Inflow and Discharge H1 Assessments
SSSI Crossing Dewatering Technical Note

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Prepared by	**S.Fraei**	Role	**Senior Environmental Consultant**
Reviewed by	**---**	Role	**Associate Hydrogeologist**
Approved by	**---**	Role	**Permit Lead**

REVISION HISTORY

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P01.02	**P1 - Published for Implementation**		**SF**	**---**

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Document history

PW Revision	Status	Purpose description	Originated	Checked	Reviewed	Authorised	Date
WIP		Draft for comment	BP/JE	AD	TW	JH	09/10/23
P1.01		1st Revision	TW/JE	BP/TW	JH		07/12/23
P1.02		Revised following Environment Agency Feedback	AD	CS	TW		21/03/24

Contents

Figures

1. Introduction

1.1. Overall Project Scope

This Scope of Works is part of a suite of documents describing Site Establishment and Enabling Works Design for the SZC Nuclear Power Station.

The Site Establishment and Enabling Works are physically bounded by the DCO “Red Line” boundary encompassing the development site.

Site Establishment and Enabling Works will interface with other designs such as Associated Developments (AD’s), Relocated Facilities (RF’s) and Statutory Undertakers’ Works at points within and around the red line boundary.

1.2. Package Description

The SSSI Crossing packages form part of the Enabling Works package. The Site of Special Scientific Interest (SSSI) crossings provide an essential link between the Temporary Construction Area (TCA) and Main Construction Area (MCA). The construction requires installation of an environmental barrier, which also forms permanent formwork for the abutment pile caps.

Figure 1-1 below presents the location of the SSSI crossing.

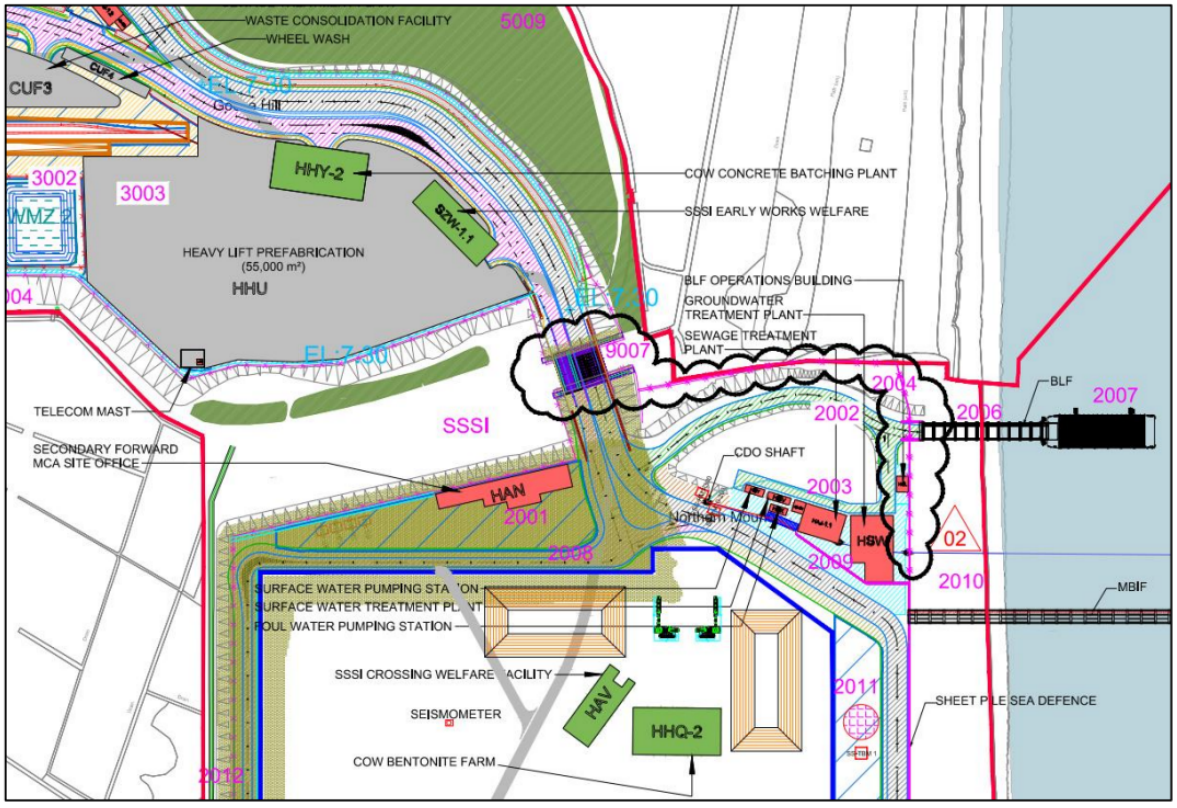

Figure 1-1 - Location of SSSI Crossing

1.3. Scope of Assessment

The scope of this report is to:

- estimate likely groundwater dewatering requirements from two sheet piled cofferdams which will be installed to facilitate the construction of bridge pile caps associated with north and south wing walls for SSSI crossing bridge; and
- carry out a surface water pollution risk assessment in accordance with Environment Agency permitting guidance (Environment Agency, December 2019)

1.4. Sources of Information

Numerous phases of design, monitoring and assessment have been completed historically for SZC, and data for this assessment comes from various of these sources as detailed below. Internet hyperlinks are included for documents that are published in the public realm (such as Environmental Statement appendices), and the section/page of the relevant document is included in this report. For any documents that are not published in the public realm, all relevant information for this assessment has been reproduced in this report. The following site specific sources were used for this assessment:

- "SZC-EW0411-ATK-XX-000-XXXXXX-REP-CIV-000010: Groundwater Monitoring Report between 2020-2022" (Atkins Ltd, 09 January 2023);
- Sizewell C Groundwater Modelling Report prepared for EDF NNB GenCo , January 2020. (Atkins, 2020b);
- UK EPR Sizewell: Geological cross sections. Document number: SZC-EDTEGG-AU-000RET-000120 (EDF NNB GenCo., 2014); and
- Technical Note: Water Quality and Flow Baseline. revision 1.0 Draft Issue. Ref. SZC-EW0921-ATK-XX-000-XXXXXX-REP-CLE-9000001 (Atkins, September 2023) (n.b. this Technical Note is included within the CWDA application);
- Drawing 5213850-SNC-MR-XX-DDRW-H-000612, Permanent bridge haul and bridge general arrangement sheet 2. (Atkins, 2022); and
- Drawing 5213850-SNC-MR-XX-DDRW-H-000614, Permanent bridge haul and bridge general arrangement sheet 1. (Atkins, 2023)

2. Dewatering Requirements

AtkinsRéalis were asked to estimate likely water ingress from the footprint and sidewalls of a sheet piled cofferdam which will be installed to facilitate the construction of bridge pile caps associated with north and south wing walls for SSSI crossing bridge. The pile caps are situated within the north and south wing walls. The sheet piles also provide an environmental barrier, protecting the SSSI from the lateral movement of any potential contamination (typically pH resulting from the construction of concrete piles/pile caps). The dewatering will enable a safe working environment to be maintained during pile cap construction. Figure 2-1 and Figure 2-2 show the general arrangement of the coffer dam and pile caps, and shows the approximate location of the coffer dams in relation to the SSSI and Leiston Drain.

This report aims to determine how much water will need to be pumped out of the excavation, the amount of potential draw down water. The north wing walls are modelled here as the Crag is more prevalent meaning maximum dewatering volumes will be calculated as well as maximum drawdown outside of the cofferdam.

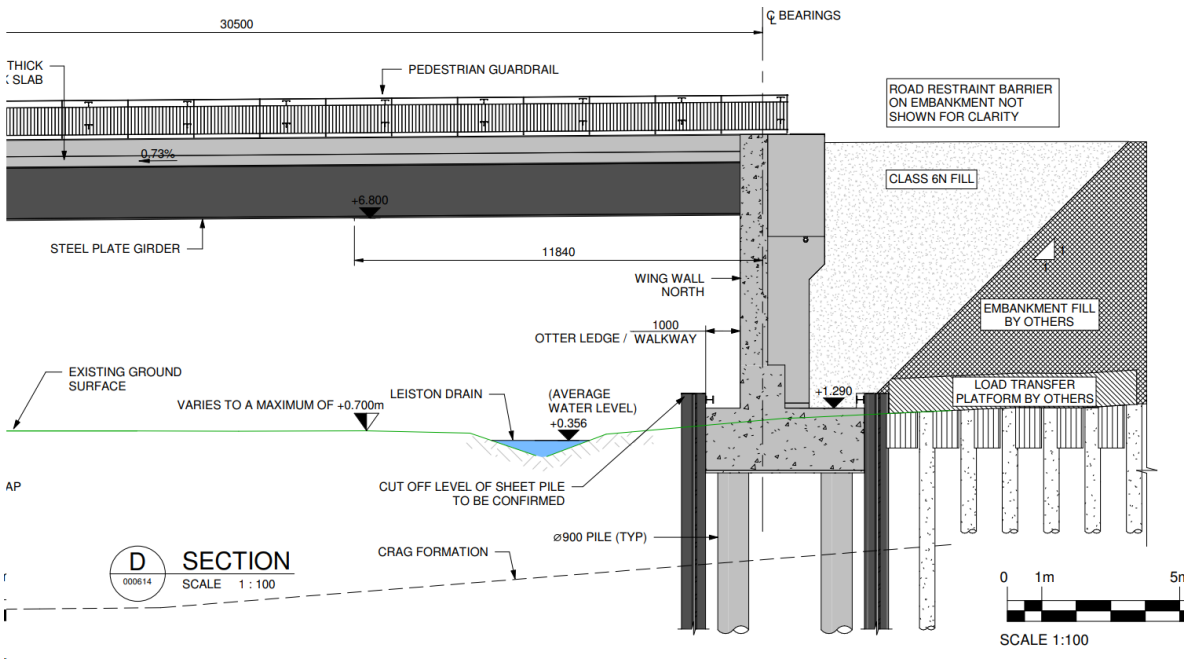

Figure 2-1 - Excerpt of Outline Design Drawing showing the sheet piles and pile cap (Atkins, 2022)

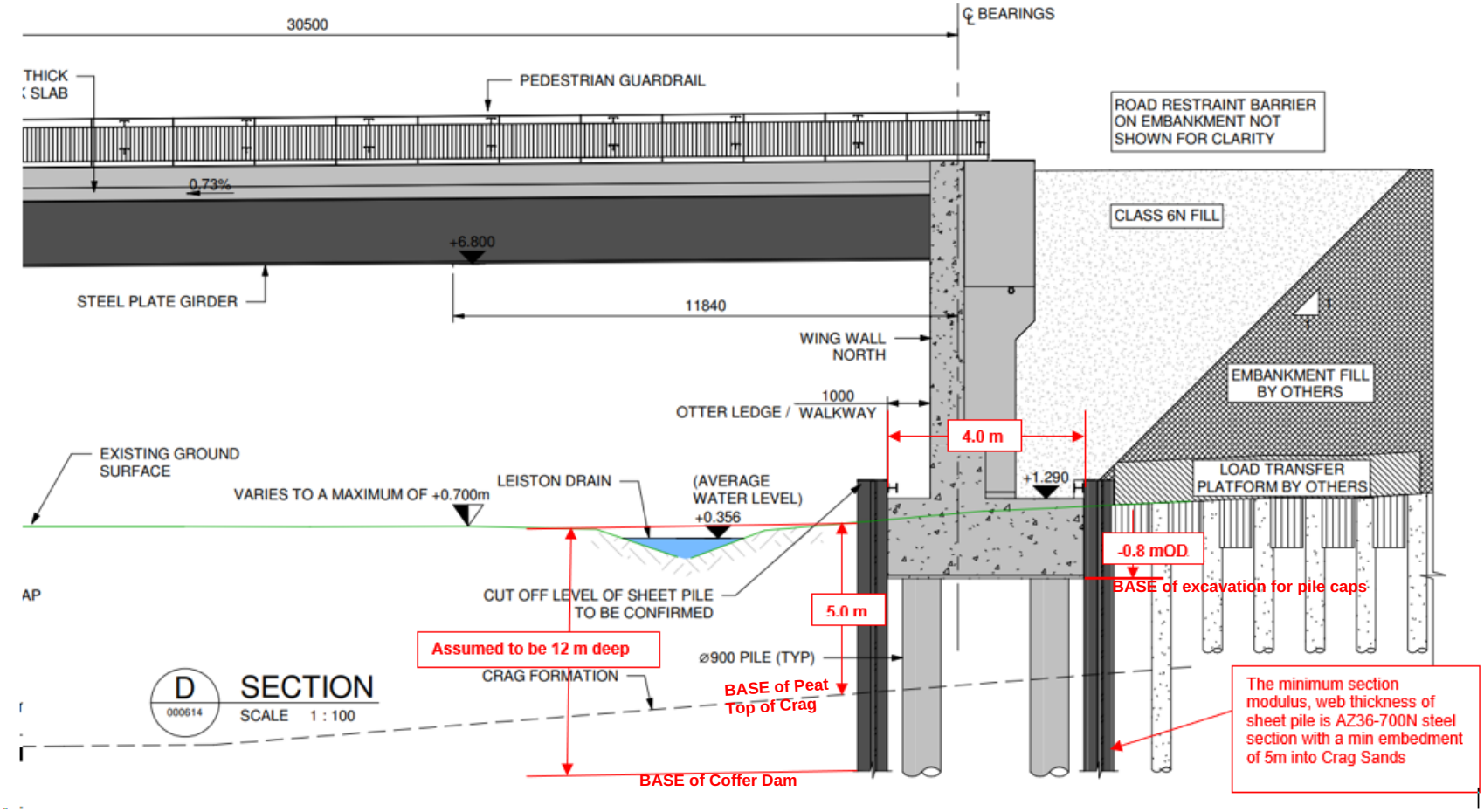

Figure 2-2 - Design Geometry

2.1. Construction Sequence

The construction methodology for the works required at the SSSI crossing is yet to be fully determined. Upon completion of the detailed design phase the construction sequence will be better understood. The dewatering volume calculations detailed on section 3 assume the following about the construction sequence:

- Northern and southern pile caps will be constructed concurrently;
- Construction dewatering period will be 70 days (1 day per m);
- Dewatering of the excavations may be undertaken 24/7;
- Pile cap will be excavated in 5 m long strips.

These assumptions have been agreed with the design teams as providing a conservative estimate of the *worst credible* daily dewatering volumes.

2.2. Discharge Arrangements

The detailed design of discharge arrangements are yet to be finalised. It is likely however that the groundwater expected to be encountered is of a coastal and estuarine nature and may therefore require treatment before being discharged into the Leiston Drain (inland freshwater body). To ensure the dewatering is monitored throughout the works the flow rate will be measured and logged at the beginning and end of each shift. An agreed standard of water quality is yet to be agreed with the Environment Agency, but once this is established (for example as set out in permitting requirements), testing in accordance with regulatory requirements (e.g., monitoring method and frequency) will be undertaken.

Discussion with the consents and construction team during detailed design will enable the selection of the appropriate option.

The works will be undertaken with a view to minimising the total amount of dewatering and risk of pollution. It is proposed that:

- The sheet piled cofferdam is used as permanent work form;
- The length of exposed excavation open at any one time will be minimised as far as reasonably practicable; and
- Furthermore, the sheet pile length has been optimised with the structural design requirements so that the amount of dewatering associated with the installation of the SSSI crossing is minimised as far as possible.

Flow control will be limited by the selected pump rate, no further flow controls at the outfall are proposed.

3. Environmental Setting

3.1. Site Location

The location of the proposed SSSI crossing is within the DCO Redline boundary encompassing the development site as illustrated in Figure 1-1. Located north of the existing Sizewell B power station and the proposed Sizewell C location, the SSSI crossing will provide a link between the Temporary Construction Area (TCA) and Main Construction Area (MCA) of the SZC site.

3.2. Geology

The regional geology of Sizewell C itself predominantly comprises Made Ground and Superficial Deposits containing Peat/ Alluvium over the bedrock including Crag Group and London Clay (and other Palaeogene deposits of the London basin) and Chalk Group (page 24, table 2.1 of (Atkins, 2020b)).

Local to the proposed SSSI bridge crossing site, the Crag outcrops in the north of the crossing, as shown in borehole BDG01A whose log is included in Appendix B. The Crag is proven to a depth of >40 m in BDG01A, and is shown to approximately 44 m to the top of the underlying London Clay in geological sections (page 29, plate 2.4 of (Atkins, 2020b; EDF NNB GenCo., 2014)). Peat deposits are present towards the south of the proposed SSSI bridge crossing area and have an average thickness of 3 to 4 m across large areas of the wider Sizewell C site but increase in thickness to approximately 8 to 10 m in the Sizewell Marshes SSSI (adjacent to the proposed SSSI bridge crossing area) (page 27, section 2.5.6 of (Atkins, 2020b)). The peat extends to approximately seven meters below ground level (m bgl) in the vicinity of the SSSI bridge crossing area (page 29, plate 2.4 of (Atkins, 2020b)).

3.3. Hydrogeology

The Environment Agency classifies the Crag Group as a Principal Aquifer. The aquifer is hydraulically separated from Chalk by the presence of the London Clay formation (unproductive stratum). The Peat is classified as unproductive stratum but has ecological importance associated with the Sizewell Marshes SSSI.

Contours produced using observed groundwater levels from boreholes screened within the Crag aquifer suggest that the groundwater level within the vicinity of the SSSI crossing area range between 0.3 – 0.8 meters above ordnance datum (m AOD). Water levels from boreholes screened within the Peat suggest that groundwater level ranges between 0.23 to 0.75 m AOD in this area. The groundwater model produced by Atkins (Atkins, 2020b) indicates that the head of water within the Crag can be increased up to 2 m AOD during the operational period of proposed power plant. The model suggests that changes in head with depth in the Crag aquifer are limited with changes in head of 10 cm over 20+ m depth. Borehole BDGA1, located in the vicinity of the SSSI crossing site and screened within the Crag aquifer had an average groundwater level of 0.36 m AOD. A water level of 0.36 m AOD was taken forward and used in the model.

Hydraulic head of Crag groundwater is slightly higher than those in the Peat, therefore it is considered that there is potential for groundwater within the Crag to migrate upwards into the Peat. No tidal variation is observed in the Peat unlike the Crag and therefore there is some hydraulic separation between these aquifers. This is considered to be due to the low vertical hydraulic conductivity of the Peat.

