544.192		16.8	6.79	38.8	-0.19		138.8		
301		E: 294133.1279 N: 6132132.344									
302	10:50	E: 294417.7457 N: 6131862.805		16.2	6.98	141.3	-0.14		316.4		
303		E: 294968.1325 N: 6131646.043		22.9	8.53	118.2	-0.12		42442		Translucent, pale brown, no sheen, no odour.
304		E: 293592.1655 N: 6131495.252									
305		E: 293972.9125 N: 6131247.39		21.9	7.94	124.6	-0.13		41522		Translucent, pale brown, no sheen or odour.
306		E: 294344.2352 N: 6130631.032		20.0	8.58	102.8	-0.13		44100		
307		E: 292325.5219 N: 6131083.405									
308		E: 293716.568 N: 6130800.672		16.1	4.51	277.3	-0.20		1048		Translucent, pale brown, no sheen or odour.

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 (3rd)

WET WEATHER (Y/N): N

DATE: 17 – 23 / 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, % Sat)	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		19.1	7.83	108.1	-0.15		41624	7.62	
202		E: 292093.6809 N: 6132720.429		19.3	7.89	110.2	-0.14		47072	9.64	
203		E: 292802.3981 N: 6133121.909		19.6	7.92	113.4	-0.14		43437	13.72	
204		E: 293266.0802 N: 6132876.874		16.9	7.35	91.8	-0.17		33165	42.42	
205		E: 293605.3597 N: 6133080.442		19.2	7.87	120.4	-0.14		42898	11.93	
206		E: 293650.597 N: 6133344.326		14.5	7.92	118.4	-0.14		44018	9.49	
207		E: 293920.1357 N: 6133182.226		14.6	4.88	213.9	-0.20		586.6	102.46	
208		E: 293893.7473 N: 6133355.635		20.2	8.00	122.2	-0.13		46767	9.24	

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 (3rd) | SAMPLED BY: TR + WX

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

SITE LOCATION: Culburra | DATE: 17 – 23 / 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, % Sat)	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		19.9	7.98	118.4	-0.14		45152	16.05	
210		E: 294591.1553 N: 6132850.486		18.2	7.59	115.9	-0.17		43167	17.07	
211		E: 294994.521 N: 6132922.111		18.5	7.90	111.3	-0.15		41215	17.25	
212		E: 294583.6157 N: 6133133.219		19.5	7.93	117.9	-0.14		42134	13.31	
213		E: 294847.4998 N: 6133472.498		19.2	7.88	111.4	-0.14		42019	18.24	
214		E: 294994.521 N: 6133970.108		18.6	7.90	106.4	-0.15		41545	17.33	
215		E: 293950.2939 N: 6133668.526		20.5	0.04	128.7	-0.15		48293	8.32	
216		E: 293079.4764 N: 6134471.488		20.7	8.03	133.6	-0.13		31615	6.6	
217		E: 293520.5398 N: 6134963.443		18.7	7.89	120.6	-0.15		41818	13.26	

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 35: 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
	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
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
Field ID	**Date**																				
3365/SW301 W/1	**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
3365/SW301 W/2	**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
3365/SW302 W/1	**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
3365/SW302 W/2	**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
3365/SW303 W/1	**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
3365/SW303 W/2	**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
3365/SW304 W/1	**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
3365/SW304 W/2	**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
3365/SW305 W/1	**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
3365/SW305 W/2	**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
3365/SW306 W/1	**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
3365/SW306 W/2	**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
3365/SW307 W/1	**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
3365/SW307 W/2	**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
3365/SW308 W/1	**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
3365/SW308 W/2	**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
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**
Number of Detects		**0**	**1**	**0**	**0**	**1**	**2**	**2**	**0**	**0**	**16**	**2**	**2**	**14**	**16**	**7**	**14**	**14**	**16**	**13**	**0**	**0**
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**
Minimum Detect		**ND**	**140**	**ND**	**ND**	**140**	**1,500**	**1,500**	**ND**	**ND**	**0.7**	**0.06**	**0.01**	**10**	**0.24**	**0.001**	**0.001**	**0.001**	**0.42**	**0.001**	**ND**	**ND**
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**
Maximum Detect		**ND**	**140**	**ND**	**ND**	**140**	**2,000**	**2,000**	**ND**	**ND**	**2**	**0.07**	**0.01**	**130**	**4**	**0.002**	**0.004**	**0.003**	**4.7**	**0.004**	**ND**	**ND**
Average Concentration *		**36**	**32**	**50**	**50**	**32**	**1,750**	**1,750**	**0.0025**	**0.1**	**1.3**	**0.03**	**0.0034**	**34**	**1.7**	**0.00084**	**0.0023**	**0.0018**	**2.1**	**0.0018**	**0.000025**	**0.0005**
Median Concentration *		**50**	**25**	**50**	**50**	**25**	**1,750**	**1,750**	**0.0025**	**0.1**	**1.45**	**0.025**	**0.0025**	**22**	**1.55**	**0.0005**	**0.002**	**0.002**	**1.95**	**0.002**	**0.000025**	**0.0005**
Standard Deviation *		**22**	**29**	**0**	**0**	**29**	**354**	**354**	**0**	**0**	**0.41**	**0.014**	**0.0026**	**32**	**1.1**	**0.00051**	**0.0011**	**0.00075**	**1.4**	**0.0011**	**0**	**0**
95% UCL (Student's-t) *		**45.38**	**44.79**	**50**	**50**	**44.79**	**3,328**	**3,328**	**0.0025**	**0.1**	**1.497**	**0.036**	**0.00456**	**48.68**	**2.148**	**0.00107**	**0.00274**	**0.00208**	**2.703**	**0.00233**	**0.000025**	**0.0005**
% of Detects		**0**	**6**	**0**	**0**	**6**	**100**	**100**	**0**	**0**	**100**	**12**	**12**	**88**	**100**	**44**	**88**	**88**	**100**	**81**	**0**	**0**
% of Non-Detects		**100**	**94**	**100**	**100**	**94**	**0**	**0**	**100**	**100**	**0**	**88**	**88**	**12**	**0**	**56**	**12**	**12**	**0**	**19**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

			Organochlorine Pesticides																			
		Zinc	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	Benzo(b+j+k)fluoranthene
		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	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
EQL		0.001	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0002
Field ID	**Date**																					
3365/SW301 W/1	**01 May 2023**	0.035	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW301 W/2	**01 May 2023**	0.008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW302 W/1	**01 May 2023**	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW302 W/2	**01 May 2023**	0.007	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW303 W/1	**01 May 2023**	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW303 W/2	**01 May 2023**	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW304 W/1	**01 May 2023**	0.006	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW304 W/2	**01 May 2023**	0.006	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW305 W/1	**01 May 2023**	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW305 W/2	**01 May 2023**	0.005	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW306 W/1	**01 May 2023**	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW306 W/2	**01 May 2023**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW307 W/1	**01 May 2023**	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW307 W/2	**01 May 2023**	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW308 W/1	**01 May 2023**	0.005	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW308 W/2	**01 May 2023**	0.009	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
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**
Number of Detects		**15**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**0.001**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.0002**
Minimum Detect		**0.001**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration		**0.035**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.0002**
Maximum Detect		**0.035**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *		**0.0068**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0001**
Median Concentration *		**0.005**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0001**
Standard Deviation *		**0.008**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *		**0.0103**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0001**
% of Detects		**94**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects		**6**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

		PAH																PCBs				
		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)	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248
		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	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0005	0.0001	2	2	2	2	2
Field ID	**Date**																					
3365/SW301 W/1	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW301 W/2	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW302 W/1	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW302 W/2	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW303 W/1	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW303 W/2	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW304 W/1	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW304 W/2	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW305 W/1	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW305 W/2	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW306 W/1	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW306 W/2	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW307 W/1	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW307 W/2	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW308 W/1	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW308 W/2	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
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**
Number of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration		**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**	**<2**	**<2**	**<2**	**<2**	**<2**
Minimum Detect		**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration		**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**	**<2**	**<2**	**<2**	**<2**	**<2**
Maximum Detect		**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *		**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.05**	**0.05**	**0.00025**	**0.00005**	**1**	**1**	**1**	**1**	**1**
Median Concentration *		**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.05**	**0.05**	**0.00025**	**0.00005**	**1**	**1**	**1**	**1**	**1**
Standard Deviation *		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *		**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.05**	**0.05**	**0.00025**	**0.00005**	**1**	**1**	**1**	**1**	**1**
% of Detects		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects		**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

				TPH				
		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
EQL		2	2	10	50	100	100	50
Field ID	**Date**							
3365/SW301 W/1	**01 May 2023**	<2	<2	<100	<50	<100	<100	<50
3365/SW301 W/2	**01 May 2023**	<2	<2	<100	<50	<100	<100	<50
3365/SW302 W/1	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW302 W/2	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW303 W/1	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW303 W/2	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW304 W/1	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW304 W/2	**01 May 2023**	<2	<2	<100	<50	<100	<100	<50
3365/SW305 W/1	**01 May 2023**	<2	<2	<100	<50	<100	<100	<50
3365/SW305 W/2	**01 May 2023**	<2	<2	<100	<50	<100	<100	<50
3365/SW306 W/1	**01 May 2023**	<2	<2	<100	<50	<100	<100	<50
3365/SW306 W/2	**01 May 2023**	<2	<2	<100	<50	<100	<100	<50
3365/SW307 W/1	**01 May 2023**	<2	<2	<100	<50	<100	<100	<50
3365/SW307 W/2	**01 May 2023**	<2	<2	<100	<50	220	<100	220
3365/SW308 W/1	**01 May 2023**	<2	<2	<100	<50	<100	<100	<50
3365/SW308 W/2	**01 May 2023**	<2	<2	<100	<50	<100	<100	<50

Statistics

Number of Results	**16**	**16**	**16**	**16**	**16**	**16**	**16**
Number of Detects	**0**	**0**	**0**	**0**	**1**	**0**	**1**
Minimum Concentration	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Minimum Detect	**ND**	**ND**	**ND**	**ND**	**220**	**ND**	**220**
Maximum Concentration	**<2**	**<2**	**<100**	**<50**	**220**	**<100**	**220**
Maximum Detect	**ND**	**ND**	**ND**	**ND**	**220**	**ND**	**220**
Average Concentration *	**1**	**1**	**36**	**25**	**61**	**50**	**37**
Median Concentration *	**1**	**1**	**50**	**25**	**50**	**50**	**25**
Standard Deviation *	**0**	**0**	**22**	**0**	**42**	**0**	**49**
95% UCL (Student's-t) *	**1**	**1**	**45.38**	**25**	**79.25**	**50**	**58.55**
% of Detects	**0**	**0**	**0**	**0**	**6**	**0**	**6**
% of Non-Detects	**100**	**100**	**100**	**100**	**94**	**100**	**94**

* A Non Detect Multiplier of 0.5 has been applied.