Leiston Drain is present within the SSSI crossing site. It has been reported (Atkins, 2020b) that drains in Sizewell Marsh are in hydraulic continuity with underlying groundwater, providing local recharge to the Sizewell Marshes SSSI and the Minsmere-Walberswick Heaths and Marshes SSSI during high water level conditions. It is assumed that Leiston Drain is in continuity with the underlying groundwater within Peat and Crag.

Hydraulic conductivity of the Crag was found to be within 0.02 to 37 metres/day (m/d) based on rising and falling head tests (page 32, table 2.3 of (Atkins, 2020b)). The hydraulic conductivity of the Peat was found to range between 0.009 to 17 m/d. In the 2020 model a hydraulic conductivity of 0.2 m/d ($2.0x10^{-06}$ m/s) was used for the Peat and 30 m/d ($3.54x10^{-4}$ m/s) for the Crag as described in the 2020 SZC modelling report (page 57, plate 3.3 of (Atkins, 2020b)).

3.4. Groundwater Quality Baseline

Between 2020 and 2022 Atkins collected groundwater samples from a series of monitoring wells installed at the Main Development Site (MDS) of Sizewell C, including 38 locations within the MCA and TCA areas (that the SSSI crossing site lies between) (Atkins Ltd, 09 January 2023). The groundwater samples were scheduled for analysis at a UKAS accredited laboratory for a range of inorganic and organic determinands, including chloride, ammonium, nitrate, dissolved metals / metalloids, total petroleum hydrocarbons (TPH), phenol, benzene, toluene, ethylbenzene and xylene (BTEX), speciated polycyclic aromatic hydrocarbons (sPAH), volatile organic compounds (VOCs) and semi volatile organic compounds (SVOCs).

The Atkins 2022 monitoring report (Atkins Ltd, 09 January 2023) found that there were elevated contaminants of concern including inorganics, metals/ metalloids, TPH and PAHs recorded in the groundwater samples tested underlying the MCA and parts of the TCA of Sizewell C. This area is subject to significant saline intrusion that is likely to have contributed to the concentrations of inorganic contaminants being reported within the groundwater and may also be affected by the underlying geology, adjacent marshes and farming activities.

The monitoring report undertook an assessment of risk from the contaminated groundwater to primary controlled waters receptors identified (underlying principal Crag aquifer and surface watercourses within the SSSI). The risk was considered to be low to moderate/low risk. However, elevated concentrations of organic contaminants have been identified in groundwater during some monitoring rounds across the MCA and TCA and the source of the contaminants is unknown at this time.

Locally, quality results have been obtained for five boreholes (C3S, C3D, C4S, C4D and P10) which are in the vicinity of the SSSI bridge crossing. The boreholes are screened in the superficial deposits (C3S and C4S), the Crag (C3D and C4D) and the Peat (P10) with information of their locations and response zones summarised in

Table 3-1 and the borehole logs have been included in Appendix A. The location of the selected boreholes is presented in Figure 3-1, along with the approximate location of the coffer dams and the outfall.

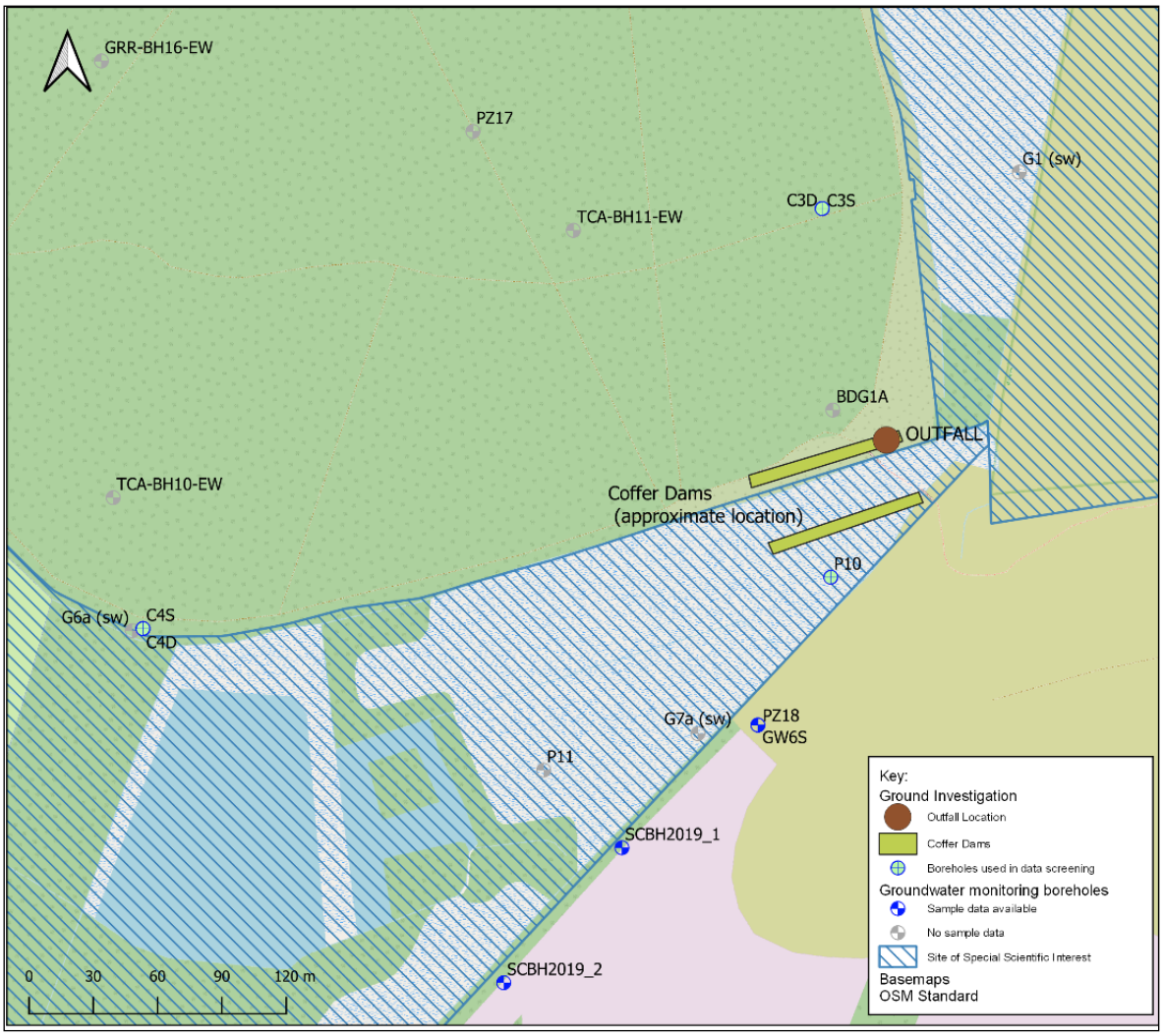

Figure 3-1 Layout plan of coffer dams and monitoring boreholes

Table 3-1 - Summary of borehole information

Well ID	Screened Stratum	Level	Easting	Northing	Response Zone (AOD)	Samples Recovered
C3S	Superficial Deposits	2.77	647319	264638	0.77 to -4.23	4
C4S		1.42	647001	264442	-0.58 to -4.58	4
C3D	Crag	2.77	647320	264639	-8.63 to -18.43	4
C4D		1.42	647001	264442	-11.98 to -22.08	3
P10	Peat	0.54	647323	264466	0.04 to -1.02	1

The boreholes have been monitored on up to four occasions between 2020-2022 and the results have been compared against the relevant freshwater Environment Quality Standards (EQS) to assess potential impact to sensitive receptors. This initial screening compares the relevant water standard with each of the sample results and highlights any exceedances. Relevant EQS values are the lowest freshwater EQS value presented in Water Framework Directive (Standards and

Classification) Directions (Secretary of State, 2015), or operational EQS values included within Environment Agency guidance (Environment Agency, 2022). The lowest EQS is generally the Annual Average EQS (AA-EQS), except where contaminants have a Maximum Allowable Concentration EQS (MAC-EQS) but no AA-EQS. A screening value for nitrite, which does not have an EQS in either (Secretary of State, 2015) or (Environment Agency, 2022), is derived from non statutory guideline value for Salmonid waters presented in the Surface Waters (Fishlife) Directions 2010. For total petroleum hydrocarbon tests, which have no EQS values, a conservative initial screening value is adopted based on the AA-EQS for benzene.

Prior to screening, surface water data for the Leiston Drain has been processed through the Environment Agency WFD Metal Bioavailability Assessment tool (M-BAT) (Water Framework Directive - United Kingdom Technical Advisory Group (WFD-UKTAG), 2014) to derive Predicted No Effect Concentrations (PNEC) for copper, lead, nickel, manganese and zinc. The average values from the baseline surface water dataset (included in Appendix E) were used for pH and calcium with a median value adopted for dissolved organic carbon was used to give an assessment of the annual average bioavailable EQS to be used in the screening exercise, in line with the guidance (Water Framework Directive – United Kingdom Technical Advisory Group , 2014). the M-BAT assessment and PNECs are presented in Appendix B. The EQS value for cadmium has been adjusted based on average surface water hardness as per Water Framework Directive (Standards and Classification) Directions (Secretary of State, 2015).

A summary of exceedances is presented in Table 3-2. The screening sheets have been included within Appendix C. The laboratory results are included as Appendix D.

The screening results show elevated concentrations when compared to the screening criteria of inorganics and metals. The elevated concentrations of observed determinands within the three boreholes, especially chloride, ammonium and sodium are likely to be influenced by saline intrusion and may also be affected by the underlying geology, adjacent marshes and farming activities. While exceedances of EQS were identified, all determinands were within one order of magnitude of the screening criteria, except for manganese and nitrite.

Based on the above results, the risk to sensitive receptors is considered to be low from the dewatering discharge. However as specific substances and pollutants are present a surface water pollution screening assessment is required, and this has been completed as detailed section 5. Additionally it is recommended to undertake quality analysis for the water dewatered to validate the risk level prior to discharge.

Table 3-2 - Summary of exceedances (2020-2022)

Constituent	Unit	LOD	EQS* (mg/l)	No. of Samples	Min. Value	Max. Value	No. of Exceedances	Locations of Exceedances
Chloride	mg/l	1.0	250	16	26	2100	6	C3S, 44145; C3s, 44329; C4D, 44334; C3S, 44516; C4D, 44516; P10, 44735
Ammonium	mg/l	0.050	0.26	16	<0.05	1.3	6	C3s, 44329; C4D, 44516; C3S, 44735; P10, 44735; C4S, 44740; C4D, 44740
Ammoniacal Nitrogen	mg/l	0.050	0.6	16	<0.05	1.4	2	C4S, 44740; C4D, 44740
Nitrite	mg/l	0.020	0.01	16	<0.02	0.34	6	C3S, 44145; C3S, 44735; C3D, 44735; P10, 44735; C4S, 44740; C4D, 44740
Phosphorus (Dissolved)	mg/l	0.020	0.008	16	<0.02	0.11	10	C3S, 44145; C3D, 44145; C4S, 44146; C3s, 44329; C3d, 44329; C4S, 44334; C4D, 44334; C3D, 44516; C4S, 44516; C3D, 44735
Cadmium (Dissolved)	mg/l	$8x10^{-5}$	0.00025	16	<0.00008	0.00084	6	C3s, 44329; C3S, 44735; C3D, 44735; P10, 44735; C4S, 44740; C4D, 44740
Iron (Dissolved)	mg/l	0.02	1	16	<0.005	1.3	1	C4D, 44516
Manganese (Dissolved)	mg/l	0.001	0.21	16	<0.001	14	4	C3s, 44329; C3S, 44516; C3S, 44735; P10, 44735
Nickel (Dissolved)	mg/l	0.001	0.017	16	<0.0005	0.031	3	C3s, 44329; C4S, 44334; C4D, 44334
Low-Level Chromium	mg/l	0.0001	0.0034	11	<0.0001	0.0053	2	C3s, 44329; C4S, 44334

(Hexavalent) (Dissolved)								
Chromium (Trivalent) (Dissolved)	mg/l	0.001	0.0047	12	<0.001	0.068	6	C3d, 44329; C4S, 44334; C4D, 44334; C3S, 44735; C4S, 44740; C4D, 44740

*Where determinants have both an AA EQD and MAC EQS the more conservative value has been adopted for the purposes of the screening exercise

4. Dewatering Volume Assessment

4.1. Modelling Approach

AtkinsRéalis was asked to estimate likely water ingress from the footprint and sidewalls of a sheet piled cofferdam which will be installed to facilitate the construction of bridge pile caps associated with north and south wing walls for SSSI crossing bridge.

The groundwater flow modelling package SEEP/W (Seequent, 2022) was used to simulate groundwater flow into the pile cap excavation via leakage through and flow under the coffer dam walls.

The pile caps are situated within the north and south wing walls. The north wing wall was modelled as here Crag is more prevalent meaning maximum dewatering volumes will be calculated.

4.2. Conceptual Overview and Input Parameters

A hydrogeological conceptual site model (CSM) has been developed for the site of the excavation required for installation of the north wing wall and surrounding area. This model has been developed to help inform the methodology for the prediction of dewatering volumes, including determination of appropriate hydrogeological parameters and boundary conditions. The information used to inform the CSM has been derived from the dewatering requirements presented in section and the environmental setting presented in section

The CSM is displayed in Figure 4-1and the preliminary input parameters are detailed in Table 4-1.

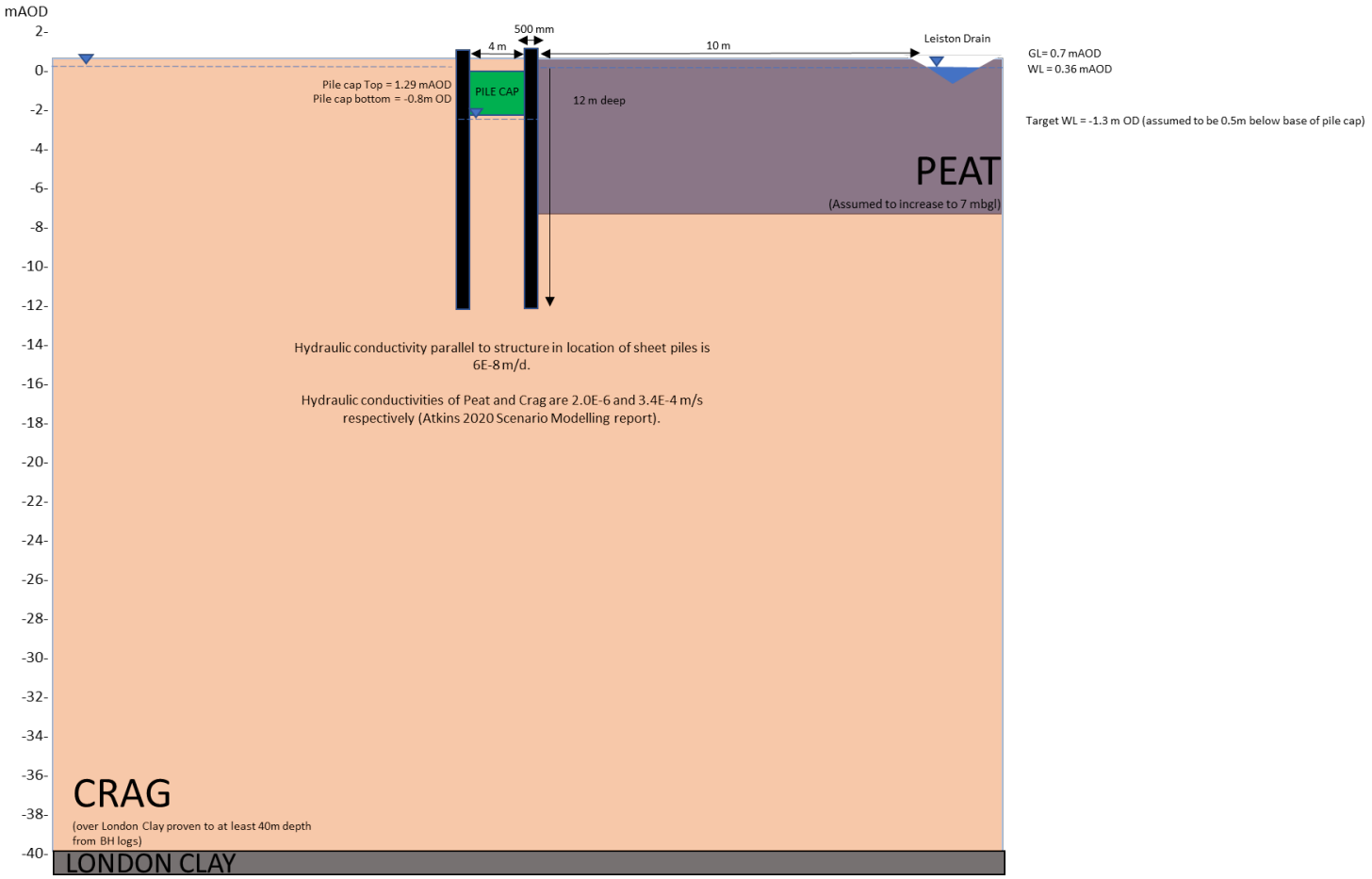

Figure 4-1 - Conceptual site model of north wing wall

Table 4-1 - Input parameters

Parameter	Value	Reference
Cofferdam information		
Length	70 m	AtkinsRéalis design team
Width	4 m	AtkinsRéalis design team
Pile information		
Sheet pile thickness	500 mm Note this is the width of each sheet pile.	AtkinsRéalis design team
Distance between sheet piles	4 m	(Atkins, 2022)
Sheet pile depth	12 m	(Atkins, 2022)
Elevation of pile cap top	1.29 m AOD	(Atkins, 2022)
Elevation of pile cap bottom	2 m from top of pile cap	AtkinsRéalis design team
Ground and groundwater levels		
Ground level	0.7 m AOD	(Atkins, 2022)
Groundwater level	0.36 m AOD	(Atkins, 2022)
Target water level after dewatering	0.5 m from base of pile cap (-1.3 m AOD)	AtkinsRéalis design team
Unit thickness		
Peat depth and thickness	7 m bgl	(Atkins, 2020b) (EDF NNB GenCo., 2014)
Crag depth and thickness	At least 40 m bgl	(Atkins, 2020b) (EDF NNB GenCo., 2014)
Hydraulic Conductivity		
Peat	$2.0x10^{-6}$ m/s	(Atkins, 2020b)
Crag	$3.54x10^{-4}$ m/s	(Atkins, 2020b)
Sheet piles	$3.5x10^{-11}$ m/s	(Arcelor Mittal, 2015) The hydraulic conductivity of sheet piles has been scaled up to $3.5x10^{-11}$ m/s considering its width (500 mm) and metal thickness (10 mm).
Volumetric Water Content (maximum)		
Peat	0.25	(Atkins, 2020b)
Crag	0.1	(Atkins, 2020b)
Sheet piles	$1x10^{-04}$	(Atkins, 2020b)

4.3. Model Set Up

The two-dimensional model domain used for the assessment undertaken in Seep/W (Seequent, 2022) was conceptualised as a cross section orientated on an approximate north-west to south-east orientation. The vertical model domain extends to a maximum of 0.7 m AOD where the ground level has been assumed and extends down to -40 m AOD. The model has been extended laterally 10 m either side of the proposed sheet piles and is bound by the Leiston Drain in the east. The drain is represented as a constant head boundary condition. It is assumed that during dewatering the water level within the drain will remain constant. The groundwater model (Atkins, 2020b) suggests that head within the Crag remains mostly consistent with depth therefore it is considered that the constant head boundary is appropriate. Based on the provided information it is assumed that a local excavation will extend to -2.5 m AOD and will be 4 m wide. An element thickness of 70 m was set within the model to represent the length of the cofferdam. The extent of the model can be seen in Figure 4-2.