Table 36: 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
	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
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
Field ID	**Date**																				
3365/SW201 W/1	**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
3365/SW201 W/2	**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
3365/SW202 W/1	**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
3365/SW202 W/2	**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
3365/SW203 W/1	**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
3365/SW203 W/2	**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
3365/SW204 W/1	**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
3365/SW204 W/2	**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
3365/SW205 W/1	**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
3365/SW205 W/1	**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
3365/SW206 W/1	**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
3365/SW206 W/2	**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
3365/SW207 W/1	**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
3365/SW207 W/2	**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
3365/SW208 W/1	**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
3365/SW208 W/2	**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
3365/SW209 W/1	**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
3365/SW209 W/2	**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
3365/SW210 W/1	**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
3365/SW210 W/2	**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
3365/SW211 W/1	**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
3365/SW211 W/2	**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
3365/SW212 W/1	**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
3365/SW212 W/2	**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
3365/SW213 W/1	**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
3365/SW213 W/2	**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
3365/SW214 W/1	**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
3365/SW214 W/2	**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
3365/SW215 W/1	**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
3365/SW215 W/2	**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
3365/SW216 W/1	**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
3365/SW216 W/2	**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
3365/SW217 W/1	**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
3365/SW217 W/2	**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

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**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**9**	**9**	**0**	**0**	**34**	**11**	**34**	**29**	**34**	**27**	**2**	**3**	**34**	**1**	**0**	**0**
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**
Minimum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**100**	**100**	**ND**	**ND**	**0.2**	**0.05**	**0.006**	**5**	**0.07**	**0.001**	**0.004**	**0.001**	**0.15**	**0.003**	**ND**	**ND**
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**
Maximum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**1,600**	**1,600**	**ND**	**ND**	**0.5**	**0.4**	**0.04**	**340**	**3.3**	**0.005**	**0.005**	**0.006**	**5.4**	**0.003**	**ND**	**ND**
Average Concentration *	**5**	**25**	**50**	**50**	**25**	**366**	**366**	**0.0025**	**0.1**	**0.3**	**0.048**	**0.018**	**18**	**0.23**	**0.0012**	**0.00074**	**0.00075**	**0.44**	**0.00057**	**0.000025**	**0.0005**
Median Concentration *	**5**	**25**	**50**	**50**	**25**	**205**	**205**	**0.0025**	**0.1**	**0.3**	**0.025**	**0.02**	**7**	**0.115**	**0.001**	**0.0005**	**0.0005**	**0.225**	**0.0005**	**0.000025**	**0.0005**
Standard Deviation *	**0**	**0**	**0**	**0**	**0**	**448**	**448**	**0**	**0**	**0.076**	**0.065**	**0.0086**	**57**	**0.55**	**0.00081**	**0.00096**	**0.001**	**0.89**	**0.00043**	**0**	**0**
95% UCL (Student's-t) *	**5**	**25**	**50**	**50**	**25**	**625.7**	**625.7**	**0.0025**	**0.1**	**0.319**	**0.0668**	**0.0202**	**34.52**	**0.394**	**0.0014**	**0.00101**	**0.00105**	**0.699**	**0.00069797**	**0.000025**	**0.0005**
% of Detects	**0**	**0**	**0**	**0**	**0**	**90**	**90**	**0**	**0**	**100**	**32**	**100**	**85**	**100**	**79**	**6**	**9**	**100**	**3**	**0**	**0**
% of Non-Detects	**100**	**100**	**100**	**100**	**100**	**10**	**10**	**100**	**100**	**0**	**68**	**0**	**15**	**0**	**21**	**94**	**91**	**0**	**97**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

			Organochlorine Pesticides																		
		Zinc	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	Benzo(b+j+k)fluoranthene
		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	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
EQL		0.001	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0002
Field ID	**Date**																					
3365/SW201 W/1	**01 May 2023**	0.005	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW201 W/2	**01 May 2023**	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW202 W/1	**01 May 2023**	0.019	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW202 W/2	**01 May 2023**	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW203 W/1	**01 May 2023**	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW203 W/2	**01 May 2023**	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW204 W/1	**01 May 2023**	0.014	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW204 W/2	**01 May 2023**	0.005	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW205 W/1	**01 May 2023**	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW205 W/1	**01 May 2023**	0.006	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW206 W/1	**01 May 2023**	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW206 W/2	**01 May 2023**	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW207 W/1	**01 May 2023**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW207 W/2	**01 May 2023**	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW208 W/1	**01 May 2023**	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW208 W/2	**01 May 2023**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW209 W/1	**01 May 2023**	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW209 W/2	**01 May 2023**	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW210 W/1	**01 May 2023**	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW210 W/2	**01 May 2023**	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW211 W/1	**01 May 2023**	0.007	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW211 W/2	**01 May 2023**	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW212 W/1	**01 May 2023**	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW212 W/2	**01 May 2023**	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW213 W/1	**01 May 2023**	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW213 W/2	**01 May 2023**	0.005	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW214 W/1	**01 May 2023**	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW214 W/2	**01 May 2023**	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW215 W/1	**01 May 2023**	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW215 W/2	**01 May 2023**	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW216 W/1	**01 May 2023**	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW216 W/2	**01 May 2023**	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW217 W/1	**01 May 2023**	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002
3365/SW217 W/2	**01 May 2023**	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002

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**
Number of Detects	**31**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**0.001**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.0002**
Minimum Detect	**0.001**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration	**0.019**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**<0.0002**
Maximum Detect	**0.019**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *	**0.0037**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0001**
Median Concentration *	**0.003**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0001**
Standard Deviation *	**0.0037**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *	**0.00474**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.0001**
% of Detects	**91**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects	**9**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

		PAH															PCBs				
		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)	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248
		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	µg/L	µg/L	µg/L	µg/L	µg/L
EQL		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0005	0.0001	2	2	2	2	2
Field ID	**Date**																					
3365/SW201 W/1	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW201 W/2	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW202 W/1	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW202 W/2	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW203 W/1	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW203 W/2	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW204 W/1	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW204 W/2	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW205 W/1	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW205 W/1	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW206 W/1	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW206 W/2	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW207 W/1	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW207 W/2	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW208 W/1	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW208 W/2	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW209 W/1	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW209 W/2	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW210 W/1	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW210 W/2	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW211 W/1	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW211 W/2	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW212 W/1	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW212 W/2	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW213 W/1	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW213 W/2	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW214 W/1	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW214 W/2	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW215 W/1	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW215 W/2	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW216 W/1	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW216 W/2	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW217 W/1	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2
3365/SW217 W/2	**01 May 2023**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2

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**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**	**<2**	**<2**	**<2**	**<2**	**<2**
Minimum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.0005**	**<0.0001**	**<2**	**<2**	**<2**	**<2**	**<2**
Maximum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.05**	**0.05**	**0.00025**	**0.00005**	**1**	**1**	**1**	**1**	**1**
Median Concentration *	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.05**	**0.05**	**0.00025**	**0.00005**	**1**	**1**	**1**	**1**	**1**
Standard Deviation *	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**	**0.05**	**0.05**	**0.00025**	**0.00005**	**1**	**1**	**1**	**1**	**1**
% of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

				TPH				
		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
EQL		2	2	10	50	100	100	50
Field ID	**Date**							
3365/SW201 W/1	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW201 W/2	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW202 W/1	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW202 W/2	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW203 W/1	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW203 W/2	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW204 W/1	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW204 W/2	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW205 W/1	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW205 W/1	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW206 W/1	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW206 W/2	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW207 W/1	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW207 W/2	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW208 W/1	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW208 W/2	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW209 W/1	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW209 W/2	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW210 W/1	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW210 W/2	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW211 W/1	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW211 W/2	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW212 W/1	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW212 W/2	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW213 W/1	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW213 W/2	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW214 W/1	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW214 W/2	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW215 W/1	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW215 W/2	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW216 W/1	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW216 W/2	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW217 W/1	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50
3365/SW217 W/2	**01 May 2023**	<2	<2	<10	<50	<100	<100	<50

Statistics

Number of Results	**34**	**34**	**34**	**34**	**34**	**34**	**34**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Minimum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration	**<2**	**<2**	**<10**	**<50**	**<100**	**<100**	**<50**
Maximum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *	**1**	**1**	**5**	**25**	**50**	**50**	**25**
Median Concentration *	**1**	**1**	**5**	**25**	**50**	**50**	**25**
Standard Deviation *	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *	**1**	**1**	**5**	**25**	**50**	**50**	**25**
% of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

Table 37: 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	5.4		177.8
303	18.1	8.18	197.8	7.98	24.13	37927
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
306	18.7	8.67	174.2	8.25	23.46	36957
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 38: 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	0.55	0.03	75.3
max	18.7	8.72	241.5	8.25	24.13	37927
mean	16.55	6.08	204.75	5.07	10.18	14061.39
median	16.4	4.885	205.2	5.42	0.07	164.65
range	4	4.4	76.5	7.7	24.1	37851.7

Table 39: Estuary surface water – water quality data event 6

Sampling Site ID	Temp (°C)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L)	EC (uS/cm)	Turbidity (ntu)
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	8.9	20.35	32499
204	13.1	7.19	214.6	4.14	20.4	32622
205	18.1	7.49	131.8	6.06	20.55	32781
206	17.7	7.54	163	7.62	19.81	31709
207	18	3.32	711.1	9.17	19.89	31797
208	18.2	7.82	177	9.3	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	1654.2	7.11	18.3	29496
214	16.3	5.84	1634.5	6.91	18.76	30095
215	18.3	4.71	340.3	8.25	16.6	26983
216	18.4	-2.35	-	7.88	15.32	25078
217	19.1	-2.33	-	7.9	20	31998

Table 40: 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	13.1	-2.35	131.8	4.14	15.32	25078
max	19.6	7.82	1977.6	9.43	20.55	32781
mean	17.61	2.95	1107.85	7.78	19.19	30799.35
median	18.1	4.71	1595.55	7.89	19.81	31709
range	6.5	10.17	1845.8	5.29	5.23	7703

Table 41: Rainfall data event 5*

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

INTERIM REPORT 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	11/05/2023
Interim Report Date	11/05/2023

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

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]			

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					

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					

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					

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					

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					

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					

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					

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					

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					

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					

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				[NT]	[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				[NT]	[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				[NT]	[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				[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				[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				[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				[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				[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				[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				[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				[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

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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	
3365/GW01						X	
3365/GW02						X	
3365/GW03						X	
3365/GW04						X	
3365/GW05						X	
3365/GW06						X	
3365/GW07						X	
						X	
3365/SW101	X	X	X	X			
3365/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	
3365/SW103	X	X	X	X			
3365/SW201 W/1	X	X	X	X			
3365/SW201 W/2	X	X	X	X			
3365/SW202 W/1	X	X	X	X			
3365/SW202 W/2	X	X	X	X			
3365/SW203 W/1	X	X	X	X			
3365/SW203 W/2	X	X	X	X			
3365/SW204 W/1	X	X	X	X			
3365/SW204 W/2	X	X	X	X			
3365/SW205 W/1	X	X	X	X			
3365/SW205 W/2	X	X	X	X			
3365/SW206 W/1	X	X	X	X			
3365/SW206 W/2	X	X	X	X			
3365/SW207 W/1	X	X	X	X			
3365/SW207 W/2	X	X	X	X			
3365/SW208 W/1	X	X	X	X			
3365/SW208 W/2	X	X	X	X			
3365/SW209 W/1	X	X	X	X			
3365/SW209 W/2	X	X	X	X			
3365/SW210 W/1	X	X	X	X			
3365/SW210 W/2	X	X	X	X			
3365/SW211 W/1	X	X	X	X			
3365/SW211 W/2	X	X	X	X			
3365/SW212 W/1	X	X	X	X			
3365/SW212 W/2	X	X	X	X			
3365/SW213 W/1	X	X	X	X			
3365/SW213 W/2	X	X	X	X			
3365/SW214 W/1	X	X	X	X			
3365/SW214 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	
3365/SW215 W/1	X	X	X	X			
3365/SW215 W/2	X	X	X	X			
3365/SW216 W/1	X	X	X	X			
3365/SW216 W/2	X	X	X	X			
3365/SW217 W/1	X	X	X	X			
3365/SW217 W/2	X	X	X	X			
3365/SW301 W/1	X	X	X	X			
3365/SW301 W/2	X	X	X	X			
3365/SW302 W/1	X	X	X	X			
3365/SW302 W/2	X	X	X	X			
3365/SW303 W/1	X	X	X	X			
3365/SW303 W/2	X	X	X	X			
3365/SW304 W/1	X	X	X	X			
3365/SW304 W/2	X	X	X	X			
3365/SW305 W/1	X	X	X	X			
3365/SW305 W/2	X	X	X	X			
3365/SW306 W/2	X	X	X	X			
3365/SW306 W/1	X	X	X	X			
3365/SW306 W/2	X	X	X	X			
3365/SW307 W/1	X	X	X	X			
3365/SW307 W/2	X	X	X	X			
3365/SW308 W/1	X	X	X	X			
3365/SW308 W/2	X	X	X	X			
3365/DUP01	X						
3365/DUP02	X						
3365/DUP03	X						
3365/DUP04	X						
3365/GW DUP01					X		

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 (4th)