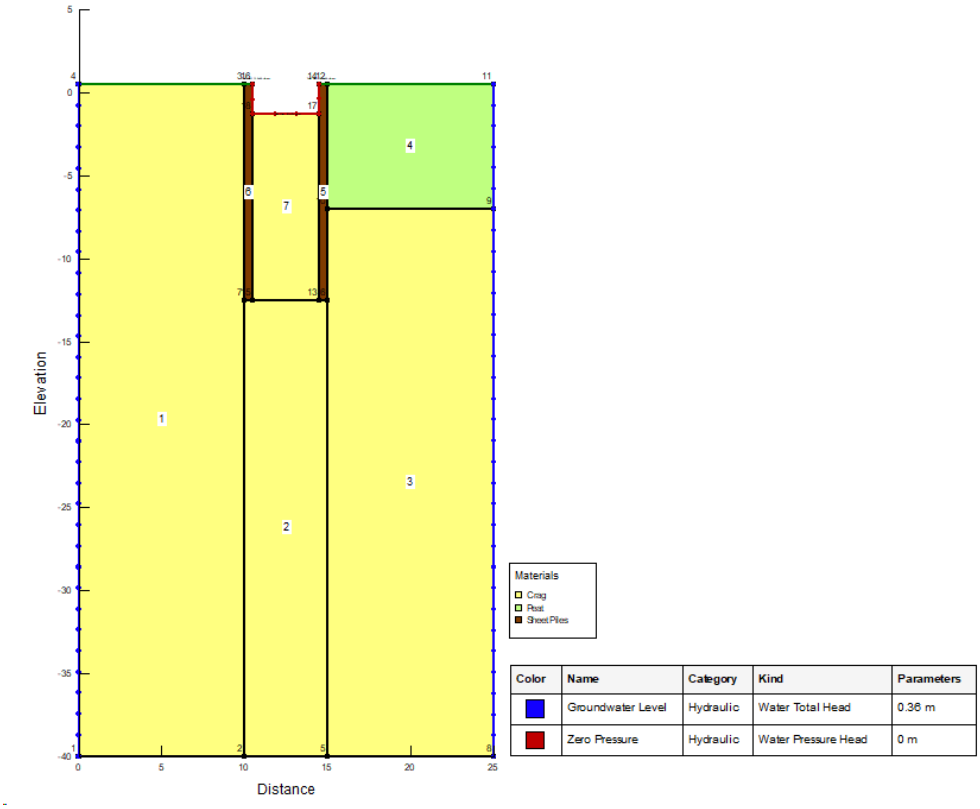

Figure 4-2 - Seepage model of north wing wall

A constant head boundary of 0.36 m AOD was set to the lateral extents of the model, this was based on the level within Leiston Drain. The lateral boundary was set 10 m in either direction of the sheet piles – this is the distance depicted between the pile and the middle of the drain in the drawings package. No infiltration in the ground through precipitation has been considered in this model and no boundary condition was applied to ground level in this model.

The excavation was modelled with a zero-pressure boundary on the base and internal side walls of the excavation and specified as a potential seepage face. To determine calculated inflow into an excavation, calculated water rate across each node of the seepage face was summed to obtain a water flow rate for the whole excavation area.

4.4. Model Results

A steady state model was run using Seep/W to give an idea of potential flow rates into the excavation through the bottom in the peat and through the excavation walls through the sheet piles.

The model indicates that the majority of the groundwater will flow into the Cofferdam from underneath the base of the pile walls at a level of approximately 12 m AOD from the Crag Formation. Early dewatering will also take more limited amounts of groundwater from the shallower aquifer associated with the Crag and Superficial Deposits.

Figure 4-3 shows the resulting flow vectors through each material and Figure 4-4 shows the individual flow out of each node into the excavation.

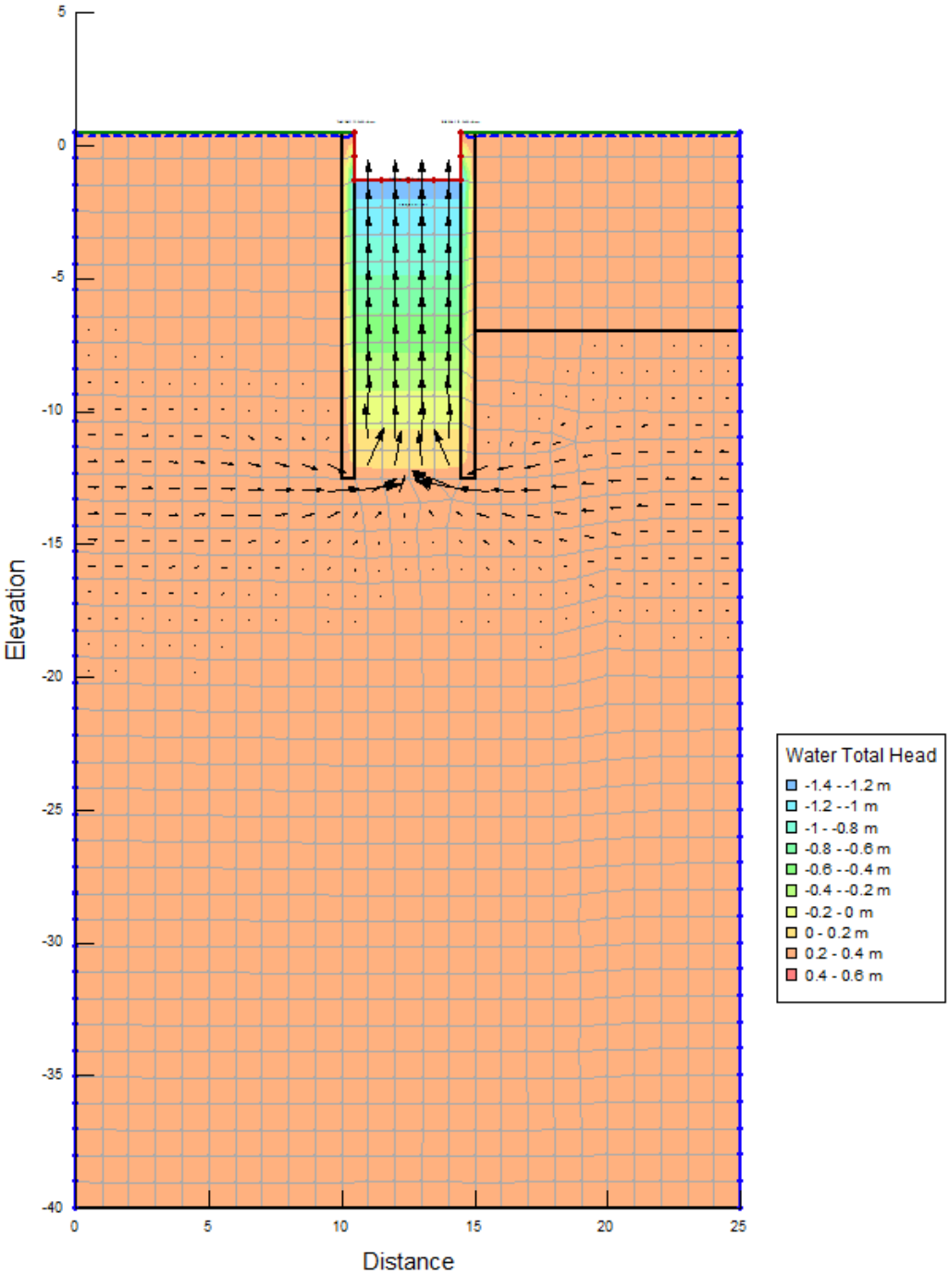

Figure 4-3 - Model results: flow vectors and water head

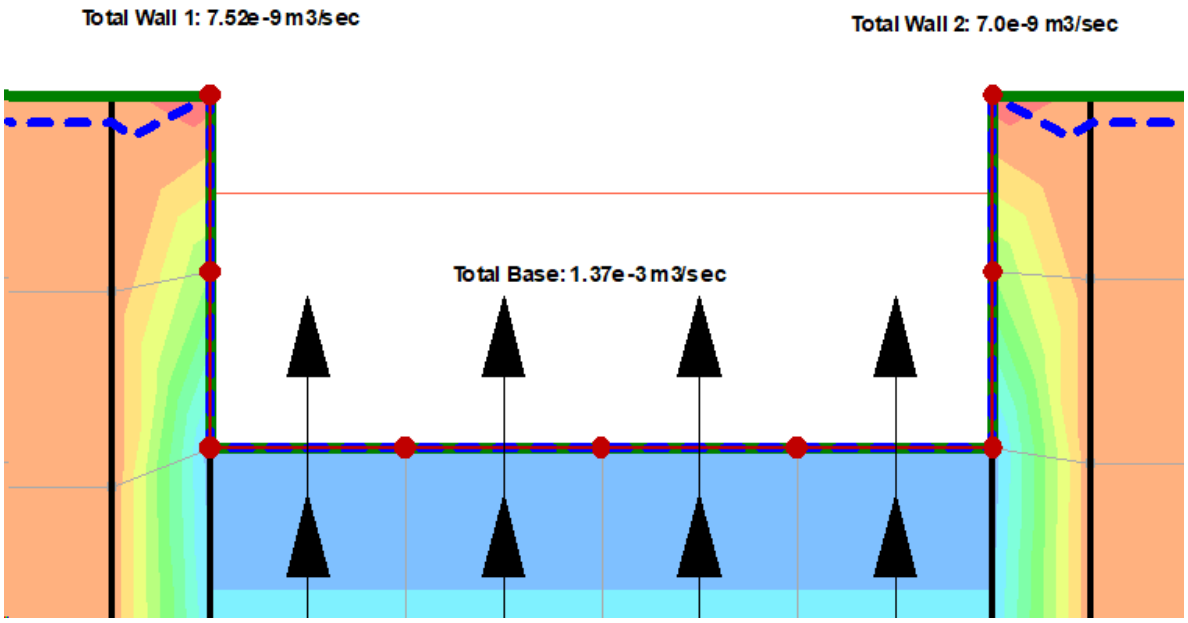

Figure 4-4 - Flow into the excavation

A steady flow rate of $1.37x10^{-03}$ m^3/s was calculated through the base of the excavation and a rate of $14.52x10^{-09}$ m^3/s through the walls of sheet piles. This totals an amount of $1.37x10^{-03}$ m^3/s flow rate into the excavation through the base and walls overall.

The drawdowns were observed to be less than one millimetre (mm) on both sides of the excavation. However, these observed drawdowns will be limited by the size of model domain, particularly distance to northern boundary where fixed head boundary condition was applied. As such, a sensitivity was undertaken by increasing this distance in Section 4.5.

4.5. Sensitivity Analysis on size of model domain

The SEEP/W model was amended and the fixed head boundary condition applied on the north side of the excavation was moved away from the excavation edge by 160 m, which is an approximate radius of influence calculated based on CIRIA guidance C750 (Preene, Roberts, & Powrie, 2016) for this required drawdown of dewatering (without sheet pile wall). The boundary condition on the south side of the excavation representing the Leiston Drain remained at 10 m from the excavation edge. Both north and south boundary conditions were set to 0.36 m representing the groundwater level. The rest of the model input parameters remained the same. This model also assumed that surface water level will remain constant and will not change during the dewatering. The model set up is presented in Figure 4-5.

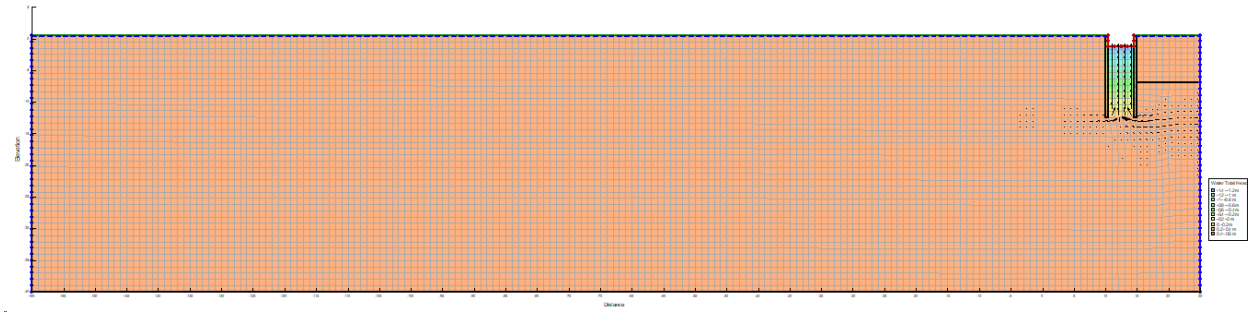

Figure 4-5 - Model set up for amended model domain

The result of this exercise indicates that a total flow rate of $1.35x10^{-03}$ m^3/s through the excavation base and walls has been calculated using the SEEP/W model when the boundary condition on the northern site of the excavation is moved to a distance of 160 m from the excavation edge. The flow rate into the excavation is very similar to the original model scenario rate which was calculated to be $1.37x10^{-03}$ m^3/s.

A drawdown of 38 mm was calculated north of the excavation and less than 1 mm south of the excavation. This is an increase of over 37 mm in the north of the excavation compared to the original model.

4.6. Sensitivity Analysis on hydraulic conductivity of Crag

The hydraulic conductivity of the Crag in the model was taken from the groundwater model used for the SZC DCO Submission (Atkins, 2020b). A model scenario was run with a high hydraulic conductivity of $7.08x10^{-04}$ m/s (60 m/d) which is double the hydraulic conductivity applied in the original model.

This resulted in increased flows through the base of the excavation and a doubling in flow overall (base and walls) to $2.74x10^{-03}$ m^3/s compared to the original scenario. A drawdown of <1 mm was observed either side of the excavation.

4.7. Sensitivity Analysis on groundwater level

The baseline groundwater level for the model was set to 0.36 m AOD, based on an average water level in the vicinity of the SSSI Bridge Crossing site area. The model's sensitivity to the baseline groundwater level was testing by increasing the water level to 1.5 m AOD as indicated by observed and modelled groundwater level data.

The results are presented in below in Figure 10. The groundwater level is above the modelled ground level suggesting there will be periods of flooding in the SSSI crossing area. An increase in groundwater level resulted in an increase in flow through both the base and sides of the excavation to $2.31x10^{-03}$ m^3/s, a 69% increase in flows overall from the baseline scenario.

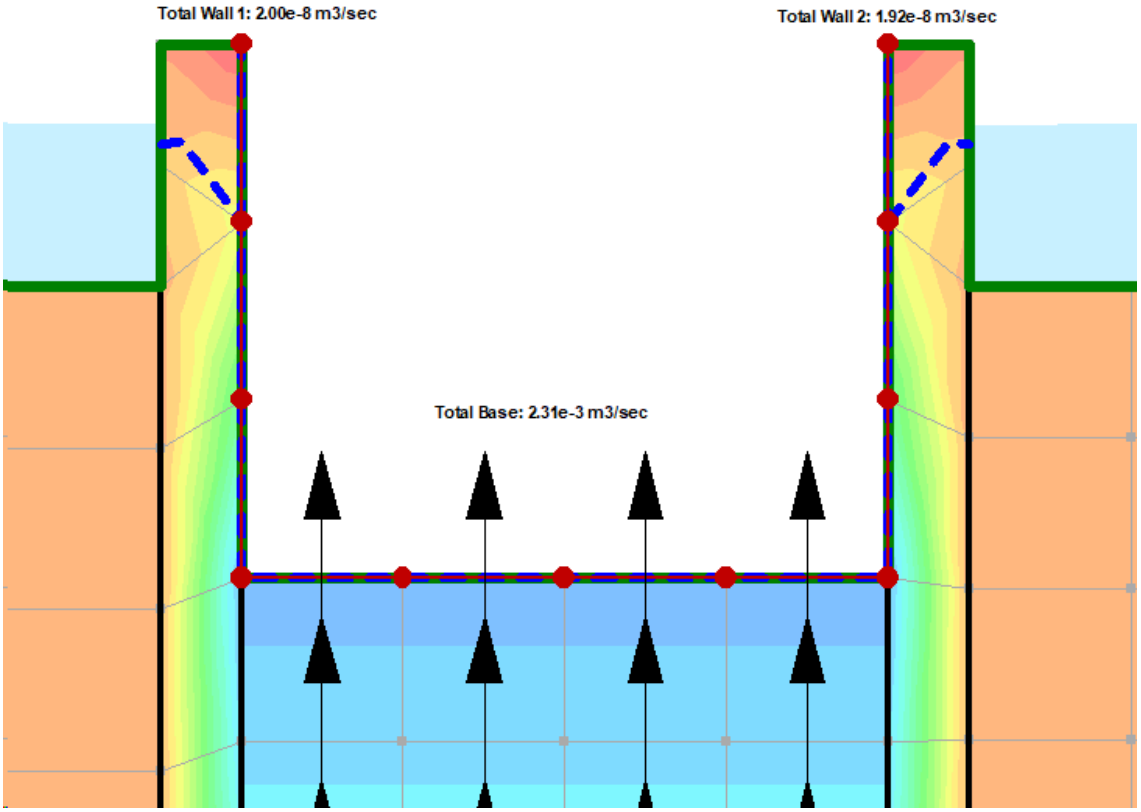

Figure 4-6 - Flow into excavation and drawdown with increased baseline groundwater level

4.8. Summary

A summary of SEEP/W model results is presented in Table 4-2. It can be seen that a flow rate of $1.37x10^{-03}$ m^3/s through the excavation base and walls has been calculated for the baseline model. Sensitivity analysis indicates that the flow rate can be increased up to $2.74x10^{-03}$ m^3/s and the drawdown can be up to 4 cm in north side of the excavation for north walls.

The dewatering assessment undertaken has been based on the construction of excavated structures and has assumed worst case conditions to ensure conservatism within the modelling. There is a possibility that minor amendments to the design may occur in the future at which point the dewatering assessment undertaken may need to be revised though such amendments are considered unlikely to be significant. Further detailed modelling, for example using three-dimensional modelling approaches would allow for further optimisation of any proposed dewatering approach as well as consideration of mitigation measures.

The total volume of water to be pumped out is directly related to the duration that the excavation is open. The duration of excavation has been estimated as 1 day per metre length of pile cap construction. Assuming that the pile cap will be cast in 3 m lengths at a time, the total volume of water to be pumped out per day will be:

1 day = 86400 s.

$2.74x10^{-3}$ m^3/s x 86400 s = 237 m^3/day.

Assuming both abutments are progressed simultaneously, the worst credible total volume of discharge per day = 237 m^3/day x 2No. abutments = 473 m^3/day. This assumes that the dewatering of one abutment has no impact on inflow rates to the other abutment, which is considered a reasonable, conservative assumption given that the model output indicates negligible drawdown ou0tside of the coffer dams.

There are risks that the construction method chosen later in the design phase, will be different than that assumed above. At this stage a risk factor of 1.1 is considered appropriate and should be added to the daily volume value to accommodate minor changes to construction methodology.

For the purposes of applying for a dewatering permit. The proposal is that a daily volume of 521 m^3 (approximately 473 m^3 x 1.1) would be a conservative value to request. The mean flow rate is 521 m^3/day / 86400 s/day = 0.00603 m^3/s. A worst case maximum flow rate would be 100 Litres per second (0.1 m^3/s), which would allow for clearance pumping to be carried out intermittently.

Table 4-2 - Summary of sensitivity analysis results

Scenario		Flow (m^3/sec)				Drawdown (m)	
		Northern side	Southern side	Base	Total	Northern side	Southern side
1	Baseline	7.52 x 10^{-09}	1.30 x 10^{-08}	1.37 x 10^{-03}	1.37 x 10^{-03}	<0.001	<0.001
2	Distance to northern boundary of model – increased to 160 m from sheet piles of dewatering cofferdam	7.16 x 10^{-09}	7.00 x 10^{-09}	1.35 x 10^{-03}	1.35 x 10^{-03}	0.04	<0.001
3	Crag hydraulic conductivity - increased to 6.94x10^{-04} m/s (60 m/d)	7.52 x 10^{-09}	7.00 x 10^{-09}	2.74 x 10^{-03}	2.74 x 10^{-03}	<0.001	<0.001
4	Specified head boundary condition - increased to 1.5 m AOD	2.00 x 10^{-08}	1.92 x 10^{-08}	2.31 x 10^{-03}	2.31 x 10^{-03}	<0.001	<0.001

5. Surface Water Pollution (H1) Risk Assessment

5.1. Approach

Screening tests have been undertaken in accordance with the latest GOV.UK guidance for surface water pollution risk assessments (Environment Agency, 2022) as it is being proposed to discharge groundwater from the SSSI crossing to surface water, the Leiston Drain. Specifically, the screening assessment has been carried out to:

- Assess the feasibility of discharging dewatered groundwater into the Leiston Drain;
- Assess the need for treatment of the groundwater prior to discharge due to the presence of specific substances including chromium (III) and (VI), iron, cadmium, copper, nickel and lead;
- Identify whether further modelling is required to be undertaken in accordance with the GOV.UK requirements for completing a surface water pollution risk assessment (as the planned discharge is being made to freshwater).

The assessment will be carried out in accordance with Environment Agency (EA) guidance Surface water pollution risk assessment for your environmental permit (Environment Agency, 2022) and more detailed supporting EA internal guidance, “Permitting of hazardous chemicals and elements in discharged to surface waters” (H1 Risk Assessment) (Environment Agency, December 2019).

The steps detailed in the guidance consist of:

- Phase 1: Screening, which follows three stages to screen out substances to identify if there are any pollutants at concentrations that could cause pollution; and
- Phase 2 Modelling, which is a more detailed assessment of those substances that may be significant. The Environment Agency will normally carry out this modelling for discharges to freshwater.

This report details the screening tests undertaken to ascertain whether more detailed modelling is required.

5.2. Flow data for the receiving watercourse

The Leiston Drain is classified as a Main River and a Water Framework Directive (WFD) designated waterbody (GB105035046271 - Leiston Beck) (Environment Agency, 2021). Furthermore it is located within Sizewell Marshes SSSI, upstream of the proposed crossing and in Minsmere-Walberswick Heaths and Marshes SSSI downstream of the crossing.

The surface water screening assessment requires Q95 (low flow) flow rate data for the receiving watercourse. If the screening assessment indicates a potentially significant impact in surface water quality, a surface water modelling assessment will be required. The modelling requires flow rate summary statistics such as mean and standard deviation or percentiles.

The EA has supplied a Q95 value to use in the assessment of 0.0258 m^3/s. Correspondence related to this is included in Appendix A.1.

5.3. Surface Water Screening

5.3.1. Methodology

The groundwater quality data presented in section 3.4 and included in Appendix C was used to represent the quality of the discharge in the screening assessment. This includes a total of 16 groundwater samples analysed for a range of inorganic and organic determinands.

Upstream background surface water quality data is taken from samples collected from upstream monitoring points G3, G4, G5, G6A and G7A between 2020 and 2022. The data are reported in (Atkins, September 2023) and are included in Appendix E.

All substances that have been measured above the laboratory limit of detection (LOD) in groundwater were run through screening. In addition, substances that were not detected in groundwater above the LOD, but where the LOD is greater than 10% of the EQS, were also included in the screening assessment. The likelihood of these substances being present in the discharge is discussed on completion of screening, and those substances not considered to be present in groundwater will be discounted.

Prior to screening, surface water data for the Leiston Drain has been processed through the Environment Agency WFD Metal Bioavailability Assessment tool (M-BAT) (Water Framework Directive - United Kingdom Technical Advisory Group (WFD-UKTAG), 2014) to derive Predicted No Effect Concentrations (PNEC) for copper, lead, nickel, manganese and zinc. The average values from the baseline surface water dataset (included in Appendix E) were used for pH and calcium with a median value adopted for dissolved organic carbon was used to give an assessment of the annual average bioavailable EQS to be used in the screening exercise, in line with the guidance (Water Framework Directive – United Kingdom Technical Advisory Group , 2014). the M-BAT assessment and PNECs are presented in Appendix B. The EQS value for cadmium has been adjusted based on average surface water hardness as per Water Framework Directive (Standards and Classification) Directions (Secretary of State, 2015).

The surface water screening assessment was undertaken using the methodology for phase 1: screening for freshwaters given in EA guidance (Environment Agency, December 2019). Part A of the screening comprises four tests to screen out substances that are not liable to cause pollution to the discharged surface water body. Any substance that fails a test is not screened out and is therefore considered liable to cause pollution.

A summary of the four Phase 1 Part A tests is provided below:

- Test 1 assesses if the concentration of a substance in discharge exceeds 10% of the EQS for the respective substance.
- Test 2 assesses whether the Process Contribution (PC) exceeds 4% of the respective EQS. PC is the concentration of a discharged substance in the receiving water after dilution.
- Test 3 calculates the Predicted Environmental Concentration (PEC), which is the combination of PC and the mean upstream background concentration (BC). The difference between BC and the PEC is screened against 10% of the respective EQS.
- Test 4 screens the PEC for each substance against EQS Annual Average (AA) and EQS Maximum Allowable Concentration (MAC), where available.

Any substance that fails Test 3 or Test 4 is considered liable to potentially cause pollution when discharged into the receiving surface water body. EQS values used in the screening tests are the freshwater EQSs presented in the GOV.UK specific substances surface water pollution risk assessment guidance (Environment Agency, 2022).

Following Part A, Part B of the Phase 1 screening comprises the significant load test, which applies to any Priority Hazardous Substances in the discharge.

5.3.2. Results

The data input to the screening and the full screening assessment for all substances is presented in Appendix F.

Out of the 208 analysed substances, 157 do not have an EQS value, a further 22 substances were screened out at pre-screening stage where they were not detected and the LOD was sufficiently low. AtkinsRéalis notes that nitrite and phosphorous are not included in the H1 guidance as substances with EQS values that require screening, however these have been included in the assessment utilising a non-statutory criteria for nitrite and a Water Framework Directive derived criteria for phosphorous (developed in baseline report).

Nine substances were screened out at tests 1 and 2 so a total of 20 substances (which failed tests 1 and 2) were taken forward to tests 3 and 4. Of those substances, four substances passed Tests 3 and 4 and are not liable to cause pollution.

Seven of the remaining substances which failed one of Test 3 or 4 have not been detected above LOD in any of the groundwater samples. They were included in the screening tests because the LOD is greater than the EQS. This group includes free cyanide, hexavalent chromium and five organic compounds. These substances are not considered likely to be present in baseline groundwater and are therefore not considered further.

Nine remaining substances were determined as potentially liable to cause pollution in the receiving surface water body, as they are both measured in the discharge and fail one of tests 3 or 4. A summary of the substances and result of tests 3 and 4 is shown in Table 5-1. The results of the screening are discussed in further detail in Section 5.3.3.

Part B of the phase 1 screening for freshwaters comprises the significant load test, which applies to any Priority Hazardous Substances in the discharge. Substances in groundwater to which a significant load limit applies comprise cadmium, anthracene, hexachlorobenzene, hexachlorobutadiene, mercury, benzo[a]pyrene and the sum of benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, indeno(1,2,3cd)pyrene. None of the substances included in the screening were recorded as significant on the basis of the Part B significant load test.

Table 5-1 – Substances which fail screening tests 3 or 4, and are therefore liable to cause pollution.

							Test 3			Test 4	
Constituents All units mg/l	Limit of Detection (LOD)	Freshwater EQS (Annual Average)	Freshwater EQS (Maximum Allowable Concentration)	detections above LOD in groundwater discharge	RC: Mean discharge release concentration (values below LOD treated as LOD)	BC: Mean Upstream Concentration (values below LOD treated as LOD) mg/l	Predicted Environmental Concentration (AA-PEC) (mg/l)	AA Test 3 failed?	MAC Test 3 failed?	AA test 4 failed? (AA PEC above AA EQS)	MAC test 4 failed? (MAC-PEC
Cadmium (Dissolved)	0.00008	0.00025	0.0015	7	0.00028	0.00011	0.00014	Yes	No	No	No
Chloride	1	250	N/A	16	351	108.14	154	Yes	N/A	No	N/A
Manganese (Dissolved)	0.001	0.211*	N/A	15	1.18	0.18	0.37	Yes	N/A	Yes	N/A
Nickel (Dissolved)	0.001	0.017*	0.034	12	0.0074	0.0025	0.0035	No	Yes	No	No
Dissolved Chromium (Trivalent)	0.001	0.0047	0.032	9	0.013	0.015	0.014	No	Yes	Yes	Yes
Ammoniacal Nitrogen	0.05	0.47	N/A	12	0.2829	2.95	2.45	No	N/A	Yes	N/A
Nitrite	0.02*	0.01	N/A	6	0.0696	0.32	0.28	No	N/A	Yes	N/A
Phosphorus (Dissolved)	0.02*	0.008	N/A	10	0.0533	0.1	0.1	No	N/A	Yes	N/A
Ammonium	0.05	0.6	N/A	14	0.2748	3.29	2.72	No	N/A	Yes	N/A

Notes: RC is lower than BC for both average and maximum values, showing that the discharge is not expected to impact surface water quality for these substances.
* PNECs developed for substances with a bioavailable EQS.

5.3.3. Discussion

As shown in Table 5-1, a total of four substances – ammonium, ammoniacal nitrogen, nitrite and phosphorus - failed the screening tests due to a high mean concentration identified in upstream water samples, with the background concentration (BC) exceeding the EQS. For all four of these the release concentration (RC) is lower than the BC showing that the discharge is not expected to impact surface water quality for these substances.

The concentrations of cadmium, nickel, chloride, manganese and trivalent chromium in the discharge is considered to be liable to cause pollution in the Leiston Drain. These substances are elevated in the discharge compared to background upstream surface water quality and failed test 3 of the Part A screening tests (trivalent chromium fails only on the MAC test 3, not the AA). Manganese and trivalent chromium are the only of these which additionally fail test 4, although in the case of trivalent chromium the average background concentration is above the EQS and the average release concentration is lower than the BC.

The mean groundwater concentration of manganese was elevated due to a peak concentration of 14 mg/l identified on one occasion only. This potential outlier was removed from the data set and an additional screening exercise was undertaken, however, the tests indicated manganese was still liable to cause pollution.

All five substances are expected to occur naturally in groundwater, and the potential impact in the Leiston Drain is considered mild for the following reasons:

- chloride is considered to be elevated in groundwater due to the effects of saline intrusion, and is already elevated in surface waters further downstream of the discharge: samples from downstream monitoring location G8, which is on the Leiston Drain approximately 1 km north of the SSSI crossing at grid reference 647603, 265627, indicate chloride concentrations between 200 and 350 mg/l (Atkins, September 2023);
- measured cadmium, manganese, nickel and trivalent chromium concentrations in groundwater are considered the same as the natural background levels in the Crag aquifer, based on published values (Ander, Shand, & Wood, 2006). Manganese is considered likely to oxidise and precipitate fairly quickly after mixing with oxygenated surface waters.

It is recommended Phase 2 modelling is undertaken, in accordance with the guidance (Environment Agency, December 2019) to assess the pollution risk to the Leiston Drain associated with cadmium, nickel, chloride, manganese and trivalent chromium in the dewatered groundwater. This will be used to inform whether treatment of the discharge is necessary and if so, the acceptable limit to treat to.

6. Summary and Conclusion

6.1. Dewatering volume

The groundwater flow modelling package SEEP/W (Seequent, 2022) was used to simulate groundwater flow into the pile cap excavations within sheet piled cofferdams which will be installed to facilitate the construction of bridge pile caps associated with north and south wing walls for SSSI crossing bridge.

The model outputs indicate negligible drawdown of groundwater levels in the Crag and Peat aquifers immediately outside the coffer dam, when water levels are drawn down to the required level of -1.3 m OD.

The model outputs indicate a worst credible total groundwater inflow volume to the excavation of 237 m^3/day.

The model indicates that the majority of the groundwater will flow into the Cofferdam comes from underneath the base of the pile walls at a level of approximately 12 m AOD from the Crag Formation. Early dewatering will also take more limited amounts of groundwater from the shallower aquifer associated with the Crag and Superficial Deposits.

There are risks that the construction method chosen later in the design phase, will be different than that assumed above. At this stage a risk factor of 1.1 is considered appropriate and should be added to the daily volume value to accommodate minor changes to construction methodology.

For the purposes of applying for a dewatering permit. The proposal is that a daily volume of 521 m^3 is used. This allows for dewatering of both north and south wing walls at the same time and adds factor of safety of 1.1 to accommodate minor changes to construction methodology.

The discharge mean flow rate is 521 m^3/day / 86400 s/day = 0.00603 m^3/s. A worst case maximum flow rate would be 100 Litres per second (0.1 m^3/s), which would allow for clearance pumping to be carried out intermittently.

6.2. H1 Assessment

Surface water pollution risk assessment screening tests have been carried out to assess the impact of discharging the dewatered groundwater to the Leiston Drain.

The Phase 1 screening tests indicated that the concentration of cadmium, nickel, chloride, manganese and trivalent chromium in discharge is liable to cause pollution in the Leiston Drain. All five substances are expected to occur naturally in groundwater and surface water, and the potential impact in the Leiston Drain is considered mild. Manganese is considered likely to oxidise and precipitate fairly quickly after mixing with oxygenated surface waters.

Part B of the Phase 1 screening for freshwaters comprises a significant load test which applies to any Priority Hazardous Substances in the discharge. The assessment indicated no priority substance tested for in the discharge constitutes a significant load.

It is recommended Phase 2 modelling is undertaken, in accordance with the guidance (Environment Agency, December 2019) to assess the pollution risk to the Leiston Drain associated with cadmium, nickel, chloride, manganese and trivalent chromium in dewatered groundwater. This will be used to inform whether treatment of the discharge is necessary and if so, the acceptable limit to treat to.

It is recommended to undertake quality analysis for the water dewatered to validate the risk level prior to discharge. The completed Phase 2 modelling will inform the magnitude of the risk of pollution, and may be used to inform the basis of parameters and frequency for monitoring.

7. References

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Appendix A. Supporting Information

A.1. Regulatory Correspondence

Wilkins, Timothy

From: Enquiries_EastAnglia <Enquiries_EastAnglia@environment-agency.gov.uk>
Sent: 24 October 2023 10:56
To: Wilkins, Timothy
Subject: Q95 flow data for the Leiston Beck River near Sizewell in Suffolk - Our ref: EAn/2023/329322

Dear Tim

Thank you for your enquiry of 26 September 2023.

We respond to requests under the Freedom of Information Act 2000 and Environmental Information Regulations 2004.

Please use 0.0258 m³/s as Q95 for Leiston Beck River near Sizewell in Suffolk, at the Grid Reference 647311, 264509.

Please refer to the Open Government Licence available here http://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/ which explains the permitted use of this information.

Please get in touch if you have any further queries or contact us within two months if you would like us to review the information we have sent.

Regards
Teresa

Teresa Chapman
Customers & Engagement Officer, Customers & Engagement Team,
Environment Agency East Anglia Area

Email: enquiries_eastanglia@environment-agency.gov.uk
Internal: 55472
External: 02030 255472

If you use the Defra **Data Sharing Platform** (DPS) you can use this link to find out about new and updated datasets and much more. Not using DPS yet? **Register for an account** here and you will receive email notifications direct.