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, % Sat)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
101	11:35	E: 293805.1577 N: 6132989.967		16.1	5.20	118.3	0.53	0.14	295.5		Translucent, brownish yellow, no odour, no sheen, Y sample collected
102	13:50	E: 293965.373 N: 6132268.998		16.0	7.25	130.5	5.52	0.05	102.4		Translucent, brownish yellow, no odour, no sheen, Y sample collected
103	10:16	E: 294551.5727 N: 6132544.192		15.2	5.24	125.3	6.20	0.08	151.1		Dup02, Translucent, brownish yellow, no odour, no sheen, Y sample collected
301	14:20	E: 294133.1279 N: 6132132.344		16.7	4.81	212.6	6.49	0.06	122.9		Dup01, Translucent, brownish yellow, no odour, no sheen, Y sample collected
302	12:17	E: 294417.7457 N: 6131862.805		15.5	4.96	165.0	5.40		177.8		Translucent, brownish yellow, no odour, no sheen, Y sample collected
303	13:56	E: 294968.1325 N: 6131646.043		18.1	8.18	197.8	7.98	24.13	37927		Translucent, brownish yellow, no odour, no sheen, Y sample collected
304	15:08	E: 293592.1655 N: 6131495.252		14.7	4.45	230.3	0.55	0.03	75.3		Translucent, brownish yellow, no odour, no sheen, Y sample collected
305	12:54	E: 293972.9125 N: 6131247.39		17.4	8.72	179.7	3.41	23.43	36948		Translucent, brownish yellow, no odour, no sheen, Y sample collected
306	13:24	E: 294344.2352 N: 6130631.032		18.7	8.67	174.2	8.25	23.46	36957		Translucent, brownish yellow, no odour, no sheen, Y sample collected
307	15:58	E: 292325.5219 N: 6131083.405		16.1	4.32	241.5	3.02	0.06	131.6		Translucent, brownish yellow, no odour, no sheen, Y sample collected
308	15:27	E: 293716.568 N: 6130800.672		15.2	4.52	236.9	5.44	0.07	151.5		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

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PROJECT INFORMATION

PROJECT NUMBER: 3365

CLIENT: Sealark Pty Ltd

SITE LOCATION: Culburra

MONTHLY / BIMONTHLY: Bimonthly (4th)

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, % Sat)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
201	16:16	E: 291599.8406 N: 6132279.365		18.7	-1.34	1977.6	9.43	18.85	30310		Y sample collected.
202	16:41	E: 292093.6809 N: 6132720.429		18.4	-2.34	++++	8.43	20.03	32037		Y sample collected.
203	16:28	E: 292802.3981 N: 6133121.909		18.3	-2.35	1966.5	8.90	20.35	32499		Y sample collected.
204	8:05	E: 293266.0802 N: 6132876.874		13.1	7.19	214.6	4.14	20.40	32622		Organic sheen, translucent, no odour, Y sample collected.
205	12:21	E: 293605.3597 N: 6133080.442		18.1	7.49	131.8	6.06	20.55	32781		No sheen, Translucent, no odour, Y sample collected.
206	12:10	E: 293650.597 N: 6133344.326		17.7	7.54	163.0	7.62	19.81	31709		No sheen, Translucent, no odour, Y sample collected.
207	16:49	E: 293920.1357 N: 6133182.226		18.0	3.32	711.1	9.17	19.89	31797		Y sample collected.
208	16:44	E: 293893.7473 N: 6133355.635		18.2	7.82	177.0	9.30	20.18	32252		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: Bimonthly (4th) | SAMPLED BY: TR + BTM

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

SITE LOCATION: Culburra | DATE: 01 – 03 / 05 / 2023 | SIGNATURE:

WATER SAMPLING FIELD PARAMETERS

Sampling Site ID	Time	GPS (easting / northing)	Equipment	Temp (ºC)	pH	Redox Potential (mV)	Dissolved Oxygen (mg/L, % Sat)	Salinity (ppt)	EC (uS/cm)	Turbidity (ntu)	Additional Comments Appearance (colour, turbidity, odour etc) Samples Y/N, SW sample COC reference
209	16:54	E: 294229.2571 N: 6133216.154		19.6	-2.33	1586.9	8.22	20.21	32294		Y sample collected.
210	7:03	E: 294591.1553 N: 6132850.486		16.8	5.81	1632.9	7.45	19.18	30790		Y sample collected.
211	6:57	E: 294994.521 N: 6132922.111		15.6	5.11	1604.2	7.89	18.96	30480		Y sample collected.
212	7:09	E: 294583.6157 N: 6133133.219		17.3	3.41	1715.3	7.63	18.89	30368		Y sample collected.
213	6:44	E: 294847.4998 N: 6133472.498		17.4	4.94	1654.2	7.11	18.30	29496		Y sample collected.
214	6:54	E: 294994.521 N: 6133970.108		16.3	5.84	1634.5	6.91	18.76	30095		Y sample collected.
215	16:38	E: 293950.2939 N: 6133668.526		18.3	4.71	340.3	8.25	16.60	26983		Y sample collected.
216	15:53	E: 293079.4764 N: 6134471.488		18.4	-2.35	++++	7.88	15.32	25078		Y sample collected.
217	16:00	E: 293520.5398 N: 6134963.443		19.1	-2.33	++++	7.90	20.00	31998		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 – Summary All Event Data

Table 42: Surface water - laboratory data all events

			TRH					Biological			Halogenated Benzenes	Inorganics				Met				
			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
			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
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
Lab Report Number	**Field ID**	**Date**																		
312763	**3365/SW301 W/1**	**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
312763	**3365/SW301 W/1**	**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
312763	**3365/SW301 W/1**	**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
312763	**3365/SW301 W/2**	**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
312763	**3365/SW301 W/2**	**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
312763	**3365/SW301 W/2**	**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
312763	**3365/SW302 W/1**	**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
312763	**3365/SW302 W/1**	**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
312763	**3365/SW302 W/1**	**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
312763	**3365/SW302 W/2**	**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
312763	**3365/SW302 W/2**	**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
312763	**3365/SW302 W/2**	**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
317305	**3365/SW303 W1**	**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
317305	**3365/SW303 W/1**	**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
317305	**3365/SW303 W/1**	**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
317305	**3365/SW303 W/1**	**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
317305	**3365/SW303 W2**	**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
317305	**3365/SW303 W/2**	**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
317305	**3365/SW303 W/2**	**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
317305	**3365/SW303 W/2**	**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
317305	**3365/SW304 W1**	**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
317305	**3365/SW304 W/1**	**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
317305	**3365/SW304 W/1**	**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
317305	**3365/SW304 W/1**	**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
317305	**3365/SW304 W2**	**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
317305	**3365/SW304 W/2**	**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
317305	**3365/SW304 W/2**	**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
317305	**3365/SW304 W/2**	**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
321448	**3365/SW305 W1**	**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
321448	**3365/SW305 W/1**	**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
321448	**3365/SW305 W/1**	**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
321448	**3365/SW305 W/1**	**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
321448	**3365/SW305 W2**	**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
321448	**3365/SW305 W/2**	**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
321448	**3365/SW305 W/2**	**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
321448	**3365/SW305 W/2**	**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
321448	**3365/SW306 W1**	**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
321448	**3365/SW306 W/1**	**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
321448	**3365/SW306 W/1**	**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
321448	**3365/SW306 W/1**	**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
321448	**3365/SW306 W2**	**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
321448	**3365/SW306 W/2**	**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
321448	**3365/SW306 W/2**	**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
321448	**3365/SW306 W/2**	**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
322245	**3365/SW307 W1**	**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
322245	**3365/SW307 W/1**	**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
322245	**3365/SW307 W/1**	**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
322245	**3365/SW307 W/1**	**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
322245	**3365/SW307 W2**	**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
322245	**3365/SW307 W/2**	**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
322245	**3365/SW307 W/2**	**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
322245	**3365/SW307 W/2**	**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
322245	**3365/SW308 W1**	**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
322245	**3365/SW308 W/1**	**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
322245	**3365/SW308 W/1**	**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
322245	**3365/SW308 W/1**	**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
322245	**3365/SW308 W2**	**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

			TRH					Biological			Halogenated Benzenes	Inorganics				Met				
			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
			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
322245	3365/SW308 W/2	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
322245	3365/SW308 W/2	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
322245	3365/SW308 W/2	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

Statistics

Number of Results	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	16	60	60
Number of Detects	0	17	8	0	17	16	16	36	0	59	16	4	56	60	38	0	52	47	
Minimum Concentration	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	<0.1	0.05	<0.005	<5	0.13	0.001	<0.0001	0.001	0.001	
Minimum Detect	ND	59	120	ND	60	100	100	0.001	ND	0.3	0.05	0.008	6	0.13	0.001	ND	0.001	0.001	
Maximum Concentration	<100	610	460	<100	760	17,000	17,000	0.097	<0.2	2.2	0.8	0.01	1,900	13	0.019	<0.0001	0.02	0.015	
Maximum Detect	ND	610	460	ND	760	17,000	17,000	0.097	ND	2.2	0.8	0.01	1,900	13	0.019	ND	0.02	0.015	
Average Concentration *	13	63	81	50	101	2,020	2,020	0.0082	0.1	0.97	0.067	0.003	117	1.5	0.0016	0.00005	0.0023	0.0022	
Median Concentration *	5	25	50	50	25	315	315	0.0025	0.1	0.8	0.025	0.0025	27.5	1.1	0.001	0.00005	0.002	0.002	
Standard Deviation *	18	92	92	0	168	4,104	4,104	0.016	0	0.49	0.11	0.0018	278	1.8	0.0025	0	0.0026	0.0022	
95% UCL (Student's-t) *	17.04	83.18	100.9	50	137.5	3,395	3,395	0.0117	0.1	1.073	0.0918	0.00335	176.9	1.9	0.00218	0.00005	0.0029	0.00271	
% of Detects	0	28	13	0	28	62	62	60	0	98	27	7	93	100	63	0	87	78	
% of Non-Detects	100	72	87	100	72	38	38	40	100	2	73	93	7	0	37	100	13	22	

* A Non Detect Multiplier of 0.5 has been applied.