Appendix B. Borehole logs

ATKINS
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Borehole Log

Borehole No.
BH C3S
Sheet 1 of 1

Project Name:	Sizewell C Enabling Works	Project No. 5190666	Co-ords:	647319E - 264638N	Hole Type CP
Location:	Sizewell		Level:	2.80	Scale 1:50
Client:	NNB GenCo		Dates:		Logged By JG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.05	2.75		Dark brown loamic TOPSOIL with leaf litter and tree roots. Topsoil
					0.50	2.30		Loose mid brown / coffee brown fine and medium SAND with tree roots. SD_ALV_S
	▼							Loose orange and light brown slightly silty fine and medium SAND with rarefine tree roots to 0.60m and rare subangular to subrounded medium andcoarse flint, chert and quartz to 3.00m. 1.70-2.30 m Clayey bands. 3.20 m 10cmband of soft dark red / brown, light grey and orange mottled sandyclay. 4.20 m 5cm band of soft dark orange, brown and light grey laminated verysandy clay. SD_ALV_S
					7.00	-4.20		End of Borehole at 7.00m

1 2 3 4 5 6 7 8 9 10

Remarks

AGS

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Borehole Log

Borehole No.
BH C3D
Sheet 1 of 3

Project Name:	Sizewell C Enabling Works	Project No. 5190666	Co-ords:	647320E - 264639N	Hole Type CP
Location:	Sizewell		Level:	2.77	Scale 1:50
Client:	NNB GenCo		Dates:		Logged By JG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
	▼				0.05	2.72		Dark brown loamic TOPSOIL with leaf litter and tree roots. Topsoil
					0.50	2.27		Loose mid brown / coffee brown fine and medium SAND with tree roots. SD_ALV_S
								Loose orange and light brown slightly silty fine and medium SAND with rarefine tree roots to 0.60m and rare subangular to subrounded medium andcoarse flint, chert and quartz to 3.00m. 1.70-2.30 m clayey bands. 3.20 m 100mm band of soft dark red/brown light grey and orange mottled sandy clay. 4.20 m 50mm band of soft dark orange brown and light grey laminated very sandy clay. SD_ALV_S
					9.00	-6.23		Mid brown silty fine and medium SAND. 9.00 m 50mm band of soft darkorange brown and light grey laminated very sandy clay. NCG
								Continued on Next Sheet

1 2 3 4 5 6 7 8 9 10

Remarks

AGS

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Borehole Log

Borehole No.
BH C3D
Sheet 2 of 3

Project Name:	Sizewell C Enabling Works	Project No. 5190666	Co-ords:	647320E - 264639N	Hole Type CP
Location:	Sizewell		Level:	2.77	Scale 1:50
Client:	NNB GenCo		Dates:		Logged By JG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Mid brown silty fine and medium SAND. 9.00 m 50mm band of soft darkorange brown and light grey laminated very sandy clay. NCG
					13.00	-10.23		Mid brown/dark red silty fine to medium SAND with fine shell fragments and rare fine flint gravel. NCG
					20.00	-17.23		Continued on Next Sheet

11 12 13 14 15 16 17 18 19 20

Remarks

AGS

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Borehole Log

Borehole No.
BH C3D
Sheet 3 of 3

Project Name:	Sizewell C Enabling Works	Project No. 5190666	Co-ords:	647320E - 264639N	Hole Type CP
Location:	Sizewell		Level:	2.77	Scale 1:50
Client:	NNB GenCo		Dates:		Logged By JG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Light grey medium to coarse SAND with frequent shell fragments. RCG
					24.00	-21.23		End of Borehole at 24.00m

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Remarks

AGS

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Borehole Log

Borehole No.
BH C4D
Sheet 1 of 3

Project Name: Sizewell C Enabling Works	Project No. 5190666	Co-ords: 647001E - 264442N	Hole Type CP
Location: Sizewell		Level: 1.42	Scale 1:50
Client: NNB GenCo		Dates:	Logged By JG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.05	1.37		Dark brown TOPSOIL with rootlets. Topsoil
					0.60	0.82		Loose brown orange fine to medium SAND with rare medium subangular tosubrounded flint gravel. SD_ALV_S
								Light brown, cream and yellow/orange fine to medium SAND. Damp. Dark greymottled inclusions - weakly cemented. SD_ALV_S
	▼				1.40	0.02		
					1.60	-0.18		Soft brown and light grey mottled sandy slightly gravelly peaty silty CLAY.Gravel is medium and coarse subangular to subrounded of quartz and flint. Rareblack organic pockets - organic odour. SD_ALV_C
					2.00	-0.58		
					2.20	-0.78		Orange brown silty fine and medium SAND with frequent clayey pockets SD_ALV_S
								Firm orange light brown and light grey laminated sandy CLAY. SD_ALV_C
								Orange brown silty fine to medium SAND with frequent clayey pockets. NCG
					6.00	-4.58		Orange brown very silty fine to medium SAND. NCG
					9.00	-7.58		Brown slightly silty slightly clayey fine and medium SAND with finesubangular ferrous nodules weakly cemented. NCG
					10.00	-8.58		Continued on Next Sheet

Remarks

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Borehole Log

Borehole No.
BH C4D
Sheet 2 of 3

Project Name:	Sizewell C Enabling Works	Project No. 5190666	Co-ords:	647001E - 264442N	Hole Type CP
Location:	Sizewell		Level:	1.42	Scale 1:50
Client:	NNB GenCo		Dates:		Logged By JG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Brown slightly silty fine and medium SAND with fine rare subangular ferrousnodules weakly cemented and frequent fine shell fragments. 15.00 m darkbrown/red hard cemented and laminated nodule - ferrous? NCG
					20.00	-18.58		Continued on Next Sheet

11 12 13 14 15 16 17 18 19 20

Remarks

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Borehole Log

Borehole No.
BH C4D
Sheet 3 of 3

Project Name:	Sizewell C Enabling Works	Project No. 5190666	Co-ords: 647001E - 264442N	Hole Type CP
Location:	Sizewell		Level: 1.42	Scale 1:50
Client:	NNB GenCo		Dates:	Logged By JG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Brown fine to coarse SAND with fine to medium off white and red shell fragments and rare fine subrounded flint gravel. RCG
					22.00	-20.58		Brown grey fine to coarse SAND with fine white and red shell fragments andfrequent fine to coarse light grey bladed mudstone gravel. RCG
					23.50	-22.08		End of Borehole at 23.50m

Remarks

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Borehole Log

Borehole No.
BH C4S
Sheet 1 of 1

Project Name:	Sizewell C Enabling Works	Project No. 5190666	Co-ords: 647002E - 264442N	Hole Type CP
Location:	Sizewell		Level: 1.42	Scale 1:50
Client:	NNB GenCo		Dates:	Logged By JG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.05	1.37		Dark brown TOPSOIL with rootlets. Topsoil
					0.60	0.82		Loose brown orange fine to medium SAND with rare medium subangular tosubrounded flint gravel. SD_ALV_S
								Light brown, cream and yellow/orange fine to medium SAND. Damp. Dark greymottled inclusions - weakly cemented. SD_ALV_S
	▼				1.40	0.02		Soft brown and light grey mottled sandy slightly gravelly peaty silty CLAY.Gravel is medium and coarse subangular to subrounded of quartz and flint. Rareblack organic pockets - organic odour. SD_ALV_C
					1.60	-0.18		Orange brown silty fine and medium SAND with frequent clayey pockets SD_ALV_S
					2.00	-0.58		Firm orange light brown and light grey laminated sandy CLAY. SD_ALV_C
					2.20	-0.78		Orange brown silty fine to medium SAND with frequent clayey pockets. NCG
					6.00	-4.58		End of Borehole at 6.00m

Remarks

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Borehole Log

Borehole No.
P10
Sheet 1 of 1

Project Name:	Sizewell C Enabling Works	Project No. 5190666	Co-ords:	647323E - 264466N	Hole Type BH
Location:	Sizewell		Level:	0.54	Scale 1:50
Client:	NNB GenCo		Dates:	01/01/2013	Logged By

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								PEAT. PEAT
					1.56	-1.02		End of Borehole at 1.56m

Remarks

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Borehole Log

Borehole No.
BDG01A
Sheet 1 of 4

Project Name:	Sizewell C Enabling Works	Project No. 5190666	Co-ords:	647324E - 264544N	Hole Type CP
Location:	Sizewell		Level:	1.68	Scale 1:50
Client:	NNB GenCo		Dates:	10/03/2014	Logged By SHaynes

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	D					Brown to orangish brown slightly gravelly fine to medium SAND. Gravel is subrounded fine to medium quartzite and flint. Rootlets and bark <20mm in diameter. SD_ALV_S
		0.10 - 0.60	B					
		0.80	D		0.80	0.88		
		0.80 - 1.20	B					Yellow medium SAND interbedded with soft brown very sandy laminated CLAY. Laminae are thin brown, orange and grey sandy clay. SD_ALV_S
	▽	1.20 - 1.65	B					
		1.20 - 1.65	D					
		1.20	SPT	N=8				
		2.00 - 2.45	B					
		2.00 - 2.45	D					
		2.00	SPT	N=12				
					2.50	-0.82		Medium dense orangish buff slightly gravelly medium to coarse SAND. Gravel is angular and tabular coarse brown mudstone. SD_ALV_S
		3.00 - 3.45	B					*At 3.00m, thin lamination of soft brown clay 3mm.*
		3.00 - 3.45	D					
		3.00	SPT	N=12				
		4.00 - 4.45	B					*At 4.00m, thin lamination of soft brown clay 4mm-5mm.*
		4.00 - 4.45	D					
		4.00	SPT	N=12				
		5.00 - 5.45	B					
		5.00 - 5.45	D					
		5.00	SPT	N=12				
					5.50	-3.82		Medium dense brown to reddish brown slightly gravelly coarse SAND with thin laminations of dark red and brown cemented sand and mudstone. Gravel is angular fine shell fragments and tabular brown mudstone. NCG
		6.00	D					
		6.00 - 6.45	B					
		6.00	SPT	N=14				
		7.00	D					
		7.50 - 7.95	B					
		7.50	SPT	N=14				
		8.00	D					
		9.00	D					
		9.00 - 9.45	B					*Below 9.00m, shell fragments become fine to coarse and include whole shell <15mm.*
		9.00	SPT	N=16				
		10.00	D					

Continued on Next Sheet

Remarks

1. Inspection pit hand dug to 1.20m. 2. Groundwater struck at 1.30m, rising to 1.20m after 20 minutes. 3. Blowing sand from 19.00m. 4. Water and polymer added to assist drilling.

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Borehole Log

Borehole No.
BDG01A
Sheet 2 of 4

Project Name:	Sizewell C Enabling Works	Project No. 5190666	Co-ords:	647324E - 264544N	Hole Type CP
Location:	Sizewell		Level:	1.68	Scale 1:50
Client:	NNB GenCo		Dates:	10/03/2014	Logged By SHaynes

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		10.50 - 10.95	B					Medium dense brown to reddish brown slightly gravelly coarse SAND with thin laminations of dark red and brown cemented sand and mudstone. Gravel is angular fine shell fragments and tabular brown mudstone. NCG	
		10.50	SPT	N=16					
		11.00	D						11
		12.00	D						
		12.00 - 12.45	B					*At 12.00m, thin lamination of soft grey clay 3mm-4mm .*	12
		12.00	SPT	N=18					
		13.00	D						13
		13.50 - 13.95	B						
		13.50	SPT	N=34				*Below 13.50m, becomes dense.*	
		14.00	D					*Below 14.00m, becomes gravelly and redish brown in colour.*	14
		15.00	D						
		15.00 - 15.45	B						15
		15.00	SPT	N=42					
		16.00	D						16
		16.50 - 16.95	B						
		16.50	SPT	N=83*					
		17.00	D					*At 17.00m, thin lamination of greenish grey sandy clay 4mm.*	17
		18.00	D		18.00	-16.32			18
		18.00 - 18.35	B					Dense brown to bluish grey slightly gravelly to gravelly to coarse SAND with occasional thick laminations of weak grey siltstone <15mm . Gravel is angular fine flint and shell fragments. RCG	
		18.00	SPT	N=79*					
		19.00	D						19
		19.50 - 20.00	B						
		20.00	D						20

Continued on Next Sheet

Remarks

1. Inspection pit hand dug to 1.20m. 2. Groundwater struck at 1.30m, rising to 1.20m after 20 minutes. 3. Blowing sand from 19.00m. 4. Water and polymer added to assist drilling.

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Borehole Log

Borehole No.
BDG01A
Sheet 3 of 4

Project Name:	Sizewell C Enabling Works	Project No. 5190666	Co-ords:	647324E - 264544N	Hole Type CP
Location:	Sizewell		Level:	1.68	Scale 1:50
Client:	NNB GenCo		Dates:	10/03/2014	Logged By SHaynes

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		20.50 - 21.00	B					Dense brown to bluish grey slightly gravelly to gravelly to coarse SAND with occasional thick laminations of weak grey siltstone <15mm . Gravel is angular fine flint and shell fragments. RCG	
		21.00	D						21
		21.50 - 21.85 21.50	B SPT	N=77*				*Below 21.50m, becomes bluish grey.*	
		22.00	D					*At 22.00m, thin lamination of soft grey clay 4mm.*	22
		23.00 23.00 - 23.33 23.00	D B SPT	N=81*				*Below 23.00m, becomes slightly gravelly.*	23
		24.00	D						24
		24.50 24.50	B SPT	N=86*					
		25.00	D						25
		26.00 26.00 - 26.30 26.00	D B SPT	N=120*				*At 26.00m, occasional whole shell <20mm.*	26
		27.00	D		27.00	-25.32			27
		27.50 27.50	B SPT	N=214*				Dense bluish grey very gravelly coarse SAND with frequent thick laminations of weak grey siltstone <20mm. Gravel is angular fine to medium shell fragments. RCG	
		28.00	D						28
		29.00 29.00 - 29.45 29.00	D B SPT	N=158*					29
		30.00	D						30

Continued on Next Sheet

Remarks

1. Inspection pit hand dug to 1.20m. 2. Groundwater struck at 1.30m, rising to 1.20m after 20 minutes. 3. Blowing sand from 19.00m. 4. Water and polymer added to assist drilling.

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Borehole Log

Borehole No.
BDG01A
Sheet 4 of 4

Project Name:	Sizewell C Enabling Works	Project No. 5190666	Co-ords:	647324E - 264544N	Hole Type CP
Location:	Sizewell		Level:	1.68	Scale 1:50
Client:	NNB GenCo		Dates:	10/03/2014	Logged By SHaynes

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		30.50	B					Dense bluish grey very gravelly coarse SAND with frequent thick laminations of weak grey siltstone <20mm. Gravel is angular fine to medium shell fragments. RCG	
		30.50	SPT	N=167*					
		31.00	D						31
		32.00	D						
		32.00 - 32.30	B						32
		32.00	SPT	N=130*					
		33.00	D					*At 33.00m, very thin bed of gravel of whole and shell fragments <80mm.*	33
		33.50 - 33.80	B						
		33.50	SPT	N=158*					
		34.00	D						34
		35.00	D						35
		35.00 - 35.80	B						
		35.00	SPT	N=158*					
		36.00	D					*Below 36.00m, becomes grey.*	36
		36.50	B						
		36.50	SPT	N=158*					
		37.00	D						37
		38.00	D						38
		38.50	B						
		38.50	SPT	N=167*					
		39.00	D					*Below 39.00m, becomes extremely weakly cemented in bands <20mm.*	39
		39.50	B						
		39.50	SPT	N=167*					
		40.00	D		40.00	-38.32		End of Borehole at 40.00m	40

Remarks

1. Inspection pit hand dug to 1.20m. 2. Groundwater struck at 1.30m, rising to 1.20m after 20 minutes. 3. Blowing sand from 19.00m. 4. Water and polymer added to assist drilling.

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Appendix C. Freshwater EQS screening

C.1. MBAT Assessment

INPUT DATA											RESULTS (Copper)				RESULTS (Zinc)				RESULTS (Mn)				RESULTS (Ni)			
ID	Location	Waterbody	Date	Measured Cu Concentration (dissolved) (µg l^{-1})	Measured Zn Concentration (dissolved) (µg l^{-1})	Measured Mn Concentration (dissolved) (µg l^{-1})	Measured Ni Concentration (dissolved) (µg l^{-1})	pH	DOC	Ca	Site-specific PNEC Dissolved Copper (µg l^{-1})	BioF	Bioavailable Copper Concentration (µg l^{-1})	Risk Characterisation Ratio	Site-specific PNEC Dissolved Zinc (µg l^{-1})	BioF	Bioavailable Zinc Concentration (µg l^{-1})	Risk Characterisation Ratio	Site-specific PNEC Dissolved Manganese (µg l^{-1})	BioF	Bioavailable Manganese Concentration (µg l^{-1})	Risk Characterisation Ratio	Site-specific PNEC Dissolved Nickel (µg l^{-1})	BioF	Bioavailable Nickel Concentration (µg l^{-1})	Risk Characterisation Ratio
1	Sizewell - Average values from baseline surface water data		27/02/2024					8.02	10.36	144.3	28.63	0.03			48.08	0.23			211.21	0.58			16.86	0.24		
	(G3-G7) used for pH and calcium with a median value adopted																									
	for DOC.																									