			tals					Organochlorine Pesticides													
			Iron	Lead	Mercury	Selenium	Zinc	4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin
			mg/L	mg/L	mg/L	mg/L	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
EQL			0.01	0.001	0.00005	0.001	0.001	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Lab Report Number	**Field ID**	**Date**																			
312763	**3365/SW301 W/1**	**22 Feb 2023**	1.3	0.001	<0.00005	<0.001	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW301 W/1**	**17 Apr 2023**	2.5	0.003	<0.00005	<0.001	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW301 W/1**	**01 May 2023**	1.4	0.002	<0.00005	<0.001	0.035	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW301 W/2**	**22 Feb 2023**	0.96	0.001	<0.00005	<0.001	0.013	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW301 W/2**	**17 Apr 2023**	3.9	0.005	<0.00005	<0.001	0.009	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW301 W/2**	**01 May 2023**	1.3	0.002	<0.00005	<0.001	0.008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW302 W/1**	**22 Feb 2023**	4.5	0.005	<0.00005	<0.001	0.008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW302 W/1**	**17 Apr 2023**	0.7	<0.001	<0.00005	<0.001	0.007	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW302 W/1**	**01 May 2023**	1.3	0.001	<0.00005	<0.001	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW302 W/2**	**22 Feb 2023**	4	0.004	<0.00005	<0.001	0.008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW302 W/2**	**17 Apr 2023**	0.61	<0.001	<0.00005	<0.001	0.009	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW302 W/2**	**01 May 2023**	2	0.002	<0.00005	<0.001	0.007	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW303 W1**	**09 Dec 2022**	5.7	0.003	<0.00005	<0.001	0.005	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW303 W/1**	**20 Feb 2023**	2.2	<0.001	<0.00005	<0.001	0.005	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW303 W/1**	**17 Apr 2023**	0.74	<0.001	<0.00005	<0.001	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW303 W/1**	**01 May 2023**	0.42	<0.001	<0.00005	<0.001	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW303 W2**	**09 Dec 2022**	7.9	0.004	<0.00005	<0.001	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW303 W/2**	**20 Feb 2023**	2.3	<0.001	<0.00005	<0.001	0.012	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW303 W/2**	**17 Apr 2023**	1.4	<0.001	<0.00005	<0.001	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW303 W/2**	**01 May 2023**	0.42	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW304 W1**	**09 Dec 2022**	10	0.005	<0.00005	<0.001	0.009	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW304 W/1**	**22 Feb 2023**	3.5	0.002	<0.00005	<0.001	0.009	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW304 W/1**	**17 Apr 2023**	2.6	0.001	<0.00005	<0.001	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW304 W/1**	**01 May 2023**	4.3	0.003	<0.00005	<0.001	0.006	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW304 W2**	**09 Dec 2022**	9.6	0.003	<0.00005	<0.001	0.007	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW304 W/2**	**22 Feb 2023**	4	0.002	<0.00005	<0.001	0.012	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW304 W/2**	**17 Apr 2023**	2.5	0.001	<0.00005	<0.001	0.03	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW304 W/2**	**01 May 2023**	4.5	0.004	<0.00005	<0.001	0.006	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	**3365/SW305 W1**	**09 Dec 2022**	0.32	<0.001	<0.00005	<0.001	0.031	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	**3365/SW305 W/1**	**20 Feb 2023**	1.3	<0.001	<0.00005	<0.001	0.008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	**3365/SW305 W/1**	**17 Apr 2023**	0.56	<0.001	<0.00005	<0.001	0.008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	**3365/SW305 W/1**	**01 May 2023**	2.1	0.001	<0.00005	<0.001	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	**3365/SW305 W2**	**09 Dec 2022**	1.5	0.001	<0.00005	<0.001	0.011	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	**3365/SW305 W/2**	**20 Feb 2023**	1.2	<0.001	<0.00005	<0.001	0.007	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	**3365/SW305 W/2**	**17 Apr 2023**	0.47	<0.001	<0.00005	<0.001	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	**3365/SW305 W/2**	**01 May 2023**	2	0.002	<0.00005	<0.001	0.005	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	**3365/SW306 W1**	**09 Dec 2022**	1.9	0.001	<0.00005	<0.001	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	**3365/SW306 W/1**	**20 Feb 2023**	0.85	<0.001	<0.00005	<0.001	0.007	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	**3365/SW306 W/1**	**17 Apr 2023**	0.61	<0.001	<0.00005	<0.001	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	**3365/SW306 W/1**	**01 May 2023**	1.2	0.001	<0.00005	<0.001	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	**3365/SW306 W2**	**09 Dec 2022**	1.4	<0.001	<0.00005	<0.001	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	**3365/SW306 W/2**	**20 Feb 2023**	0.87	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	**3365/SW306 W/2**	**17 Apr 2023**	0.82	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	**3365/SW306 W/2**	**01 May 2023**	0.84	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	**3365/SW307 W1**	**09 Dec 2022**	16	0.006	<0.00005	<0.001	0.008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	**3365/SW307 W/1**	**22 Feb 2023**	1.6	0.002	<0.00005	<0.001	0.036	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	**3365/SW307 W/1**	**17 Apr 2023**	0.78	<0.001	<0.00005	<0.001	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	**3365/SW307 W/1**	**01 May 2023**	1.9	0.002	<0.00005	<0.001	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	**3365/SW307 W2**	**09 Dec 2022**	16	0.006	<0.00005	<0.001	0.091	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	**3365/SW307 W/2**	**22 Feb 2023**	0.99	0.001	<0.00005	<0.001	0.025	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	**3365/SW307 W/2**	**17 Apr 2023**	0.8	<0.001	<0.00005	<0.001	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	**3365/SW307 W/2**	**01 May 2023**	2.4	0.002	<0.00005	<0.001	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	**3365/SW308 W1**	**09 Dec 2022**	80	0.033	0.00005	0.002	0.032	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	**3365/SW308 W/1**	**20 Feb 2023**	2.6	<0.001	<0.00005	<0.001	0.005	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	**3365/SW308 W/1**	**17 Apr 2023**	1.9	<0.001	<0.00005	<0.001	0.006	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	**3365/SW308 W/1**	**01 May 2023**	4.7	0.004	<0.00005	<0.001	0.005	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	**3365/SW308 W2**	**09 Dec 2022**	4.9	0.002	<0.00005	<0.001	0.006	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

			tals					Organochlorine Pesticides													
			Iron	Lead	Mercury	Selenium	Zinc	4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin
			mg/L	mg/L	mg/L	mg/L	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
322245	3365/SW308 W/2	20 Feb 2023	2.8	<0.001	<0.00005	<0.001	0.008	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW308 W/2	17 Apr 2023	3.2	0.002	<0.00005	<0.001	0.011	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW308 W/2	01 May 2023	2.9	0.002	<0.00005	<0.001	0.009	<0.2	<0.2	<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	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
Number of Detects	60	36	1	1	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration	0.32	0.001	0.00005	<0.001	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Minimum Detect	0.32	0.001	0.00005	0.002	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration	80	0.033	0.00005	0.002	0.091	<0.2	<0.2	<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 Detect	80	0.033	0.00005	0.002	0.091	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration *	4.1	0.0022	0.000025	0.00053	0.011	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Median Concentration *	1.9	0.001	0.000025	0.0005	0.008	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Standard Deviation *	10	0.0043	0.0000032	0.00019	0.013	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95% UCL (Student's-t) *	6.39	0.00317	0.000026113	0.00056678	0.0134	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
% of Detects	100	60	2	2	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% of Non-Detects	0	40	98	98	2	100	100	100	100	100	100	100	100	100	100	100	100	100	100

* A Non Detect Multiplier of 0.5 has been applied.

							PAH													
			Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	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
			µg/L	µg/L	µg/L	µg/L	µg/L	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
EQL			0.2	0.2	0.2	0.2	0.2	0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
Lab Report Number	**Field ID**	**Date**																			
312763	**3365/SW301 W/1**	**22 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW301 W/1**	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW301 W/1**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW301 W/2**	**22 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW301 W/2**	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW301 W/2**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW302 W/1**	**22 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW302 W/1**	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW302 W/1**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW302 W/2**	**22 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW302 W/2**	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW302 W/2**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	**3365/SW303 W1**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
317305	**3365/SW303 W/1**	**20 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	**3365/SW303 W/1**	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	**3365/SW303 W/1**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	**3365/SW303 W2**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
317305	**3365/SW303 W/2**	**20 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	**3365/SW303 W/2**	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	**3365/SW303 W/2**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	**3365/SW304 W1**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
317305	**3365/SW304 W/1**	**22 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	**3365/SW304 W/1**	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	**3365/SW304 W/1**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	**3365/SW304 W2**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
317305	**3365/SW304 W/2**	**22 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	**3365/SW304 W/2**	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	**3365/SW304 W/2**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	**3365/SW305 W1**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
321448	**3365/SW305 W/1**	**20 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	**3365/SW305 W/1**	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	**3365/SW305 W/1**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	**3365/SW305 W2**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
321448	**3365/SW305 W/2**	**20 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	**3365/SW305 W/2**	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	**3365/SW305 W/2**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	**3365/SW306 W1**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
321448	**3365/SW306 W/1**	**20 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	**3365/SW306 W/1**	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	**3365/SW306 W/1**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	**3365/SW306 W2**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
321448	**3365/SW306 W/2**	**20 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	**3365/SW306 W/2**	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	**3365/SW306 W/2**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	**3365/SW307 W1**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
322245	**3365/SW307 W/1**	**22 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	**3365/SW307 W/1**	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	**3365/SW307 W/1**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	**3365/SW307 W2**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
322245	**3365/SW307 W/2**	**22 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	**3365/SW307 W/2**	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	**3365/SW307 W/2**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	**3365/SW308 W1**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
322245	**3365/SW308 W/1**	**20 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	**3365/SW308 W/1**	**17 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	**3365/SW308 W/1**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	**3365/SW308 W2**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

								PAH												
			Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	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
			µg/L	µg/L	µg/L	µg/L	µg/L	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
322245	3365/SW308 W/2	20 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	3365/SW308 W/2	17 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	3365/SW308 W/2	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1

Statistics

Number of Results	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
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	<0.0002	<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
Minimum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Maximum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration *	0.1	0.1	0.1	0.1	0.1	0.00028	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.18	0.14
Median Concentration *	0.1	0.1	0.1	0.1	0.1	0.0001	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.05
Standard Deviation *	0	0	0	0	0	0.00036	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.16	0.18
95% UCL (Student's-t) *	0.1	0.1	0.1	0.1	0.1	0.00035832	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.215	0.179
% of Detects	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% of Non-Detects	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

* A Non Detect Multiplier of 0.5 has been applied.

						PCBs							TPH				
			Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)	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	mg/L	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
EQL			0.1	0.0005	0.0001	2	2	2	2	2	2	2	10	50	100	100	50
Lab Report Number	**Field ID**	**Date**															
312763	**3365/SW301 W/1**	**22 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW301 W/1**	**17 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW301 W/1**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
312763	**3365/SW301 W/2**	**22 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW301 W/2**	**17 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	120	<100	<100	120
312763	**3365/SW301 W/2**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
312763	**3365/SW302 W/1**	**22 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW302 W/1**	**17 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW302 W/1**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW302 W/2**	**22 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW302 W/2**	**17 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW302 W/2**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW303 W1**	**09 Dec 2022**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW303 W/1**	**20 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW303 W/1**	**17 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW303 W/1**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW303 W2**	**09 Dec 2022**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW303 W/2**	**20 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW303 W/2**	**17 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW303 W/2**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW304 W1**	**09 Dec 2022**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	90	640	100	840
317305	**3365/SW304 W/1**	**22 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	130	<100	130
317305	**3365/SW304 W/1**	**17 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW304 W/1**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW304 W2**	**09 Dec 2022**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	250	<100	250
317305	**3365/SW304 W/2**	**22 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	120	<100	120
317305	**3365/SW304 W/2**	**17 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	120	<100	120
317305	**3365/SW304 W/2**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
321448	**3365/SW305 W1**	**09 Dec 2022**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	**3365/SW305 W/1**	**20 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	**3365/SW305 W/1**	**17 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	**3365/SW305 W/1**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
321448	**3365/SW305 W2**	**09 Dec 2022**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	**3365/SW305 W/2**	**20 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	**3365/SW305 W/2**	**17 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	**3365/SW305 W/2**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
321448	**3365/SW306 W1**	**09 Dec 2022**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	**3365/SW306 W/1**	**20 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	**3365/SW306 W/1**	**17 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	**3365/SW306 W/1**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
321448	**3365/SW306 W2**	**09 Dec 2022**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	**3365/SW306 W/2**	**20 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	**3365/SW306 W/2**	**17 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	**3365/SW306 W/2**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
322245	**3365/SW307 W1**	**09 Dec 2022**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	64	290	130	480
322245	**3365/SW307 W/1**	**22 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	680	<100	680
322245	**3365/SW307 W/1**	**17 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	**3365/SW307 W/1**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
322245	**3365/SW307 W2**	**09 Dec 2022**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	86	420	170	680
322245	**3365/SW307 W/2**	**22 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	290	<100	290
322245	**3365/SW307 W/2**	**17 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	**3365/SW307 W/2**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<100	<50	220	<100	220
322245	**3365/SW308 W1**	**09 Dec 2022**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	230	110	340
322245	**3365/SW308 W/1**	**20 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	**3365/SW308 W/1**	**17 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	120	<100	120
322245	**3365/SW308 W/1**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50
322245	**3365/SW308 W2**	**09 Dec 2022**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	290	150	440

						PCBs							TPH				
			Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)	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	mg/L	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
322245	3365/SW308 W/2	20 Feb 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	100	<100	100
322245	3365/SW308 W/2	17 Apr 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	250	<100	250
322245	3365/SW308 W/2	01 May 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<100	<50	<100	<100	<50

Statistics

Number of Results	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
Number of Detects	0	0	12	0	0	0	0	0	0	0	0	0	4	15	5	16
Minimum Concentration	<0.1	<0.0005	0	<2	<2	<2	<2	<2	<2	<2	<2	<10	<50	100	100	<50
Minimum Detect	ND	ND	0	ND	ND	ND	ND	ND	ND	ND	ND	ND	64	100	100	100
Maximum Concentration	<1	<0.005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<2	<100	120	680	170	840
Maximum Detect	ND	ND	0	ND	ND	ND	ND	ND	ND	ND	ND	ND	120	680	170	840
Average Concentration *	0.14	0.0007	0.00004	1	1	1	1	1	1	1	1	13	29	107	57	105
Median Concentration *	0.05	0.00025	0.00005	1	1	1	1	1	1	1	1	5	25	50	50	25
Standard Deviation *	0.18	0.00091	0.00002	0	0	0	0	0	0	0	0	18	17	132	24	179
95% UCL (Student's-t) *	0.179	0.0008958	0.000044351	1	1	1	1	1	1	1	1	17.04	33.03	135.1	62.02	143.2
% of Detects	0	0	20	0	0	0	0	0	0	0	0	0	7	25	8	27
% of Non-Detects	100	100	80	100	100	100	100	100	100	100	100	100	93	75	92	73

* A Non Detect Multiplier of 0.5 has been applied.

Table 43: Estuary surface water - laboratory data all events

			TRH					Biological			Halogenated Benzenes	Inorganics				Met				
			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
			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
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
Lab Report Number	**Field ID**	**Date**																		
312763	**3365/SW201W/1**	**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
312763	**3365/SW201 W/1**	**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
312763	**3365/SW201 W/1**	**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
312763	**3365/SW201 W/1**	**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
312763	**3365/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
312763	**3365/SW201 W/2**	**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
312763	**3365/SW201 W/2**	**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
312763	**3365/SW201 W/2**	**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
312763	**3365/SW202 W1**	**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
312763	**3365/SW202 W/1**	**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
312763	**3365/SW202 W/1**	**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
312763	**3365/SW202 W/1**	**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
312763	**3365/SW202 W2**	**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
312763	**3365/SW202 W/2**	**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
312763	**3365/SW202 W/2**	**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
312763	**3365/SW202 W/2**	**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
312763	**3365/SW203 W1**	**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
312763	**3365/SW203 W/1**	**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
312763	**3365/SW203 W/1**	**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
312763	**3365/SW203 W/1**	**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
312763	**3365/SW203 W2**	**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
312763	**3365/SW203 W/2**	**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
312763	**3365/SW203 W/2**	**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
312763	**3365/SW203 W/2**	**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
312763	**3365/SW204 W1**	**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
312763	**3365/SW204 W/1**	**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
312763	**3365/SW204 W/1**	**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
312763	**3365/SW204 W/1**	**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
312763	**3365/SW204 W2**	**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
312763	**3365/SW204 W/2**	**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
312763	**3365/SW204 W/2**	**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
312763	**3365/SW204 W/2**	**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
312763	**3365/SW205 W1**	**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
312763	**3365/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
314392	**3365/SW205 W/1**	**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
314392	**3365/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
314392	**3365/SW205 W/1**	**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
314392	**3365/SW205 W/1**	**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
317305	**3365/SW205 W2**	**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
317305	**3365/SW205 W/1**	**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
317305	**3365/SW205 W/1**	**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
317305	**3365/SW205 W/1**	**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
317305	**3365/SW206 W1**	**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
317305	**3365/SW206 W/1**	**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
317305	**3365/SW206 W/1**	**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
317305	**3365/SW206 W/1**	**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
317305	**3365/SW206 W2**	**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
317305	**3365/SW206 W/2**	**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
317305	**3365/SW206 W/2**	**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
317305	**3365/SW206 W/2**	**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
317305	**3365/SW207 W1**	**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
317305	**3365/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
317305	**3365/SW207 W/1**	**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
317305	**3365/SW207**	**20 Mar 2023**	<10	100	<100	<100	100	170 mpn	170 mpn	0.008	<0.2	0.2	0.2	0.02	360	2	0.006		0.004	0.002
317305	**3365/SW207 W/1**	**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
317305	**3365/SW207 W/1**	**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
317305	**3365/SW207 W2**	**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

			TRH					Biological			Halogenated Benzenes	Inorganics				Met				
			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
			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
317305	3365/SW207 W/2	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
317305	3365/SW207 W/2	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
317305	3365/SW207 W/2	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
317305	3365/SW208 W1	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
317305	3365/SW208 W/1	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
317305	3365/SW208 W/1	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
317305	3365/SW208 W/1	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
317305	3365/SW208 W2	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
317305	3365/SW208 W/2	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
317305	3365/SW208 W/2	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
317305	3365/SW208 W/2	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
317305	3365/SW209 W1	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
317305	3365/SW209 W/1	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
317305	3365/SW209 W/1	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
317305	3365/SW209 W/1	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
319307	3365/SW209 W2	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
319307	3365/SW209 W/2	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
319307	3365/SW209 W/2	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
319307	3365/SW209 W/2	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
321448	3365/SW210 W1	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
321448	3365/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
321448	3365/SW210 W/1	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
321448	3365/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
321448	3365/SW210 W/1	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
321448	3365/SW210 W/1	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
321448	3365/SW210 W2	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
321448	3365/SW210 W/2	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
321448	3365/SW210 W/2	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
321448	3365/SW210 W/2	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
321448	3365/SW211 W1	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
321448	3365/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
321448	3365/SW211 W/1	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
321448	3365/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
321448	3365/SW211 W/1	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
321448	3365/SW211 W/1	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
321448	3365/SW211 W2	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
321448	3365/SW211 W/2	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
321448	3365/SW211 W/2	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
321448	3365/SW211 W/2	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
321448	3365/SW212 W1	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
321448	3365/SW212 W/1	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
321448	3365/SW212 W/1	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
321448	3365/SW212 W/1	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
321448	3365/SW212 W2	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
321448	3365/SW212 W/2	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
321448	3365/SW212 W/2	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
321448	3365/SW212 W/2	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
321448	3365/SW213 W1	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
321448	3365/SW213 W/1	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
321448	3365/SW213 W/1	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
321448	3365/SW213 W/1	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
321448	3365/SW213 W2	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
321448	3365/SW213 W/2	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
322245	3365/SW213 W/2	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
322245	3365/SW213 W/2	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
322245	3365/SW214 W1	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
322245	3365/SW214 W/1	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
322245	3365/SW214 W/1	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
322245	3365/SW214 W/1	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
322245	3365/SW214 W2	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
322245	3365/SW214 W/2	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

			TRH					Biological			Halogenated Benzenes	Inorganics				Met				
			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
			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
322245	3365/SW214 W/2	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
322245	3365/SW214 W/2	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
322245	3365/SW215 W1	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
322245	3365/SW215 W/1	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
322245	3365/SW215 W/1	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
322245	3365/SW215 W/1	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
322245	3365/SW215 W2	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
322245	3365/SW215 W/2	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
322245	3365/SW215 W/2	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
322245	3365/SW215 W/2	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
322245	3365/SW216 W1	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
322245	3365/SW216 W/1	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
322245	3365/SW216 W/1	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
322245	3365/SW216 W/1	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
322245	3365/SW216 W2	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
322245	3365/SW216 W/2	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
322245	3365/SW216 W/2	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
322245	3365/SW216 W/2	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
322245	3365/SW217 W1	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
322245	3365/SW217 W/1	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
322245	3365/SW217 W/1	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
322245	3365/SW217 W/1	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
322245	3365/SW217 W2	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
322245	3365/SW217 W/2	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
322245	3365/SW217 W/2	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
322245	3365/SW217 W/2	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

Statistics

Number of Results	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	34	144	144
Number of Detects	0	2	0	0	2	10	10	50	0	127	22	143	108	144	137	0	47	18	
Minimum Concentration	<10	<50	<100	<100	<50	<10	<10	0.001	<0.2	0.1	0.05	<0.005	5	0.01	0.001	<0.0001	0.001	0.001	
Minimum Detect	ND	100	ND	ND	100	100	100	0.001	ND	0.1	0.05	0.006	5	0.01	0.001	ND	0.001	0.001	
Maximum Concentration	<10	150	<100	<100	150	1,600	1,600	0.01	<0.2	1.9	<0.5	0.04	360	3.3	0.006	<0.0001	0.005	0.006	
Maximum Detect	ND	150	ND	ND	150	1,600	1,600	0.01	ND	1.9	0.4	0.04	360	3.3	0.006	ND	0.005	0.006	
Average Concentration *	5	26	50	50	26	76	76	0.0015	0.1	0.18	0.052	0.012	19	0.19	0.0017	0.00005	0.00086	0.00066	
Median Concentration *	5	25	50	50	25	5	5	0.001	0.1	0.1	0.025	0.01	6.5	0.09	0.002	0.00005	0.0005	0.0005	
Standard Deviation *	0	12	0	0	12	196	196	0.0014	0	0.18	0.063	0.0061	52	0.43	0.00083	0	0.0008	0.00061	
95% UCL (Student's-t) *	5	28.06	50	50	28.06	108	108	0.0017	0.1	0.205	0.0602	0.0128	25.8	0.249	0.00181	0.00005	0.0009744	0.00074358	
% of Detects	0	1	0	0	1	10	10	35	0	88	15	99	75	100	95	0	33	12	
% of Non-Detects	100	99	100	100	99	90	90	65	100	12	85	1	25	0	5	100	67	88	

* A Non Detect Multiplier of 0.5 has been applied.

			tals					Organochlorine Pesticides													
			Iron	Lead	Mercury	Selenium	Zinc	4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin
			mg/L	mg/L	mg/L	mg/L	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
EQL			0.01	0.001	0.00005	0.001	0.001	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Lab Report Number	**Field ID**	**Date**																			
312763	**3365/SW201W/1**	**09 Dec 2022**	0.12	<0.001	<0.00005	<0.001	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW201 W/1**	**21 Feb 2023**	0.21	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW201 W/1**	**19 Apr 2023**	0.14	<0.001	<0.00005	<0.001	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW201 W/1**	**01 May 2023**	0.3	<0.001	<0.00005	<0.001	0.005	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW201**	**09 Dec 2022**	0.12	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW201 W/2**	**21 Feb 2023**	0.24	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW201 W/2**	**19 Apr 2023**	0.08	<0.001	<0.00005	<0.001	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW201 W/2**	**01 May 2023**	0.29	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW202 W1**	**09 Dec 2022**	0.15	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW202 W/1**	**21 Feb 2023**	0.17	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW202 W/1**	**19 Apr 2023**	0.13	<0.001	<0.00005	<0.001	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW202 W/1**	**01 May 2023**	0.27	<0.001	<0.00005	<0.001	0.019	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW202 W2**	**09 Dec 2022**	0.14	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW202 W/2**	**21 Feb 2023**	0.16	<0.001	<0.00005	<0.001	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW202 W/2**	**19 Apr 2023**	0.065	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW202 W/2**	**01 May 2023**	0.31	<0.001	<0.00005	<0.001	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW203 W1**	**09 Dec 2022**	0.21	<0.001	<0.00005	<0.001	0.019	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW203 W/1**	**21 Feb 2023**	0.19	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW203 W/1**	**19 Apr 2023**	0.09	<0.001	<0.00005	<0.001	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW203 W/1**	**01 May 2023**	0.3	<0.001	<0.00005	<0.001	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW203 W2**	**09 Dec 2022**	0.25	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW203 W/2**	**21 Feb 2023**	0.19	<0.001	<0.00005	<0.001	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW203 W/2**	**19 Apr 2023**	0.059	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW203 W/2**	**01 May 2023**	0.26	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW204 W1**	**09 Dec 2022**	1.8	<0.001	<0.00005	<0.001	0.009	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW204 W/1**	**23 Feb 2023**	2.8	0.001	<0.00005	<0.001	0.006	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW204 W/1**	**19 Apr 2023**	2.2	0.001	<0.00005	<0.001	0.005	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW204 W/1**	**01 May 2023**	5.4	0.003	<0.00005	<0.001	0.014	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW204 W2**	**09 Dec 2022**	0.84	<0.001	<0.00005	<0.001	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW204 W/2**	**23 Feb 2023**	0.56	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW204 W/2**	**19 Apr 2023**	4.1	0.003	<0.00005	<0.001	0.014	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW204 W/2**	**01 May 2023**	0.96	<0.001	<0.00005	<0.001	0.005	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW205 W1**	**09 Dec 2022**	0.12	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
312763	**3365/SW205**	**01 Jan 2023**	0.2	<0.001	<0.00005	<0.001	0.007	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
314392	**3365/SW205 W/1**	**21 Feb 2023**	0.091	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
314392	**3365/SW205**	**20 Mar 2023**	0.19	<0.001	<0.00005	<0.001	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
314392	**3365/SW205 W/1**	**19 Apr 2023**	0.064	<0.001	<0.00005	<0.001	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
314392	**3365/SW205 W/1**	**01 May 2023**	0.34	<0.001	<0.00005	<0.001	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW205 W2**	**09 Dec 2022**	0.13	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW205 W/1**	**21 Feb 2023**	0.084	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW205 W/1**	**19 Apr 2023**	0.18	<0.001	<0.00005	<0.001	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW205 W/1**	**01 May 2023**	0.36	<0.001	<0.00005	<0.001	0.006	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW206 W1**	**09 Dec 2022**	0.098	<0.001	<0.00005	<0.001	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW206 W/1**	**21 Feb 2023**	0.12	<0.001	<0.00005	<0.001	0.005	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW206 W/1**	**19 Apr 2023**	0.12	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW206 W/1**	**01 May 2023**	0.45	<0.001	<0.00005	<0.001	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW206 W2**	**09 Dec 2022**	0.094	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW206 W/2**	**21 Feb 2023**	0.13	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW206 W/2**	**19 Apr 2023**	0.1	<0.001	<0.00005	<0.001	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW206 W/2**	**01 May 2023**	0.57	<0.001	<0.00005	<0.001	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW207 W1**	**09 Dec 2022**	0.14	<0.001	<0.00005	<0.001	0.005	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW207**	**01 Jan 2023**	0.22	<0.001	<0.00005	<0.001	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW207 W/1**	**21 Feb 2023**	0.16	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW207**	**20 Mar 2023**	4.7	0.003	<0.00005	<0.001	0.016	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW207 W/1**	**19 Apr 2023**	0.13	<0.001	<0.00005	<0.001	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW207 W/1**	**01 May 2023**	0.21	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	**3365/SW207 W2**	**09 Dec 2022**	0.16	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