INPUT DATA											RESULTS (Copper)				RESULTS (Zinc)				RESULTS (Mn)				RESULTS (Ni)			
ID	Location	Waterbody	Date	Measured Cu Concentration (dissolved) (µg l^{-1})	Measured Zn Concentration (dissolved) (µg l^{-1})	Measured Mn Concentration (dissolved) (µg l^{-1})	Measured Ni Concentration (dissolved) (µg l^{-1})	pH	DOC	Ca	Site-specific PNEC Dissolved Copper (µg l^{-1})	BioF	Bioavailable Copper Concentration (µg l^{-1})	Risk Characterisation Ratio	Site-specific PNEC Dissolved Zinc (µg l^{-1})	BioF	Bioavailable Zinc Concentration (µg l^{-1})	Risk Characterisation Ratio	Site-specific PNEC Dissolved Manganese (µg l^{-1})	BioF	Bioavailable Manganese Concentration (µg l^{-1})	Risk Characterisation Ratio	Site-specific PNEC Dissolved Nickel (µg l^{-1})	BioF	Bioavailable Nickel Concentration (µg l^{-1})	Risk Characterisation Ratio

INPUT DATA											RESULTS (Copper)				RESULTS (Zinc)				RESULTS (Mn)				RESULTS (Ni)			
ID	Location	Waterbody	Date	Measured Cu Concentration (dissolved) (µg l^{-1})	Measured Zn Concentration (dissolved) (µg l^{-1})	Measured Mn Concentration (dissolved) (µg l^{-1})	Measured Ni Concentration (dissolved) (µg l^{-1})	pH	DOC	Ca	Site-specific PNEC Dissolved Copper (µg l^{-1})	BioF	Bioavailable Copper Concentration (µg l^{-1})	Risk Characterisation Ratio	Site-specific PNEC Dissolved Zinc (µg l^{-1})	BioF	Bioavailable Zinc Concentration (µg l^{-1})	Risk Characterisation Ratio	Site-specific PNEC Dissolved Manganese (µg l^{-1})	BioF	Bioavailable Manganese Concentration (µg l^{-1})	Risk Characterisation Ratio	Site-specific PNEC Dissolved Nickel (µg l^{-1})	BioF	Bioavailable Nickel Concentration (µg l^{-1})	Risk Characterisation Ratio

INPUT DATA											RESULTS (Copper)				RESULTS (Zinc)				RESULTS (Mn)				RESULTS (Ni)			
ID	Location	Waterbody	Date	Measured Cu Concentration (dissolved) (μg l^{-1})	Measured Zn Concentration (dissolved) (μg l^{-1})	Measured Mn Concentration (dissolved) (μg l^{-1})	Measured Ni Concentration (dissolved) (μg l^{-1})	pH	DOC	Ca	Site-specific PNEC Dissolved Copper (μg l^{-1})	BioF	Bioavailable Copper Concentration (μg l^{-1})	Risk Characterisation Ratio	Site-specific PNEC Dissolved Zinc (μg l^{-1})	BioF	Bioavailable Zinc Concentration (μg l^{-1})	Risk Characterisation Ratio	Site-specific PNEC Dissolved Manganese (μg l^{-1})	BioF	Bioavailable Manganese Concentration (μg l^{-1})	Risk Characterisation Ratio	Site-specific PNEC Dissolved Nickel (μg l^{-1})	BioF	Bioavailable Nickel Concentration (μg l^{-1})	Risk Characterisation Ratio

INPUT DATA											RESULTS (Copper)				RESULTS (Zinc)				RESULTS (Mn)				RESULTS (Ni)			
ID	Location	Waterbody	Date	Measured Cu Concentration (dissolved) (µg l^{-1})	Measured Zn Concentration (dissolved) (µg l^{-1})	Measured Mn Concentration (dissolved) (µg l^{-1})	Measured Ni Concentration (dissolved) (µg l^{-1})	pH	DOC	Ca	Site-specific PNEC Dissolved Copper (µg l^{-1})	BioF	Bioavailable Copper Concentration (µg l^{-1})	Risk Characterisation Ratio	Site-specific PNEC Dissolved Zinc (µg l^{-1})	BioF	Bioavailable Zinc Concentration (µg l^{-1})	Risk Characterisation Ratio	Site-specific PNEC Dissolved Manganese (µg l^{-1})	BioF	Bioavailable Manganese Concentration (µg l^{-1})	Risk Characterisation Ratio	Site-specific PNEC Dissolved Nickel (µg l^{-1})	BioF	Bioavailable Nickel Concentration (µg l^{-1})	Risk Characterisation Ratio

ID	Location	Waterbody	Date	Measured Pb Concentration (dissolved) (µg l^{-1})	DOC	Site Specific PNEC Dissolved Pb (µg l^{-1})
1	Sizewell				10.36	12.43

Notes

Median value from Sizewell baseline surface water monitoring (G3-G7) used for DOC value.

C.2. Freshwater EQS Screening Sheet

Assessment Criteria :	Freshwater EQS							
Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences
pH		N/A	6-9	16	5.9	9.4	0	
Electrical Conductivity	µS/cm	1.0	No WSV	16	200	3300	0	
Suspended Solids At 105C	mg/l	5.0	No WSV	16	9	100	0	
Alkalinity (Total)	mg/l	10	No WSV	16	<10	220	0	
Chloride	mg/l	1.0	250	16	26	2100	6	C3S, 44145; C3s, 44329; C4D, 44334; C3S, 44516; C4D, 44516; P10, 44735
Ammonium	mg/l	0.050	0.26	16	<0.05	1.3	6	C3s, 44329; C4D, 44516; C3S, 44735; P10, 44735; C4S, 44740; C4D, 44740
Ammoniacal Nitrogen	mg/l	0.050	0.6	16	<0.05	1.4	2	C4S, 44740; C4D, 44740
Nitrite	mg/l	0.020	0.01	16	<0.02	0.34	6	C3S, 44145; C3S, 44735; C3D, 44735; P10, 44735; C4S, 44740; C4D, 44740
Nitrate	mg/l	0.50	N/A	16	<0.5	26	0	
Phosphate	mg/l	0.200	No WSV	16	<0.2	0.35	0	
Phosphorus (Dissolved)	mg/l	0.020	0.008	16	<0.02	0.11	10	C3S, 44145; C3D, 44145; C4S, 44146; C3s, 44329; C3d, 44329; C4S, 44334; C4D, 44334; C3D, 44516; C4S, 44516; C3D, 44735
Sulphate	mg/l	1.0	400	16	25	95	0	
Total Oxidised Nitrogen	mg/l	0.20	No WSV	16	<0.2	5.9	0	
Cyanide (Free) Low-Level	mg/l	0.0050	0.001	16	<0.005	<0.005	0	
Calcium	mg/l	5.0	N/A	16	4.6	680	0	
Potassium	mg/l	0.50	N/A	16	1.7	17	0	
Magnesium	mg/l	0.50	N/A	16	1.3	91	0	
Sodium	mg/l	0.50	N/A	16	21	430	0	
Arsenic (Dissolved)	mg/l	0.001	0.05	16	<0.0002	0.0027	0	
Boron (Dissolved)	mg/l	0.02	2	16	<0.01	0.92	0	
Cadmium (Dissolved)	mg/l	0.00008	0.00025	16	<0.00008	0.00084	6	C3s, 44329; C3S, 44735; C3D, 44735; P10, 44735; C4S, 44740; C4D, 44740
Chromium (Dissolved)	mg/l	0.001	See Cr VI as first pass	16	<0.0005	0.073	0	
Copper (Dissolved)	mg/l	0.001	0.029	16	<0.0005	0.0097	0	
Iron (Dissolved)	mg/l	0.02	1	16	<0.005	1.3	1	C4D, 44516
Manganese (Dissolved)	mg/l	0.001	0.211	16	<0.001	14	4	C3s, 44329; C3S, 44516; C3S, 44735; P10, 44735
Nickel (Dissolved)	mg/l	0.001	0.017	16	<0.0005	0.031	3	C3s, 44329; C4S, 44334; C4D, 44334
Lead (Dissolved)	mg/l	0.001	0.01243	16	<0.0005	0.0019	0	
Selenium (Dissolved)	mg/l	0.0005	N/A	0	0	0	0	
Zinc (Dissolved)	mg/l	0.001	0.048	16	0.0024	0.035	0	
Mercury Low Level (Dissolved)	mg/l	0.00001	0.00007	16	<0.00001	<0.00001	0	
Low-Level Chromium (Hexavalent) (Dissolved)	mg/l	0.0001	0.0034	11	<0.0001	0.0053	2	C3s, 44329; C4S, 44334
Chromium (Trivalent) (Dissolved)	mg/l	0.001	0.0047	12	<0.001	0.068	6	C3d, 44329; C4S, 44334; C4D, 44334; C3S, 44735; C4S, 44740; C4D, 44740
Chromium (Hexavalent) (Dissolved)	mg/l	0.02	0.0034	5	<0.02	<0.02	0	
Dissolved Organic Carbon Low Level	mg/l	N/A	No WSV	11	0.72	9.7	0	
Total TPH >C6-C40	mg/l	0.01	No WSV	11	<0.01	<0.01	0	
Naphthalene	mg/l	0.00001	0.002	16	<0.00001	<0.00001	0	
Acenaphthylene	mg/l	0.00001	Screen BaP only	16	<0.00001	<0.00001	0	
Acenaphthene	mg/l	0.00001	Screen BaP only	16	<0.00001	<0.00001	0	
Fluorene	mg/l	0.00001	N/A	16	<0.00001	<0.00001	0	
Phenanthrene	mg/l	0.00001	Screen BaP only	16	<0.00001	<0.00001	0	
Anthracene	mg/l	0.00001	0.0001	16	<0.00001	<0.00001	0	
Fluoranthene	mg/l	0.00001	0.0000063	16	<0.00001	<0.00001	0	
Pyrene	mg/l	0.00001	N/A	16	<0.00001	<0.00001	0	
Benzo[a]anthracene	mg/l	0.00001	Screen BaP only	16	<0.00001	<0.00001	0	
Chrysene	mg/l	0.00001	Screen BaP only	16	<0.00001	<0.00001	0	
Benzo fluoranthene	mg/l	0.00001	No WSV	16	<0.00001	<0.00001	0	
Benzo[k]fluoranthene	mg/l	0.00001	Screen BaP only	16	<0.00001	<0.00001	0	
Benzo[a]pyrene	mg/l	0.00001	0.00000017	16	<0.00001	<0.00001	0	
Indeno(1,2,3-c,d)Pyrene	mg/l	0.00001	Screen BaP only	16	<0.00001	<0.00001	0	
Dibenz(a,h)Anthracene	mg/l	0.00001	N/A	16	<0.00001	<0.00001	0	
Benzo[g,h,i]perylene	mg/l	0.00001	Screen BaP only	16	<0.00001	<0.00001	0	
Total Of 16 PAH's	mg/l	0.0002	No WSV	16	<0.0002	<0.0002	0	
Dichlorodifluoromethane	mg/l	0.0001	No WSV	16	<0.0001	<0.0001	0	
Chloromethane	mg/l	0.0001	No WSV	16	<0.0001	<0.0001	0	
Vinyl Chloride	mg/l	0.0001	N/A	16	<0.0001	<0.0001	0	
Bromomethane	mg/l	0.002	No WSV	16	<0.002	<0.002	0	
Chloroethane	mg/l	0.0002	No WSV	16	<0.0002	<0.0002	0	
Trichlorofluoromethane	mg/l	0.0001	No WSV	16	<0.0001	<0.0001	0	
1,1-Dichloroethene	mg/l	0.0001	No WSV	16	<0.0001	<0.0001	0	
Trans 1,2-Dichloroethene	mg/l	0.0001	No WSV	16	<0.0001	<0.0001	0	
1,1-Dichloroethane	mg/l	0.0001	No WSV	16	<0.0001	<0.0001	0	
cis 1,2-Dichloroethene	mg/l	0.0001	No WSV	16	<0.0001	<0.0001	0	
Bromochloromethane	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
Trichloromethane	mg/l	0.0001	0.0025	16	<0.0001	<0.0001	0	
1,1,1-Trichloroethane	mg/l	0.0001	0.1	16	<0.0001	<0.0001	0	
Tetrachloromethane	mg/l	0.0001	0.012	16	<0.0001	<0.0001	0	
1,1-Dichloropropene	mg/l	0.0001	No WSV	16	<0.0001	<0.0001	0	
Benzene	mg/l	0.0001	0.01	16	<0.0001	<0.0001	0	
1,2-Dichloroethane	mg/l	0.0002	0.01	16	<0.0002	<0.0002	0	
Trichloroethene	mg/l	0.0001	0.01	16	<0.0001	<0.0001	0	
1,2-Dichloropropane	mg/l	0.0001	N/A	16	<0.0001	<0.0001	0	
Dibromomethane	mg/l	0.0001	No WSV	16	<0.0001	<0.0001	0	
Bromodichloromethane	mg/l	0.0005	N/A	16	<0.0005	<0.0005	0	
cis-1,3-Dichloropropene	mg/l	0.001	No WSV	16	<0.001	<0.001	0	
Toluene	mg/l	0.0001	0.074	16	<0.0001	<0.0001	0	
Trans-1,3-Dichloropropene	mg/l	0.001	No WSV	16	<0.001	<0.001	0	
1,1,2-Trichloroethane	mg/l	0.0001	0.4	16	<0.0001	<0.0001	0	
Tetrachloroethene	mg/l	0.0001	0.01	16	<0.0001	<0.0001	0	
1,3-Dichloropropane	mg/l	0.0002	No WSV	16	<0.0002	<0.0002	0	
Dibromochloromethane	mg/l	0.001	N/A	16	<0.001	<0.001	0	
1,2-Dibromoethane	mg/l	0.0005	N/A	16	<0.0005	<0.0005	0	
Chlorobenzene	mg/l	0.0001	N/A	16	<0.0001	<0.0001	0	
1,1,1,2-Tetrachloroethane	mg/l	0.0002	No WSV	16	<0.0002	<0.0002	0	
Ethylbenzene	mg/l	0.0001	0.02	16	<0.0001	<0.0001	0	
m & p-Xylene	mg/l	0.0001	0.0003	16	<0.0001	<0.0001	0	
o-Xylene	mg/l	0.0001	0.0003	16	<0.0001	<0.0001	0	
Styrene	mg/l	0.0001	0.05	16	<0.0001	<0.0001	0	
Tribromomethane	mg/l	0.001	No WSV	16	<0.001	<0.001	0	
Isopropylbenzene	mg/l	0.0001	No WSV	16	<0.0001	<0.0001	0	
Bromobenzene	mg/l	0.0001	No WSV	16	<0.0001	<0.0001	0	
1,2,3-Trichloropropane	mg/l	0.005	No WSV	16	<0.005	<0.005	0	
N-Propylbenzene	mg/l	0.0001	No WSV	16	<0.0001	<0.0001	0	
2-Chlorotoluene	mg/l	0.0001	No WSV	16	<0.0001	<0.0001	0	
1,3,5-Trimethylbenzene	mg/l	0.0001	No WSV	16	<0.0001	<0.0001	0	
4-Chlorotoluene	mg/l	0.0001	No WSV	16	<0.0001	<0.0001	0	
Tert-Butylbenzene	mg/l	0.0001	No WSV	16	<0.0001	<0.0001	0	
1,2,4-Trimethylbenzene	mg/l	0.0001	No WSV	16	<0.0001	<0.0001	0	
Sec-Butylbenzene	mg/l	0.0001	No WSV	16	<0.0001	<0.0001	0	
1,3-Dichlorobenzene	mg/l	0.0001	0.02	16	<0.0001	<0.0001	0	
4-Isopropyltoluene	mg/l	0.0001	No WSV	16	<0.0001	<0.0001	0	
1,4-Dichlorobenzene	mg/l	0.0001	0.02	16	<0.0001	<0.0001	0	
N-Butylbenzene	mg/l	0.0001	No WSV	16	<0.0001	<0.0001	0	
1,2-Dichlorobenzene	mg/l	0.0001	0.02	16	<0.0001	<0.0001	0	
1,2-Dibromo-3-Chloropropane	mg/l	0.005	N/A	16	<0.005	<0.005	0	
1,2,4-Trichlorobenzene	mg/l	0.0001	No WSV	16	<0.0001	<0.0001	0	
Hexachlorobutadiene	mg/l	0.0001	0.0006	16	<0.0001	<0.0001	0	
1,2,3-Trichlorobenzene	mg/l	0.0002	No WSV	16	<0.0002	<0.0002	0	
Methyl Tert-Butyl Ether	mg/l	0.0001	No WSV	16	<0.0001	<0.0001	0	
N-Nitrosodimethylamine	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
Phenol	mg/l	0.0005	0.0077	16	<0.0005	<0.0005	0	
2-Chlorophenol	mg/l	0.0005	0.05	16	<0.0005	<0.0005	0	
Bis-(2-Chloroethyl)Ether	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
1,3-Dichlorobenzene	mg/l	0.0005	0.02	16	<0.0005	<0.0005	0	
1,4-Dichlorobenzene	mg/l	0.0005	0.02	16	<0.0005	<0.0005	0	
1,2-Dichlorobenzene	mg/l	0.0005	0.02	16	<0.0005	<0.0005	0	
2-Methylphenol (o-Cresol)	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
Bis(2-Chloroisopropyl)Ether	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
Hexachloroethane	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
N-Nitrosodi-n-propylamine	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
4-Methylphenol	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
Nitrobenzene	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
Isophorone	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
2-Nitrophenol	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
2,4-Dimethylphenol	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
Bis(2-Chloroethoxy)Methane	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
2,4-Dichlorophenol	mg/l	0.0005	0.0042	16	<0.0005	<0.0005	0	
1,2,4-Trichlorobenzene	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
Naphthalene	mg/l	0.0005	0.002	16	<0.0005	<0.0005	0	
4-Chloroaniline	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
Hexachlorobutadiene	mg/l	0.0005	0.0006	16	<0.0005	<0.0005	0	
4-Chloro-3-Methylphenol	mg/l	0.0005	0.04	16	<0.0005	<0.0005	0	
2-Methylnaphthalene	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
Hexachlorocyclopentadiene	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
2,4,6-Trichlorophenol	mg/l	0.0005	N/A	16	<0.0005	<0.0005	0	
2,4,5-Trichlorophenol	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
2-Chloronaphthalene	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
2-Nitroaniline	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
Acenaphthylene	mg/l	0.0005	Screen BaP only	16	<0.0005	<0.0005	0	
Dimethylphthalate	mg/l	0.0005	0.8	16	<0.0005	<0.0005	0	
2,6-Dinitrotoluene	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
Acenaphthene	mg/l	0.0005	Screen BaP only	16	<0.0005	<0.0005	0	
3-Nitroaniline	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
Dibenzofuran	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
4-Chlorophenylphenylether	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
2,4-Dinitrotoluene	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
Fluorene	mg/l	0.0005	N/A	16	<0.0005	<0.0005	0	
Diethyl Phthalate	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
4-Nitroaniline	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
2-Methyl-4,6-Dinitrophenol	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
Azobenzene	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
4-Bromophenylphenyl Ether	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
Hexachlorobenzene	mg/l	0.0005	0.00005	16	<0.0005	<0.0005	0	
Pentachlorophenol	mg/l	0.0005	0.0004	16	<0.0005	<0.0005	0	
Phenanthrene	mg/l	0.0005	Screen BaP only	16	<0.0005	<0.0005	0	
Anthracene	mg/l	0.0005	0.0001	16	<0.0005	<0.0005	0	
Carbazole	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
Di-N-Butyl Phthalate	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
Fluoranthene	mg/l	0.0005	0.0000063	16	<0.0005	<0.0005	0	
Pyrene	mg/l	0.0005	N/A	16	<0.0005	<0.0005	0	
Butylbenzyl Phthalate	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
Benzo[a]anthracene	mg/l	0.0005	Screen BaP only	16	<0.0005	<0.0005	0	
Chrysene	mg/l	0.0005	Screen BaP only	16	<0.0005	<0.0005	0	
Bis(2-Ethylhexyl)Phthalate	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
Di-N-Octyl Phthalate	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
Benzo fluoranthene	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
Benzo[k]fluoranthene	mg/l	0.0005	Screen BaP only	16	<0.0005	<0.0005	0	