			tals					Organochlorine Pesticides													
			Iron	Lead	Mercury	Selenium	Zinc	4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin
			mg/L	mg/L	mg/L	mg/L	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
317305	3365/SW207 W/2	21 Feb 2023	0.14	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	3365/SW207 W/2	19 Apr 2023	0.12	<0.001	<0.00005	<0.001	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	3365/SW207 W/2	01 May 2023	0.23	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	3365/SW208 W1	09 Dec 2022	0.1	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	3365/SW208 W/1	21 Feb 2023	0.15	<0.001	<0.00005	<0.001	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	3365/SW208 W/1	19 Apr 2023	0.12	<0.001	<0.00005	<0.001	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	3365/SW208 W/1	01 May 2023	0.21	<0.001	<0.00005	<0.001	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	3365/SW208 W2	09 Dec 2022	0.12	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	3365/SW208 W/2	21 Feb 2023	0.14	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	3365/SW208 W/2	19 Apr 2023	0.12	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	3365/SW208 W/2	01 May 2023	0.24	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	3365/SW209 W1	09 Dec 2022	0.19	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	3365/SW209 W/1	21 Feb 2023	0.22	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	3365/SW209 W/1	19 Apr 2023	0.11	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
317305	3365/SW209 W/1	01 May 2023	0.42	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
319307	3365/SW209 W2	09 Dec 2022	0.19	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
319307	3365/SW209 W/2	21 Feb 2023	0.2	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
319307	3365/SW209 W/2	19 Apr 2023	0.11	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
319307	3365/SW209 W/2	01 May 2023	0.5	<0.001	<0.00005	<0.001	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW210 W1	09 Dec 2022	0.2	<0.001	<0.00005	<0.001	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW210	01 Jan 2023	0.14	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW210 W/1	21 Feb 2023	0.2	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW210	20 Mar 2023	3.1	0.002	<0.00005	<0.001	0.011	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW210 W/1	19 Apr 2023	0.17	<0.001	<0.00005	<0.001	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW210 W/1	01 May 2023	0.16	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW210 W2	09 Dec 2022	0.19	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW210 W/2	21 Feb 2023	0.23	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW210 W/2	19 Apr 2023	0.41	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW210 W/2	01 May 2023	0.16	<0.001	<0.00005	<0.001	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW211 W1	09 Dec 2022	0.26	<0.001	<0.00005	<0.001	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW211	01 Jan 2023	0.25	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW211 W/1	21 Feb 2023	0.16	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW211	20 Mar 2023	0.22	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW211 W/1	19 Apr 2023	0.21	<0.001	<0.00005	<0.001	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW211 W/1	01 May 2023	0.66	<0.001	<0.00005	<0.001	0.007	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW211 W2	09 Dec 2022	0.32	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW211 W/2	21 Feb 2023	0.17	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW211 W/2	19 Apr 2023	0.18	<0.001	<0.00005	<0.001	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW211 W/2	01 May 2023	0.22	<0.001	<0.00005	<0.001	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW212 W1	09 Dec 2022	0.21	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW212 W/1	21 Feb 2023	0.19	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW212 W/1	19 Apr 2023	0.15	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW212 W/1	01 May 2023	0.16	<0.001	<0.00005	<0.001	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW212 W2	09 Dec 2022	0.19	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW212 W/2	21 Feb 2023	0.22	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW212 W/2	19 Apr 2023	0.13	<0.001	<0.00005	<0.001	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW212 W/2	01 May 2023	0.16	<0.001	<0.00005	<0.001	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW213 W1	09 Dec 2022	0.2	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW213 W/1	21 Feb 2023	0.17	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW213 W/1	19 Apr 2023	0.15	<0.001	<0.00005	<0.001	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW213 W/1	01 May 2023	0.17	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW213 W2	09 Dec 2022	0.18	<0.001	<0.00005	<0.001	0.005	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321448	3365/SW213 W/2	21 Feb 2023	0.16	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW213 W/2	19 Apr 2023	0.072	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW213 W/2	01 May 2023	0.16	<0.001	<0.00005	<0.001	0.005	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW214 W1	09 Dec 2022	0.48	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW214 W/1	21 Feb 2023	0.16	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW214 W/1	19 Apr 2023	0.16	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW214 W/1	01 May 2023	0.15	<0.001	<0.00005	<0.001	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW214 W2	09 Dec 2022	0.53	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW214 W/2	21 Feb 2023	0.15	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

			tals					Organochlorine Pesticides												
			Iron	Lead	Mercury	Selenium	Zinc	4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin
			mg/L	mg/L	mg/L	mg/L	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
322245	3365/SW214 W/2	19 Apr 2023	0.16	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW214 W/2	01 May 2023	0.15	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW215 W1	09 Dec 2022	0.19	<0.001	<0.00005	<0.001	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW215 W/1	21 Feb 2023	0.075	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW215 W/1	19 Apr 2023	0.086	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW215 W/1	01 May 2023	0.22	<0.001	<0.00005	<0.001	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW215 W2	09 Dec 2022	0.15	<0.001	<0.00005	<0.001	0.005	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW215 W/2	21 Feb 2023	0.12	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW215 W/2	19 Apr 2023	0.1	<0.001	<0.00005	<0.001	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW215 W/2	01 May 2023	0.22	<0.001	<0.00005	<0.001	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW216 W1	09 Dec 2022	0.02	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW216 W/1	21 Feb 2023	0.07	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW216 W/1	19 Apr 2023	0.042	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW216 W/1	01 May 2023	0.21	<0.001	<0.00005	<0.001	0.004	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW216 W2	09 Dec 2022	0.023	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW216 W/2	21 Feb 2023	0.075	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW216 W/2	19 Apr 2023	0.078	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW216 W/2	01 May 2023	0.21	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW217 W1	09 Dec 2022	0.036	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW217 W/1	21 Feb 2023	0.16	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW217 W/1	19 Apr 2023	0.092	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW217 W/1	01 May 2023	0.19	<0.001	<0.00005	<0.001	0.002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW217 W2	09 Dec 2022	0.034	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW217 W/2	21 Feb 2023	0.14	<0.001	<0.00005	<0.001	<0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW217 W/2	19 Apr 2023	0.11	<0.001	<0.00005	<0.001	0.003	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
322245	3365/SW217 W/2	01 May 2023	0.15	<0.001	<0.00005	<0.001	0.004	<0.2	<0.2	<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	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144
Number of Detects	144	6	0	0	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration	0.02	0.001	<0.00005	<0.001	0.001	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Minimum Detect	0.02	0.001	ND	ND	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration	5.4	0.003	<0.00005	<0.001	0.019	<0.2	<0.2	<0.2	<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 Detect	5.4	0.003	ND	ND	0.019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration *	0.35	0.00057	0.000025	0.0005	0.0027	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Median Concentration *	0.165	0.0005	0.000025	0.0005	0.002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Standard Deviation *	0.76	0.00038	0	0	0.0034	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95% UCL (Student's-t) *	0.459	0.00062207	0.000025	0.0005	0.00316	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
% of Detects	100	4	0	0	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% of Non-Detects	0	96	100	100	35	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

* A Non Detect Multiplier of 0.5 has been applied.

							PAH													
			Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	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
			µg/L	µg/L	µg/L	µg/L	µg/L	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
EQL			0.2	0.2	0.2	0.2	0.2	0.0002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
Lab Report Number	**Field ID**	**Date**																			
312763	**3365/SW201W/1**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
312763	**3365/SW201 W/1**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW201 W/1**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW201 W/1**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW201**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
312763	**3365/SW201 W/2**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW201 W/2**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW201 W/2**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW202 W1**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
312763	**3365/SW202 W/1**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW202 W/1**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW202 W/1**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW202 W2**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
312763	**3365/SW202 W/2**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW202 W/2**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW202 W/2**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW203 W1**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
312763	**3365/SW203 W/1**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW203 W/1**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW203 W/1**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW203 W2**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
312763	**3365/SW203 W/2**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW203 W/2**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW203 W/2**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW204 W1**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
312763	**3365/SW204 W/1**	**23 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW204 W/1**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW204 W/1**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW204 W2**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
312763	**3365/SW204 W/2**	**23 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW204 W/2**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW204 W/2**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
312763	**3365/SW205 W1**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
312763	**3365/SW205**	**01 Jan 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
314392	**3365/SW205 W/1**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
314392	**3365/SW205**	**20 Mar 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
314392	**3365/SW205 W/1**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
314392	**3365/SW205 W/1**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	**3365/SW205 W2**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
317305	**3365/SW205 W/1**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	**3365/SW205 W/1**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	**3365/SW205 W/1**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	**3365/SW206 W1**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
317305	**3365/SW206 W/1**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	**3365/SW206 W/1**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	**3365/SW206 W/1**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	**3365/SW206 W2**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
317305	**3365/SW206 W/2**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	**3365/SW206 W/2**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	**3365/SW206 W/2**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	**3365/SW207 W1**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
317305	**3365/SW207**	**01 Jan 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
317305	**3365/SW207 W/1**	**21 Feb 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	**3365/SW207**	**20 Mar 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	**3365/SW207 W/1**	**19 Apr 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	**3365/SW207 W/1**	**01 May 2023**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	**3365/SW207 W2**	**09 Dec 2022**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

								PAH												
			Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	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
			µg/L	µg/L	µg/L	µg/L	µg/L	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
317305	3365/SW207 W/2	21 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	3365/SW207 W/2	19 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	3365/SW207 W/2	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	3365/SW208 W1	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
317305	3365/SW208 W/1	21 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	3365/SW208 W/1	19 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	3365/SW208 W/1	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	3365/SW208 W2	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
317305	3365/SW208 W/2	21 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	3365/SW208 W/2	19 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	3365/SW208 W/2	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	3365/SW209 W1	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
317305	3365/SW209 W/1	21 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	3365/SW209 W/1	19 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
317305	3365/SW209 W/1	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
319307	3365/SW209 W2	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
319307	3365/SW209 W/2	21 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
319307	3365/SW209 W/2	19 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
319307	3365/SW209 W/2	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	3365/SW210 W1	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
321448	3365/SW210	01 Jan 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
321448	3365/SW210 W/1	21 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	3365/SW210	20 Mar 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	3365/SW210 W/1	19 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	3365/SW210 W/1	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	3365/SW210 W2	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
321448	3365/SW210 W/2	21 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	3365/SW210 W/2	19 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	3365/SW210 W/2	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	3365/SW211 W1	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
321448	3365/SW211	01 Jan 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
321448	3365/SW211 W/1	21 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	3365/SW211	20 Mar 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	3365/SW211 W/1	19 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	3365/SW211 W/1	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	3365/SW211 W2	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
321448	3365/SW211 W/2	21 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	3365/SW211 W/2	19 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	3365/SW211 W/2	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	3365/SW212 W1	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
321448	3365/SW212 W/1	21 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	3365/SW212 W/1	19 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	3365/SW212 W/1	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	3365/SW212 W2	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
321448	3365/SW212 W/2	21 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	3365/SW212 W/2	19 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	3365/SW212 W/2	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	3365/SW213 W1	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
321448	3365/SW213 W/1	21 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	3365/SW213 W/1	19 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	3365/SW213 W/1	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
321448	3365/SW213 W2	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
321448	3365/SW213 W/2	21 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	3365/SW213 W/2	19 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	3365/SW213 W/2	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	3365/SW214 W1	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
322245	3365/SW214 W/1	21 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	3365/SW214 W/1	19 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	3365/SW214 W/1	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	3365/SW214 W2	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
322245	3365/SW214 W/2	21 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1