Location	C3S	C3D	C4S	C3s	C3d	C4S	C4D	C3S	C3D	C4S	C4D	C3S	C3D	P10	C4S	C4D
Sample ID	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Depth	0.77 to -4.23	-8.63 to -18.43	-0.58 to -4.58	0.77 to -4.23	-8.63 to -18.43	-0.58 to -4.58	-11.98 to -22.08	0.77 to -4.23	-8.63 to -18.43	-0.58 to -4.58	-11.98 to -22.08	0.77 to -4.23	-8.63 to -18.43	0.04 to -1.02	-0.58 to -4.58	-11.98 to -22.08
Date	10/11/2020	10/11/2020	11/11/2020	13/05/2021	13/05/2021	18/05/2021	18/05/2021	16/11/2021	16/11/2021	16/11/2021	16/11/2021	23/06/2022	23/06/2022	23/06/2022	28/06/2022	28/06/2022
Strata																
Zone																
pH	5.9	8.2	8.6	7.5	8.2	8	7.8	8.2	8.3	7.8	7.2	8.1	8.6	8.1	9.4	8.8
Electrical Conductivity	1300	360	240	3300	400	200	1400	880	330	250	2600	1400	1500	1900	290	1100
Suspended Solids At 105C	9	28	26	25	20	12	29	37	54	84	68	35	73	56	100	29
Alkalinity (Total)	<10	78	22	<10	55	11	220	<10	53	14	170	55	96	100	24	170
Chloride	380	53	26	1100	51	26	330	300	46	26	680	140	71	2100	46	240
Ammonium	0.063	0.2	<0.05	0.31	0.19	<0.05	0.051	0.09	0.072	0.26	0.27	0.41	0.23	0.29	0.56	1.3
Ammoniacal Nitrogen	<0.05	0.17	<0.05	0.24	0.16	<0.05	<0.05	0.075	0.062	0.21	0.21	0.34	0.22	0.24	1	1.4
Nitrite	0.033	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.097	0.065	0.058	0.34	0.32
Nitrate	2.4	<0.5	17	1.8	<0.5	16	<0.5	5.8	<0.5	26	<0.5	3.1	<0.5	<0.5	6	2.2
Phosphate	<0.2	0.35	0.32	<0.2	0.25	0.29	<0.2	<0.2	0.21	0.28	<0.2	<0.2	0.32	<0.2	<0.2	<0.2
Phosphorus (Dissolved)	0.024	0.11	0.1	0.022	0.082	0.095	0.039	<0.02	0.069	0.091	<0.02	<0.02	0.1	<0.02	<0.02	<0.02
Sulphate	27	36	28	53	32	25	47	34	36	25	50	32	43	95	42	61
Total Oxidised Nitrogen	0.54	<0.2	3.8	0.41	<0.2	3.6	<0.2	1.3	<0.2	5.9	<0.2	0.72	<0.2	<0.2	1.5	0.59
Cyanide (Free) Low-Level	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium	16	37	8.1	48	30	5.2	200	10	33	6.7	330	5.3	39	680	4.6	150
Potassium	8.6	1.7	3.3	11	2	2.6	12	5.7	2	2.8	14	3.5	2.2	17	3	11
Magnesium	27	1.3	5.6	91	2.2	5.2	13	19	1.7	6.2	19	9.1	2.2	71	6.1	11
Sodium	110	23	24	430	25	21	53	120	24	24	120	60	26	200	25	39
Arsenic (Dissolved)	<0.001	0.0018	<0.001	<0.0002	0.0013	0.0006	0.00086	<0.0002	0.0014	0.0018	0.0011	0.00088	0.0027	0.00076	0.0021	0.0025
Boron (Dissolved)	0.042	<0.02	<0.02	0.041	0.014	0.014	0.034	0.9	0.76	0.92	0.83	0.029	<0.01	0.021	0.19	0.048
Cadmium (Dissolved)	0.00013	<0.00008	<0.00008	0.00046	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	0.00065	0.00084	0.00035	0.00042	0.00062
Chromium (Dissolved)	0.0026	<0.001	0.0029	0.0071	0.0068	0.073	0.045	<0.0005	<0.0005	<0.0005	<0.0005	0.0058	<0.0005	<0.0005	0.006	0.0091
Copper (Dissolved)	0.0012	<0.001	<0.001	0.0007	0.0097	0.0017	0.0011	0.00054	<0.0005	0.0038	0.0035	0.0012	<0.0005	<0.0005	0.00061	0.0018
Iron (Dissolved)	0.35	0.17	<0.02	0.034	0.024	0.31	0.2	0.027	<0.005	0.67	1.3	<0.005	<0.005	0.11	0.028	0.03
Manganese (Dissolved)	<0.001	0.16	0.0019	14	0.12	0.013	0.19	2.3	0.11	0.078	0.1	0.87	0.21	0.59	0.034	0.15
Nickel (Dissolved)	0.016	<0.001	<0.001	0.024	0.0039	0.031	0.02	0.0058	<0.0005	0.0011	0.0023	0.002	<0.0005	0.0011	0.0035	0.0053
Lead (Dissolved)	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0012	0.0019	<0.0005	0.0012	<0.0005	0.00074	0.00092
Selenium (Dissolved)																
Zinc (Dissolved)	0.0078	0.0024	0.0032	0.015	<0.003	<0.003	<0.003	0.013	<0.0025	0.023	0.035	0.0093	0.0038	0.0039	0.015	0.015
Mercury Low Level (Dissolved)	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Low-Level Chromium (Hexavalent) (Dissolved)	<0.0001	<0.0001	0.00095	0.0044	0.00038	0.0053	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001					
Chromium (Trivalent) (Dissolved)	0.003	<0.001	0.002	0.003	0.006	0.068	0.045					0.006	<0.001	<0.001	0.006	0.009
Chromium (Hexavalent) (Dissolved)												<0.02	<0.02	<0.02	<0.02	<0.02
Dissolved Organic Carbon Low Level	5.2	3.3	3.1	9.7	0.72	0.73	0.91	3.7	1	1.6	1.9					
Total TPH >C6-C40	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01					
Naphthalene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Acenaphthylene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Acenaphthene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Phenanthrene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Anthracene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluoranthene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Pyrene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[a]anthracene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Chrysene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo fluoranthene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[k]fluoranthene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[a]pyrene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Indeno(1,2,3-c,d)Pyrene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Dibenz(a,h)Anthracene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[g,h,i]perylene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Total Of 16 PAH's	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Dichlorodifluoromethane	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Chloromethane	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Vinyl Chloride	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Bromomethane	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Chloroethane	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Trichlorofluoromethane	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,1-Dichloroethene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Trans 1,2-Dichloroethene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,1-Dichloroethane	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
cis 1,2-Dichloroethene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Bromochloromethane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Trichloromethane	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,1,1-Trichloroethane	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Tetrachloromethane	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,1-Dichloropropene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Benzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,2-Dichloroethane	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Trichloroethene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,2-Dichloropropane	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Dibromomethane	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Bromodichloromethane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
cis-1,3-Dichloropropene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Trans-1,3-Dichloropropene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-Trichloroethane	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Tetrachloroethene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,3-Dichloropropane	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Dibromochloromethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromoethane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chlorobenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,1,1,2-Tetrachloroethane	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Ethylbenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
m & p-Xylene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
o-Xylene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Styrene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Tribromomethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Isopropylbenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Bromobenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,2,3-Trichloropropane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
N-Propylbenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
2-Chlorotoluene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,3,5-Trimethylbenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
4-Chlorotoluene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Tert-Butylbenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,2,4-Trimethylbenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sec-Butylbenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,3-Dichlorobenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
4-Isopropyltoluene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,4-Dichlorobenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
N-Butylbenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,2-Dichlorobenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,2-Dibromo-3-Chloropropane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2,4-Trichlorobenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Hexachlorobutadiene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,2,3-Trichlorobenzene	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Methyl Tert-Butyl Ether	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
N-Nitrosodimethylamine	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Phenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2-Chlorophenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bis-(2-Chloroethyl)Ether	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,3-Dichlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2-Methylphenol (o-Cresol)	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bis(2-Chloroisopropyl)Ether	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Hexachloroethane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Nitrosodi-n-propylamine	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4-Methylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Nitrobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Isophorone	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2-Nitrophenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2,4-Dimethylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bis(2-Chloroethoxy)Methane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2,4-Dichlorophenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2,4-Trichlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Naphthalene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4-Chloroaniline	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Hexachlorobutadiene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4-Chloro-3-Methylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2-Methylnaphthalene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Hexachlorocyclopentadiene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2,4,6-Trichlorophenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2,4,5-Trichlorophenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2-Chloronaphthalene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2-Nitroaniline	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Acenaphthylene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dimethylphthalate	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2,6-Dinitrotoluene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Acenaphthene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3-Nitroaniline	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dibenzofuran	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4-Chlorophenylphenylether	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2,4-Dinitrotoluene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Fluorene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Diethyl Phthalate	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4-Nitroaniline	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2-Methyl-4,6-Dinitrophenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Azobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4-Bromophenylphenyl Ether	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Hexachlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Pentachlorophenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Phenanthrene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Anthracene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Carbazole	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Di-N-Butyl Phthalate	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Fluoranthene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Pyrene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Butylbenzyl Phthalate	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Benzo[a]anthracene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chrysene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bis(2-Ethylhexyl)Phthalate	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Di-N-Octyl Phthalate	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Benzo fluoranthene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Benzo[k]fluoranthene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

ATKINS

Assessment Criteria :	Freshwater EQS							
Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences
Benzo[a]pyrene (BaP)	mg/l	0.0005	0.00000017	16	<0.0005	<0.0005	0	
Indeno(1,2,3-c,d)Pyrene	mg/l	0.0005	Screen BaP only	16	<0.0005	<0.0005	0	
Dibenz(a,h)Anthracene	mg/l	0.0005	N/A	16	<0.0005	<0.0005	0	
Benzo[g,h,i]perylene	mg/l	0.0005	Screen BaP only	16	<0.0005	<0.0005	0	
4-Nitrophenol	mg/l	0.0005	No WSV	16	<0.0005	<0.0005	0	
PCB 28	mg/l	0.00001	No WSV	16	<0.00001	<0.00001	0	
PCB 81	mg/l	0.00001	No WSV	16	<0.00001	<0.00001	0	
PCB 52	mg/l	0.00001	No WSV	16	<0.00001	<0.00001	0	
PCB 77	mg/l	0.00001	No WSV	16	<0.00001	<0.00001	0	
PCB 105	mg/l	0.00001	No WSV	16	<0.00001	<0.00001	0	
PCB 90+101	mg/l	0.00001	No WSV	16	<0.00001	<0.00001	0	
PCB 114	mg/l	0.00001	No WSV	16	<0.00001	<0.00001	0	
PCB 118	mg/l	0.00001	No WSV	16	<0.00001	<0.00001	0	
PCB 118	mg/l	0.00001	No WSV	16	<0.00001	<0.00001	0	
PCB 153	mg/l	0.00001	No WSV	16	<0.00001	<0.00001	0	
PCB 123	mg/l	0.00001	No WSV	16	<0.00001	<0.00001	0	
PCB 138	mg/l	0.00001	No WSV	16	<0.00001	<0.00001	0	
PCB 126	mg/l	0.00001	No WSV	16	<0.00001	<0.00001	0	
PCB 180	mg/l	0.00001	No WSV	16	<0.00001	<0.00001	0	
PCB 156	mg/l	0.00001	No WSV	16	<0.00001	<0.00001	0	
PCB 157	mg/l	0.00001	No WSV	16	<0.00001	<0.00001	0	
PCB 167	mg/l	0.00001	No WSV	16	<0.00001	<0.00001	0	
PCB 169	mg/l	0.00001	No WSV	16	<0.00001	<0.00001	0	
PCB 189	mg/l	0.00001	No WSV	16	<0.00001	<0.00001	0	
Total PCBs (12 Congeners)	mg/l	0.00001	No WSV	16	<0.00001	<0.00001	0	
Total PCBs (7 congeners)	mg/l	0.00001	No WSV	16	<0.00001	<0.00001	0	
Total Phenols	mg/l	0.030	No WSV	16	<0.03	<0.03	0	
Aggressive Dissolved CO2	mg/l	0.60	No WSV	4	<0.6	14	0	
Benzene	mg/l	0.0001	0.01	0	0	0	0	
Toluene	mg/l	0.0001	0.074	0	0	0	0	
Ethylbenzene	mg/l	0.0001	0.02	0	0	0	0	
m & p-Xylene	mg/l	0.0001	0.0003	0	0	0	0	
o-Xylene	mg/l	0.0001	0.0003	0	0	0	0	
Total Organic Carbon	mg/l	2.0	No WSV	0	0	0	0	
Aliphatic TPH >C5-C6	mg/l	0.0001	N/A	5	<0.0001	<0.0001	0	
Aliphatic TPH >C6-C8	mg/l	0.0001	N/A	5	<0.0001	<0.0001	0	
Aliphatic TPH >C8-C10	mg/l	0.0001	N/A	5	<0.0001	<0.0001	0	
Aliphatic TPH >C10-C12	mg/l	0.0001	N/A	5	<0.0001	<0.0001	0	
Aliphatic TPH >C12-C16	mg/l	0.0001	N/A	5	<0.0001	<0.0001	0	
Aliphatic TPH >C16-C21	mg/l	0.0001	N/A	5	<0.0001	<0.0001	0	
Aliphatic TPH >C21-C35	mg/l	0.0001	N/A	5	<0.0001	<0.0001	0	
Aliphatic TPH >C35-C44	mg/l	0.0001	N/A	5	<0.0001	<0.0001	0	
Total Aliphatic Hydrocarbons	mg/l	0.005	No WSV	5	<0.005	<0.005	0	
Aromatic TPH >C5-C7	mg/l	0.0001	N/A	5	<0.0001	<0.0001	0	
Aromatic TPH >C7-C8	mg/l	0.0001	N/A	5	<0.0001	<0.0001	0	
Aromatic TPH >C8-C10	mg/l	0.0001	N/A	5	<0.0001	<0.0001	0	
Aromatic TPH >C10-C12	mg/l	0.0001	N/A	5	<0.0001	<0.0001	0	
Aromatic TPH >C12-C16	mg/l	0.0001	N/A	5	<0.0001	<0.0001	0	
Aromatic TPH >C16-C21	mg/l	0.0001	N/A	5	<0.0001	<0.0001	0	
Aromatic TPH >C21-C35	mg/l	0.0001	N/A	5	<0.0001	<0.0001	0	
Aromatic TPH >C35-C44	mg/l	0.0001	N/A	5	<0.0001	<0.0001	0	
Total Aromatic Hydrocarbons	mg/l	0.005	No WSV	5	<0.005	<0.005	0	
Total Petroleum Hydrocarbons	mg/l	0.01	No WSV	5	<0.01	<0.01	0	

Constituents																
Location	C3S	C3D	C4S	C3s	C3d	C4S	C4D	C3S	C3D	C4S	C4D	C3S	C3D	P10	C4S	C4D
Sample ID	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Depth	0.77 to -4.23	-8.63 to -18.43	-0.58 to -4.58	0.77 to -4.23	-8.63 to -18.43	-0.58 to -4.58	-11.98 to -22.08	0.77 to -4.23	-8.63 to -18.43	-0.58 to -4.58	-11.98 to -22.08	0.77 to -4.23	-8.63 to -18.43	0.04 to -1.02	-0.58 to -4.58	-11.98 to -22.08
Date	10/11/2020	10/11/2020	11/11/2020	13/05/2021	13/05/2021	18/05/2021	18/05/2021	16/11/2021	16/11/2021	16/11/2021	16/11/2021	23/06/2022	23/06/2022	23/06/2022	28/06/2022	28/06/2022
Strata																
Zone																
Benzo[a]pyrene (BaP)	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Indeno(1,2,3-c,d)Pyrene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dibenz(a,h)Anthracene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Benzo[g,h,i]perylene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4-Nitrophenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
PCB 28	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 81	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 52	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 77	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 105	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 90+101	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 114	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 118	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 118	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 153	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 123	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 138	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 126	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 180	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 156	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 157	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 167	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 169	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 189	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Total PCBs (12 Congeners)	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Total PCBs (7 congeners)	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Total Phenols	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Aggressive Dissolved CO2								2.9	1.5	<0.6	14					
Benzene																
Toluene																
Ethylbenzene																
m & p-Xylene																
o-Xylene																
Total Organic Carbon																
Aliphatic TPH >C5-C6												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aliphatic TPH >C6-C8												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aliphatic TPH >C8-C10												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aliphatic TPH >C10-C12												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aliphatic TPH >C12-C16												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aliphatic TPH >C16-C21												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aliphatic TPH >C21-C35												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aliphatic TPH >C35-C44												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Aliphatic Hydrocarbons												<0.005	<0.005	<0.005	<0.005	<0.005
Aromatic TPH >C5-C7												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aromatic TPH >C7-C8												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aromatic TPH >C8-C10												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aromatic TPH >C10-C12												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aromatic TPH >C12-C16												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aromatic TPH >C16-C21												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aromatic TPH >C21-C35												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aromatic TPH >C35-C44												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Aromatic Hydrocarbons												<0.005	<0.005	<0.005	<0.005	<0.005
Total Petroleum Hydrocarbons												<0.01	<0.01	<0.01	<0.01	<0.01

WSV = Water Screening Value, in this case the lowest freshwater Environmental Quanlity Standard (EQS).
BaP = Benzo(a)pyrene
PAH = Polycyclic aromatic hydrocarbon
blue highlight indicates LOD is greater than the WSV