								PAH												
			Endrin aldehyde	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	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
			µg/L	µg/L	µg/L	µg/L	µg/L	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
322245	3365/SW214 W/2	19 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	3365/SW214 W/2	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	3365/SW215 W1	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
322245	3365/SW215 W/1	21 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	3365/SW215 W/1	19 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	3365/SW215 W/1	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	3365/SW215 W2	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
322245	3365/SW215 W/2	21 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	3365/SW215 W/2	19 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	3365/SW215 W/2	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	3365/SW216 W1	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
322245	3365/SW216 W/1	21 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	3365/SW216 W/1	19 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	3365/SW216 W/1	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	3365/SW216 W2	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
322245	3365/SW216 W/2	21 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	3365/SW216 W/2	19 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	3365/SW216 W/2	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	3365/SW217 W1	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
322245	3365/SW217 W/1	21 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	3365/SW217 W/1	19 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	3365/SW217 W/1	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	3365/SW217 W2	09 Dec 2022	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
322245	3365/SW217 W/2	21 Feb 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	3365/SW217 W/2	19 Apr 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
322245	3365/SW217 W/2	01 May 2023	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1

Statistics

Number of Results	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144
Number of Detects	0	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	<0.0002	<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
Minimum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Maximum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration *	0.1	0.1	0.1	0.1	0.1	0.00034	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.21	0.17
Median Concentration *	0.1	0.1	0.1	0.1	0.1	0.0001	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.05
Standard Deviation *	0	0	0	0	0	0.0004	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.18	0.2
95% UCL (Student's-t) *	0.1	0.1	0.1	0.1	0.1	0.00039242	0.196	0.196	0.196	0.196	0.196	0.196	0.196	0.196	0.196	0.196	0.196	0.196	0.23	0.196
% of Detects	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% of Non-Detects	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

* A Non Detect Multiplier of 0.5 has been applied.

						PCBs							TPH				
			Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)	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	mg/L	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
EQL			0.1	0.0005	0.0001	2	2	2	2	2	2	2	10	50	100	100	50
Lab Report Number	**Field ID**	**Date**															
312763	**3365/SW201W/1**	**09 Dec 2022**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW201 W/1**	**21 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW201 W/1**	**19 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW201 W/1**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW201**	**09 Dec 2022**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW201 W/2**	**21 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW201 W/2**	**19 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW201 W/2**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW202 W1**	**09 Dec 2022**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW202 W/1**	**21 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW202 W/1**	**19 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW202 W/1**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW202 W2**	**09 Dec 2022**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW202 W/2**	**21 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW202 W/2**	**19 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW202 W/2**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW203 W1**	**09 Dec 2022**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW203 W/1**	**21 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW203 W/1**	**19 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW203 W/1**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW203 W2**	**09 Dec 2022**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW203 W/2**	**21 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW203 W/2**	**19 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW203 W/2**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW204 W1**	**09 Dec 2022**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW204 W/1**	**23 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW204 W/1**	**19 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW204 W/1**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW204 W2**	**09 Dec 2022**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW204 W/2**	**23 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW204 W/2**	**19 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW204 W/2**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW205 W1**	**09 Dec 2022**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
312763	**3365/SW205**	**01 Jan 2023**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
314392	**3365/SW205 W/1**	**21 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
314392	**3365/SW205**	**20 Mar 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
314392	**3365/SW205 W/1**	**19 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
314392	**3365/SW205 W/1**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW205 W2**	**09 Dec 2022**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW205 W/1**	**21 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW205 W/1**	**19 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW205 W/1**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW206 W1**	**09 Dec 2022**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW206 W/1**	**21 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW206 W/1**	**19 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW206 W/1**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW206 W2**	**09 Dec 2022**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW206 W/2**	**21 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW206 W/2**	**19 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW206 W/2**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW207 W1**	**09 Dec 2022**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW207**	**01 Jan 2023**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW207 W/1**	**21 Feb 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW207**	**20 Mar 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW207 W/1**	**19 Apr 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW207 W/1**	**01 May 2023**	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	**3365/SW207 W2**	**09 Dec 2022**	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50

						PCBs							TPH				
			Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)	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	mg/L	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
317305	3365/SW207 W/2	21 Feb 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	3365/SW207 W/2	19 Apr 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	3365/SW207 W/2	01 May 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	3365/SW208 W1	09 Dec 2022	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	3365/SW208 W/1	21 Feb 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	3365/SW208 W/1	19 Apr 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	3365/SW208 W/1	01 May 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	3365/SW208 W2	09 Dec 2022	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	3365/SW208 W/2	21 Feb 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	3365/SW208 W/2	19 Apr 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	3365/SW208 W/2	01 May 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	3365/SW209 W1	09 Dec 2022	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	3365/SW209 W/1	21 Feb 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	3365/SW209 W/1	19 Apr 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
317305	3365/SW209 W/1	01 May 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
319307	3365/SW209 W2	09 Dec 2022	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
319307	3365/SW209 W/2	21 Feb 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
319307	3365/SW209 W/2	19 Apr 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
319307	3365/SW209 W/2	01 May 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW210 W1	09 Dec 2022	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW210	01 Jan 2023	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW210 W/1	21 Feb 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW210	20 Mar 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW210 W/1	19 Apr 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW210 W/1	01 May 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW210 W2	09 Dec 2022	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW210 W/2	21 Feb 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW210 W/2	19 Apr 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW210 W/2	01 May 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW211 W1	09 Dec 2022	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW211	01 Jan 2023	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW211 W/1	21 Feb 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW211	20 Mar 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	140	<100	140
321448	3365/SW211 W/1	19 Apr 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW211 W/1	01 May 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW211 W2	09 Dec 2022	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW211 W/2	21 Feb 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW211 W/2	19 Apr 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW211 W/2	01 May 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW212 W1	09 Dec 2022	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW212 W/1	21 Feb 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW212 W/1	19 Apr 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW212 W/1	01 May 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW212 W2	09 Dec 2022	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW212 W/2	21 Feb 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW212 W/2	19 Apr 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW212 W/2	01 May 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW213 W1	09 Dec 2022	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW213 W/1	21 Feb 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW213 W/1	19 Apr 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW213 W/1	01 May 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW213 W2	09 Dec 2022	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
321448	3365/SW213 W/2	21 Feb 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW213 W/2	19 Apr 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW213 W/2	01 May 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW214 W1	09 Dec 2022	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW214 W/1	21 Feb 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW214 W/1	19 Apr 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW214 W/1	01 May 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW214 W2	09 Dec 2022	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW214 W/2	21 Feb 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50

						PCBs							TPH				
			Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)	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	mg/L	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
322245	3365/SW214 W/2	19 Apr 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW214 W/2	01 May 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW215 W1	09 Dec 2022	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW215 W/1	21 Feb 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW215 W/1	19 Apr 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW215 W/1	01 May 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW215 W2	09 Dec 2022	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW215 W/2	21 Feb 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW215 W/2	19 Apr 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW215 W/2	01 May 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW216 W1	09 Dec 2022	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW216 W/1	21 Feb 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW216 W/1	19 Apr 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW216 W/1	01 May 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW216 W2	09 Dec 2022	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW216 W/2	21 Feb 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW216 W/2	19 Apr 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW216 W/2	01 May 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW217 W1	09 Dec 2022	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW217 W/1	21 Feb 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW217 W/1	19 Apr 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW217 W/1	01 May 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW217 W2	09 Dec 2022	<1	<0.005	0	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW217 W/2	21 Feb 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW217 W/2	19 Apr 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50
322245	3365/SW217 W/2	01 May 2023	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<50

Statistics

Number of Results	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144
Number of Detects	0	0	38	0	0	0	0	0	0	0	0	0	0	1	0	1
Minimum Concentration	<0.1	<0.0005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	<100	<100	<100	<50
Minimum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	140	ND	140
Maximum Concentration	<1	<0.005	<0.0001	<2	<2	<2	<2	<2	<2	<2	<10	<50	140	<100	140
Maximum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	140	ND	140
Average Concentration *	0.17	0.00084	0.00005	1	1	1	1	1	1	1	5	25	51	50	26
Median Concentration *	0.05	0.00025	0.00005	1	1	1	1	1	1	1	5	25	50	50	25
Standard Deviation *	0.2	0.001	0	0	0	0	0	0	0	0	0	0	7.5	0	9.6
95% UCL (Student's-t) *	0.196	0.00098104	0.00005	1	1	1	1	1	1	1	5	25	51.66	50	27.12
% of Detects	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
% of Non-Detects	100	100	100	100	100	100	100	100	100	100	100	100	99	100	99

* A Non Detect Multiplier of 0.5 has been applied.

Table 44: Comparison of Primary and Duplicate samples

					Metals										
					Aluminium	Arsenic	Cadmium	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	mg/L
EQL					0.01	0.001	0.0001	0.001	0.001	0.01	0.001	0.00005	0.001	0.001
Lab Report Number	**Field ID**	**Date**	**Monitoring Zone**	**Sample Type**										
312763	**3365/SW201**	**09 Dec 2022**	**Estuary Water Monitoring**	**Normal**	0.06	0.002		0.001	<0.001	0.12	<0.001	<0.00005	<0.001	<0.001
312763	**3365/DUP03**	**09 Dec 2022**	**Estuary Water Monitoring**	**Field_D**	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**	**Surface Water Monitoring**	**Normal**	0.58	0.002		0.002	0.001	1.8	<0.001	<0.00005	<0.001	0.009
312763	**3365/DUP04**	**09 Dec 2022**	**Surface Water Monitoring**	**Field_D**	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**	**Surface Water Monitoring**	**Normal**	3.3	0.003		0.005	0.002	16	0.006	<0.00005	<0.001	0.008
312763	**3365/DUP01**	**09 Dec 2022**	**Surface Water Monitoring**	**Field_D**	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**	**Estuary Water Monitoring**	**Normal**	1.1	0.004		0.002	0.003	4.9	0.002	<0.00005	<0.001	0.006
312763	**3365/DUP02**	**09 Dec 2022**	**Estuary Water Monitoring**	**Field_D**	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**	**Estuary Water Monitoring**	**Normal**	0.15	0.002		0.002	<0.001	0.2	<0.001	<0.00005	<0.001	0.007
314392	**3365/DUP03**	**01 Jan 2023**	**Estuary Water Monitoring**	**Field_D**	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**	**Estuary Water Monitoring**	**Normal**	0.12	0.002	<0.0001	<0.001	<0.001	0.22	<0.001	<0.00005	<0.001	0.002
317305	**3365/DUP02**	**21 Feb 2023**	**Estuary Water Monitoring**	**Field_D**	0.14	0.002	<0.0001	<0.001	<0.001	0.22	<0.001	<0.00005	<0.001	0.001
RPD					15	0	0	0	0	0	0	0	0	67
317305	**3365/SW215 W/2**	**21 Feb 2023**	**Estuary Water Monitoring**	**Normal**	0.06	0.001	<0.0001	<0.001	<0.001	0.12	<0.001	<0.00005	<0.001	<0.001
317305	**3365/DUP01**	**21 Feb 2023**	**Estuary Water Monitoring**	**Field_D**	0.08	0.002	<0.0001	<0.001	<0.001	0.14	<0.001	<0.00005	<0.001	0.003
RPD					29	67	0	0	0	15	0	0	0	100
317305	**3365/SW301 W/1**	**22 Feb 2023**	**Surface Water Monitoring**	**Normal**	1.5	<0.001	<0.0001	0.002	0.002	1.3	0.001	<0.00005	<0.001	0.003
317305	**3365/DUP03**	**22 Feb 2023**	**Surface Water Monitoring**	**Field_D**	0.97	<0.001	<0.0001	0.002	0.002	0.97	0.001	<0.00005	<0.001	0.005
RPD					43	0	0	0	0	29	0	0	0	50
317305	**3365/SW304 W/1**	**22 Feb 2023**	**Surface Water Monitoring**	**Normal**	2.6	0.001	<0.0001	0.003	0.003	3.5	0.002	<0.00005	<0.001	0.009
317305	**3365/DUP04**	**22 Feb 2023**	**Surface Water Monitoring**	**Field_D**	2.4	0.001	<0.0001	0.003	0.003	3.5	0.002	<0.00005	<0.001	0.014
RPD					8	0	0	0	0	0	0	0	0	43
321448	**3365/SW308 W/2**	**17 Apr 2023**	**Surface Water Monitoring**	**Normal**	1.3	0.001		0.002	0.002	3.2	0.002	<0.00005	<0.001	0.011
321448	**3365/DUP02**	**17 Apr 2023**	**Surface Water Monitoring**	**Field_D**	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**	**Estuary Water Monitoring**	**Normal**	0.09	0.002		<0.001	<0.001	0.12	<0.001	<0.00005	<0.001	0.002
321448	**3365/DUP03**	**19 Apr 2023**	**Estuary Water Monitoring**	**Field_D**	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**	**Estuary Water Monitoring**	**Normal**	0.11	0.002		0.001	<0.001	0.21	<0.001	<0.00005	<0.001	0.003
321448	**3365/DUP04**	**19 Apr 2023**	**Estuary Water Monitoring**	**Field_D**	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**	**Estuary Water Monitoring**	**Normal**	0.1	0.001		<0.001	<0.001	0.22	<0.001	<0.00005	<0.001	0.003
322245	**3365/DUP04**	**01 May 2023**	**Estuary Water Monitoring**	**Field_D**	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**	**Estuary Water Monitoring**	**Normal**	0.1	0.001		<0.001	<0.001	0.22	<0.001	<0.00005	<0.001	0.004
322245	**3365/DUP03**	**01 May 2023**	**Estuary Water Monitoring**	**Field_D**	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**	**Surface Water Monitoring**	**Normal**	1.6	<0.001		0.002	0.002	1.3	0.002	<0.00005	<0.001	0.008
322245	**3365/DUP01**	**01 May 2023**	**Surface Water Monitoring**	**Field_D**	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

***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 45: Surface water - water quality data all events - Temp (°C)

Sites	min	max	mean	median	range
301	16.7	32.7	23.43333	20.9	16
302	15.5	16.2	15.85	15.85	0.7
303	18.1	32.7	24.56667	22.9	14.6
304	14.7	19.7	17.73333	18.8	5
305	17.4	26	22.275	22.85	8.6
306	18.7	32.5	25.2	24.8	13.8
307	16.1	23.1	20.1	21.1	7
308	15.2	27.9	20.925	20.3	12.7
total	14.7	32.7	21.26042	21	18

Table 46: 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	6.98	5.97	5.97	2.02
303	7.74	8.53	8.15	8.18	0.79
304	4.45	6.75	5.606667	5.62	2.3
305	6.78	8.72	7.5825	7.415	1.94
306	8.11	8.67	8.3825	8.375	0.56
307	4.32	5.61	4.996667	5.06	1.29
308	4.51	5.36	4.895	4.855	0.85
total	4.32	8.72	6.464167	5.905	4.4

Table 47: Surface water - water quality data all events - Redox Potential (mV)

Sites	min	max	mean	median	range
301	165.4	212.6	181.8	167.4	47.2
302	141.3	165	153.15	153.15	23.7
303	118.2	197.8	155.0667	149.2	79.6
304	150.6	230.3	177.9667	153	79.7
305	124.6	1640	523.05	163.8	1515.4
306	102.8	174.2	135.825	133.15	71.4
307	122.8	241.5	168.5667	141.4	118.7
308	163.1	277.3	212.075	203.95	114.2
total	102.8	1640	213.4375	153.075	1537.2

Table 48: Surface water - water quality data all events - Dissolved Oxygen (mg/L)

Sites	min	max	mean	median	range
301	2.96	20.8	10.08333	6.49	17.84
302	-0.14	5.4	2.63	2.63	5.54
303	-0.12	7.98	3.08	1.38	8.1
304	0.55	3.11	2.226667	3.02	2.56
305	-0.13	3.41	1.8275	2.015	3.54
306	-0.13	8.25	2.925	1.79	8.38
307	2.99	217	74.33667	3.02	214.01
308	-0.2	5.44	2.3775	2.135	5.64
total	-0.2	217	12.43583	2.3825	217.2

Table 49: Surface water - water quality data all events - EC (uS/cm)

Sites	min	max	mean	median	range
301	122.9	62804	21031.87	168.7	62681.1
302	177.8	316.4	247.1	247.1	138.6
303	25590	42442	35319.67	37927	16852
304	75.3	3071	1081.6	98.5	2995.7
305	23212	52126	38452	39235	28914
306	31218	63478	43938.25	40528.5	32260
307	131.6	1961	824.2	380	1829.4
308	151.5	1838	855.825	716.9	1686.5
total	75.3	63478	17718.81	548.45	63402.7

Table 50: Surface water - water quality data all events - Turbidity (ntu)

Sites	min	max	mean	median	range
301	10.5	253.13	131.815	131.815	242.63
302	-	-	-	-	-
303	66.73	66.73	66.73	66.73	0
304	76.4	79	77.7	77.7	2.6
305	11.84	56.35	34.095	34.095	44.51
306	12.96	319.7	166.33	166.33	306.74
307	28.29	80.8	54.545	54.545	52.51
308	29.12	327.9	178.51	178.51	298.78
total	10.5	327.9	101.3893	77.7	317.4

Table 51: Estuary surface water – water quality data all events - Temp (°C)

Sites	min	max	mean	median	range
201	18.7	25.5	20.925	19.75	6.8
202	18.4	24.4	20.575	19.75	6
203	18.3	23.8	20.425	19.8	5.5
204	13.1	20.7	17.575	18.25	7.6
205	18.1	23.6	20.9	20.85	5.5
206	14	23.2	17.35	16.1	9.2
207	14.6	23.9	20.33333	21.25	9.3
208	18.2	22.7	19.95	19.45	4.5
209	16.8	23.1	19.85	19.75	6.3
210	16.8	24.4	20.93333	21.45	7.6
211	15.6	24.9	20.6	20.65	9.3
212	17.3	23.9	19.95	19.3	6.6
213	17.4	24.2	20.1	19.4	6.8
214	16.3	24.3	19.45	18.6	8
215	18.3	22.5	20	19.6	4.2
216	18.2	22.2	19.875	19.55	4
217	18.5	22.3	19.65	18.9	3.8
total	13.1	25.5	19.90833	19.6	12.4

Table 52: Estuary surface water – water quality data all events - pH

Sites	min	max	mean	median	range
201	-1.34	7.96	5.565	7.82	9.3
202	-2.34	8.13	5.3825	7.87	10.47
203	-2.35	8.13	5.3575	7.825	10.48
204	7.12	7.86	7.38	7.27	0.74
205	7.49	8.2	7.828333	7.88	0.71
206	7.54	8.2	7.905	7.94	0.66
207	3.32	8.14	6.613333	7.68	4.82
208	7.82	8.23	8.0125	8	0.41
209	-2.33	8.19	5.295	7.66	10.52
210	0.95	8.07	6.356667	7.675	7.12
211	2.77	8.02	6.588333	7.85	5.25
212	3.41	8.11	6.83	7.9	4.7
213	4.94	8.02	7.195	7.91	3.08
214	5.84	8.07	7.405	7.855	2.23
215	0.04	8.25	5.2425	6.34	8.21
216	-2.35	8.26	5.5075	8.06	10.61
217	-2.33	8.27	5.485	8	10.6
total	-2.35	8.27	6.467598	7.855	10.62

Table 53: Estuary surface water – water quality data all events - Redox Potential (mV)

Sites	min	max	mean	median	range
201	108.1	1977.6	609.675	176.5	1869.5
202	110.2	185.8	154.3	166.9	75.6
203	113.4	1966.5	601.225	162.5	1853.1
204	91.8	214.6	149.225	145.25	122.8
205	55.8	189.9	134.6	139.1	134.1
206	118.4	190.4	160.225	166.05	72
207	78.2	711.1	256.2833	188.4	632.9
208	122.2	188.9	161.25	166.95	66.7
209	118.4	1586.9	528.7	204.75	1468.5
210	70.9	1632.9	381.6833	141.85	1562
211	64.3	1604.2	354.5333	119.7	1539.9
212	117.9	1715.3	542.55	168.5	1597.4
213	73.2	1654.2	495.15	126.6	1581
214	7.9	1634.5	469.575	117.95	1626.6
215	128.4	340.3	191.25	148.15	211.9
216	103.6	203.6	146.9333	133.6	100
217	116.5	202.3	146.4667	120.6	85.8
total	7.9	1977.6	322.5662	148.15	1969.7

Table 54: Estuary surface water – water quality data all events - Dissolved Oxygen (mg/L)

Sites	min	max	mean	median	range
201	-0.15	9.43	3.315	1.99	9.58
202	-0.14	8.43	3.0825	2.02	8.57
203	-0.14	8.9	3.2025	2.025	9.04
204	-0.17	4.14	2.4125	2.84	4.31
205	-0.14	96.7	18.93167	4.27	96.84
206	-0.14	7.62	2.9	2.06	7.76
207	-0.2	98.3	19.55667	4.22	98.5
208	-0.13	9.3	3.335	2.085	9.43
209	-0.14	8.22	3.2275	2.415	8.36
210	-0.17	96.8	29.19833	4.97	96.97
211	-0.15	99	19.39333	4.005	99.15
212	-0.14	7.63	2.92	2.095	7.77
213	-0.14	7.11	2.7875	2.09	7.25
214	-0.15	6.91	2.74	2.1	7.06
215	-0.15	8.25	3.0725	2.095	8.4
216	-0.13	7.88	2.975	2.075	8.01
217	-0.15	7.9	2.9475	2.02	8.05
total	-0.2	99	7.411618	2.095	99.2

Table 55: Estuary surface water – water quality data all events - EC (uS/cm)

Sites	min	max	mean	median	range
201	25610	41806	34837.5	35967	16196
202	32037	57660	43360	41871.5	25623
203	25788	49204	37732	37968	23416
204	25684	43526	33749.25	32893.5	17842
205	27390	49861	38975.17	40431.5	22471
206	29174	50947	38962	37863.5	21773
207	586.6	47923	32153.77	35419	47336.4
208	30314	52335	40417	39509.5	22021
209	366.1	50903	32178.78	38723	50536.9
210	25771	45613	35123.17	32699	19842
211	26430	43688	37116.83	39741	17258
212	19116	42134	29009.5	27394	23018
213	27000	45632	36036.75	35757.5	18632
214	28320	45614	36393.5	35820	17294
215	1600	52384	32315	37638	50784
216	25078	53047	35342.5	31622.5	27969
217	31998	53105	42365.25	42179	21107
total	366.1	57660	36239.29	37638	57293.9

Table 56: Estuary surface water – water quality data all events - Turbidity (ntu)

Sites	min	max	mean	median	range
201	-1.57	14.92	6.99	7.62	16.49
202	-2.22	16.14	7.853333	9.64	18.36
203	-1.46	19.34	10.53333	13.72	20.8
204	17	47.83	35.75	42.42	30.83
205	-1.14	16.16	6.835	6.16	17.3
206	-3.05	14.96	7.133333	9.49	18.01
207	-2.37	102.46	34.0425	18.04	104.83
208	-3.01	15.55	7.26	9.24	18.56
209	-0.3	218.89	78.21333	16.05	219.19
210	0.57	27.25	11.425	8.94	26.68
211	0.46	2783	700.4375	9.145	2782.54
212	-0.62	25.3	12.66333	13.31	25.92
213	3.32	18.98	13.51333	18.24	15.66
214	0	32.1	16.47667	17.33	32.1
215	-3.01	16.96	7.423333	8.32	19.97
216	-3.17	11.5	4.976667	6.6	14.67
217	-1.89	13.26	7.943333	12.46	15.15
total	-3.17	2783	57.02765	9.64	2786.17

Appendix P – 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