ATKINS

Assessment Criteria : *Freshwater EQS*

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	Location	C3S	C3D	C4S	C3s	C3d	C4S	C4D	C3S	C3D	C4S	C4D	C3S	C3D	P10	C4S	C4D
									Sample ID	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
									Depth	0.77 to -4.23	-8.63 to -18.43	-0.58 to -4.58	0.77 to -4.23	-8.63 to -18.43	-0.58 to -4.58	-11.98 to -22.08	0.77 to -4.23	-8.63 to -18.43	-0.58 to -4.58	-11.98 to -22.08	0.77 to -4.23	-8.63 to -18.43	0.04 to -1.02	-0.58 to -4.58	-11.98 to -22.08
									Date	10/11/2020	10/11/2020	11/11/2020	13/05/2021	13/05/2021	18/05/2021	18/05/2021	16/11/2021	16/11/2021	16/11/2021	16/11/2021	23/06/2022	23/06/2022	23/06/2022	28/06/2022	28/06/2022
									Strata																
									Zone																
pH		N/A	6-9	16	5.9	9.4	0			5.9	8.2	8.6	7.5	8.2	8	7.8	8.2	8.3	7.8	7.2	8.1	8.6	8.1	9.4	8.8
Electrical Conductivity	µS/cm	1.0	No WSV	16	200	3300	0			1300	360	240	3300	400	200	1400	880	330	250	2600	1400	1500	1900	290	1100
Suspended Solids At 105C	µg/l	5000	No WSV	16	9000	100000	0			9000	28000	26000	25000	20000	12000	29000	37000	54000	84000	68000	35000	73000	56000	100000	29000
Alkalinity (Total)	µg/l	10000	No WSV	16	<10000	220000	0			<10000	78000	22000	<10000	55000	11000	220000	<10000	53000	14000	170000	55000	96000	100000	24000	170000
Chloride	µg/l	1000	250	16	26000	2100000	6	C3S, 44145; C3s, 44329; C4D, 44334; C3S, 44516; C4D, 44516; P10, 44735		380000	53000	26000	1100000	51000	26000	330000	300000	46000	26000	680000	140000	71000	2100000	46000	240000
Ammonium	µg/l	50	0.26	16	<50	1300	6	C3s, 44329; C4D, 44516; C3S, 44735; P10, 44735; C4S, 44740; C4D, 44740		63	200	<50	310	190	<50	51	90	72	260	270	410	230	290	560	1300
Ammoniacal Nitrogen	µg/l	50	0.6	16	<50	1400	2	C4S, 44740; C4D, 44740		<50	170	<50	240	160	<50	<50	75	62	210	210	340	220	240	1000	1400
Nitrite	µg/l	20	0.01	16	<20	340	6	C3S, 44145; C3S, 44735; C3D, 44735; P10, 44735; C4S, 44740; C4D, 44740		33	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	97	65	58	340	320
Nitrate	µg/l	500	N/A	16	<500	26000	0			2400	<500	17000	1800	<500	16000	<500	5800	<500	26000	<500	3100	<500	<500	6000	2200
Phosphate	µg/l	200	No WSV	16	<200	350	0			<200	350	320	<200	250	290	<200	<200	210	280	<200	<200	320	<200	<200	<200
Phosphorus (Dissolved)	µg/l	20	0.008	16	<20	110	10	C3S, 44145; C3D, 44145; C4S, 44146; C3s, 44329; C3d, 44329; C4S, 44334; C4D, 44334; C3D, 44516; C4S, 44516; C3D, 44735		24	110	100	22	82	95	39	<20	69	91	<20	<20	100	<20	<20	<20
Sulphate	µg/l	1000	400	16	25000	95000	0			27000	36000	28000	53000	32000	25000	47000	34000	36000	25000	50000	32000	43000	95000	42000	61000
Total Oxidised Nitrogen	µg/l	200	No WSV	16	<200	5900	0			540	<200	3800	410	<200	3600	<200	1300	<200	5900	<200	720	<200	<200	1500	590
Cyanide (Free) Low-Level	µg/l	5	0.001	16	<5	<5	0			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Calcium	µg/l	5000	N/A	16	4600	680000	0			16000	37000	8100	48000	30000	5200	200000	10000	33000	6700	330000	5300	39000	680000	4600	150000
Potassium	µg/l	500	N/A	16	1700	17000	0			8600	1700	3300	11000	2000	2600	12000	5700	2000	2800	14000	3500	2200	17000	3000	11000
Magnesium	µg/l	500	N/A	16	1300	91000	0			27000	1300	5600	91000	2200	5200	13000	19000	1700	6200	19000	9100	2200	71000	6100	11000
Sodium	µg/l	500	N/A	16	21000	430000	0			110000	23000	24000	430000	25000	21000	53000	120000	24000	24000	120000	60000	26000	200000	25000	39000
Arsenic (Dissolved)	µg/l	1	0.05	16	<0.2	2.7	0			<1	1.8	<1	<0.2	1.3	0.6	0.86	<0.2	1.4	1.8	1.1	0.88	2.7	0.76	2.1	2.5
Boron (Dissolved)	µg/l	20	2	16	<10	920	0			42	<20	<20	41	14	14	34	900	760	920	830	29	<10	21	190	48
Cadmium (Dissolved)	µg/l	0.08	0.00025	16	<0.08	0.84	6	C3s, 44329; C3S, 44735; C3D, 44735; P10, 44735; C4S, 44740; C4D, 44740		0.13	<0.08	<0.08	0.46	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	0.65	0.84	0.35	0.42	0.62
Chromium (Dissolved)	µg/l	1	See Cr VI as first pass	16	<0.5	73	0			2.6	<1	2.9	7.1	6.8	73	45	<0.5	<0.5	<0.5	<0.5	5.8	<0.5	<0.5	6	9.1
Copper (Dissolved)	µg/l	1	0.029	16	<0.5	9.7	0			1.2	<1	<1	0.7	9.7	1.7	1.1	0.54	<0.5	3.8	3.5	1.2	<0.5	<0.5	0.61	1.8
Iron (Dissolved)	µg/l	20	1	16	<5	1300	1	C4D, 44516		350	170	<20	34	24	310	200	27	<5	670	1300	<5	<5	110	28	30
Manganese (Dissolved)	µg/l	1	0.211	16	<1	14000	4	C3s, 44329; C3S, 44516; C3S, 44735; P10, 44735		<1	160	1.9	14000	120	13	190	2300	110	78	100	870	210	590	34	150
Nickel (Dissolved)	µg/l	1	0.017	16	<0.5	31	3	C3s, 44329; C4S, 44334; C4D, 44334		16	<1	<1	24	3.9	31	20	5.8	<0.5	1.1	2.3	2	<0.5	1.1	3.5	5.3
Lead (Dissolved)	µg/l	1	0.01243	16	<0.5	1.9	0			<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	1.9	<0.5	1.2	<0.5	0.74	0.92
Selenium (Dissolved)	µg/l	0.5	N/A	0			0																		
Zinc (Dissolved)	µg/l	1	0.048	16	2.4	35	0			7.8	2.4	3.2	15	<3	<3	<3	13	<2.5	23	35	9.3	3.8	3.9	15	15
Mercury Low Level (Dissolved)	µg/l	0.01	0.00007	16	<0.01	<0.01	0			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Low-Level Chromium (Hexavalent) (Dissolved)	µg/l	0.1	0.0034	11	<0.1	5.3	2	C3s, 44329; C4S, 44334		<0.1	<0.1	0.95	4.4	0.38	5.3	<0.1	<0.1	<0.1	<0.1	<0.1					
Chromium (Trivalent) (Dissolved)	µg/l	1	0.0047	12	<1	68	6	C3d, 44329; C4S, 44334; C4D, 44334; C3S, 44735; C4S, 44740; C4D, 44740		3	<1	2	3	6	68	45					6	<1	<1	6	9
Chromium (Hexavalent) (Dissolved)	µg/l	20	0.0034	5	<20	<20	0														<20	<20	<20	<20	<20
Dissolved Organic Carbon Low Level	µg/l	N/A	No WSV	11	720	9700	0			5200	3300	3100	9700	720	730	910	3700	1000	1600	1900					
Total TPH >C6-C40	µg/l	10	No WSV	11	<10	<10	0			<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10					
Naphthalene	µg/l	0.01	0.002	16	<0.01	<0.01	0			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acenaphthylene	µg/l	0.01	Screen BaP only	16	<0.01	<0.01	0			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acenaphthene	µg/l	0.01	Screen BaP only	16	<0.01	<0.01	0			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Fluorene	µg/l	0.01	N/A	16	<0.01	<0.01	0			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Phenanthrene	µg/l	0.01	Screen BaP only	16	<0.01	<0.01	0			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Anthracene	µg/l	0.01	0.0001	16	<0.01	<0.01	0			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Fluoranthene	µg/l	0.01	0.0000063	16	<0.01	<0.01	0			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Pyrene	µg/l	0.01	N/A	16	<0.01	<0.01	0			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[a]anthracene	µg/l	0.01	Screen BaP only	16	<0.01	<0.01	0			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chrysene	µg/l	0.01	Screen BaP only	16	<0.01	<0.01	0			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo fluoranthene	µg/l	0.01	No WSV	16	<0.01	<0.01	0			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[k]fluoranthene	µg/l	0.01	Screen BaP only	16	<0.01	<0.01	0			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[a]pyrene	µg/l	0.01	0.00000017	16	<0.01	<0.01	0			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Indeno(1,2,3-c,d)Pyrene	µg/l	0.01	Screen BaP only	16	<0.01	<0.01	0			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenz(a,h)Anthracene	µg/l	0.01	N/A	16	<0.01	<0.01	0			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[g,h,i]perylene	µg/l	0.01	Screen BaP only	16	<0.01	<0.01	0			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Of 16 PAH's	µg/l	0.2	No WSV	16	<0.2	<0.2	0			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	µg/l	0.1	No WSV	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloromethane	µg/l	0.1	No WSV	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	µg/l	0.1	N/A	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromomethane	µg/l	2	No WSV	16	<2	<2	0			<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chloroethane	µg/l	0.2	No WSV	16	<0.2	<0.2	0			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichlorofluoromethane	µg/l	0.1	No WSV	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	µg/l	0.1	No WSV	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trans 1,2-Dichloroethene	µg/l	0.1	No WSV	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	µg/l	0.1	No WSV	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis 1,2-Dichloroethene	µg/l	0.1	No WSV	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromochloromethane	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
Trichloromethane	µg/l	0.1	0.0025	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	µg/l	0.1	0.1	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloromethane	µg/l	0.1	0.012	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloropropene	µg/l	0.1	No WSV	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	µg/l	0.1	0.01	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	µg/l	0.2	0.01	16	<0.2	<0.2	0			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene	µg/l	0.1	0.01	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	µg/l	0.1	N/A	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibromomethane	µg/l	0.1	No WSV	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromodichloromethane	µg/l	0.5	N/A	16	<0.5	<0.5	0			<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	<0.5	<0.5
cis-1,3-Dichloropropene	µg/l	1	No WSV	16	<1	<1	0			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	µg/l	0.1	0.074	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trans-1,3-Dichloropropene	µg/l	1	No WSV	16	<1	<1	0			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	µg/l	0.1	0.4	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	µg/l	0.1	0.01	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichloropropane	µg/l	0.2	No WSV	16	<0.2	<0.2	0			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dibromochloromethane	µg/l	1	N/A	16	<1	<1	0			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dibromoethane	µg/l	0.5	N/A	16	<0.5	<0.5	0			<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	<0.5	<0.5
Chlorobenzene	µg/l	0.1	N/A	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1,2-Tetrachloroethane	µg/l	0.2	No WSV	16	<0.2	<0.2	0			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	µg/l	0.1	0.02	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m & p-Xylene	µg/l	0.1	0.0003	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o-Xylene	µg/l	0.1	0.0003	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Styrene	µg/l	0.1	0.05	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tribromomethane	µg/l	1	No WSV	16	<1	<1	0			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Isopropylbenzene	µg/l	0.1	No WSV	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromobenzene	µg/l	0.1	No WSV	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	µg/l	5	No WSV	16	<5	<5	0			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
N-Propylbenzene	µg/l	0.1	No WSV	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Chlorotoluene	µg/l	0.1	No WSV	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3,5-Trimethylbenzene	µg/l	0.1	No WSV	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Chlorotoluene	µg/l	0.1	No WSV	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tert-Butylbenzene	µg/l	0.1	No WSV	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,4-Trimethylbenzene	µg/l	0.1	No WSV	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sec-Butylbenzene	µg/l	0.1	No WSV	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	µg/l	0.1	0.02	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Isopropyltoluene	µg/l	0.1	No WSV	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	µg/l	0.1	0.02	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
N-Butylbenzene	µg/l	0.1	No WSV	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	µg/l	0.1	0.02	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dibromo-3-Chloropropane	µg/l	5	N/A	16	<5	<5	0			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trichlorobenzene	µg/l	0.1	No WSV	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorobutadiene	µg/l	0.1	0.0006	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichlorobenzene	µg/l	0.2	No WSV	16	<0.2	<0.2	0			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methyl Tert-Butyl Ether	µg/l	0.1	No WSV	16	<0.1	<0.1	0			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
N-Nitrosodimethylamine	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
Phenol	µg/l	0.5	0.0077	16	<0.5	<0.5	0			<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	<0.5	<0.5
2-Chlorophenol	µg/l	0.5	0.05	16	<0.5	<0.5	0			<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	<0.5	<0.5
Bis-(2-Chloroethyl)Ether	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
1,3-Dichlorobenzene	µg/l	0.5	0.02	16	<0.5	<0.5	0			<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	<0.5	<0.5
1,4-Dichlorobenzene	µg/l	0.5	0.02	16	<0.5	<0.5	0			<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	<0.5	<0.5
1,2-Dichlorobenzene	µg/l	0.5	0.02	16	<0.5	<0.5	0			<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	<0.5	<0.5
2-Methylphenol (o-Cresol)	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
Bis(2-Chloroisopropyl)Ether	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
Hexachloroethane	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
N-Nitrosodi-n-propylamine	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
4-Methylphenol	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
Nitrobenzene	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
Isophorone	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
2-Nitrophenol	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
2,4-Dimethylphenol	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
Bis(2-Chloroethoxy)Methane	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
2,4-Dichlorophenol	µg/l	0.5	0.0042	16	<0.5	<0.5	0			<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	<0.5	<0.5
1,2,4-Trichlorobenzene	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
Naphthalene	µg/l	0.5	0.002	16	<0.5	<0.5	0			<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	<0.5	<0.5
4-Chloroaniline	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
Hexachlorobutadiene	µg/l	0.5	0.0006	16	<0.5	<0.5	0			<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	<0.5	<0.5
4-Chloro-3-Methylphenol	µg/l	0.5	0.04	16	<0.5	<0.5	0			<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	<0.5	<0.5
2-Methylnaphthalene	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
Hexachlorocyclopentadiene	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
2,4,6-Trichlorophenol	µg/l	0.5	N/A	16	<0.5	<0.5	0			<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	<0.5	<0.5
2,4,5-Trichlorophenol	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
2-Chloronaphthalene	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
2-Nitroaniline	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
Acenaphthylene	µg/l	0.5	Screen BaP only	16	<0.5	<0.5	0			<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	<0.5	<0.5
Dimethylphthalate	µg/l	0.5	0.8	16	<0.5	<0.5	0			<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	<0.5	<0.5
2,6-Dinitrotoluene	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
Acenaphthene	µg/l	0.5	Screen BaP only	16	<0.5	<0.5	0			<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	<0.5	<0.5
3-Nitroaniline	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
Dibenzofuran	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
4-Chlorophenylphenylether	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
2,4-Dinitrotoluene	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
Fluorene	µg/l	0.5	N/A	16	<0.5	<0.5	0			<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	<0.5	<0.5
Diethyl Phthalate	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
4-Nitroaniline	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
2-Methyl-4,6-Dinitrophenol	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
Azobenzene	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
4-Bromophenylphenyl Ether	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
Hexachlorobenzene	µg/l	0.5	0.00005	16	<0.5	<0.5	0			<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	<0.5	<0.5
Pentachlorophenol	µg/l	0.5	0.0004	16	<0.5	<0.5	0			<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	<0.5	<0.5
Phenanthrene	µg/l	0.5	Screen BaP only	16	<0.5	<0.5	0			<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	<0.5	<0.5
Anthracene	µg/l	0.5	0.0001	16	<0.5	<0.5	0			<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	<0.5	<0.5
Carbazole	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
Di-N-Butyl Phthalate	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
Fluoranthene	µg/l	0.5	0.0000063	16	<0.5	<0.5	0			<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	<0.5	<0.5
Pyrene	µg/l	0.5	N/A	16	<0.5	<0.5	0			<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	<0.5	<0.5
Butylbenzyl Phthalate	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
Benzo[a]anthracene	µg/l	0.5	Screen BaP only	16	<0.5	<0.5	0			<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	<0.5	<0.5
Chrysene	µg/l	0.5	Screen BaP only	16	<0.5	<0.5	0			<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	<0.5	<0.5
Bis(2-Ethylhexyl)Phthalate	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
Di-N-Octyl Phthalate	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
Benzo fluoranthene	µg/l	0.5	No WSV	16	<0.5	<0.5	0			<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	<0.5	<0.5
Benzo[k]fluoranthene	µg/l	0.5	Screen BaP only	16	<0.5	<0.5	0			<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	<0.5	<0.5

Assessment Criteria : *Freshwater EQS*

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	Location		C3S	C3D	C4S	C3s	C3d	C4S	C4D	C3S	C3D	C4S	C4D	C3S	C3D	P10	C4S	C4D
									Sample ID		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
									Depth		0.77 to -4.23	-8.63 to -18.43	-0.58 to -4.58	0.77 to -4.23	-8.63 to -18.43	-0.58 to -4.58	-11.98 to -22.08	0.77 to -4.23	-8.63 to -18.43	-0.58 to -4.58	-11.98 to -22.08	0.77 to -4.23	-8.63 to -18.43	0.04 to -1.02	-0.58 to -4.58	-11.98 to -22.08
									Date		10/11/2020	10/11/2020	11/11/2020	13/05/2021	13/05/2021	18/05/2021	18/05/2021	16/11/2021	16/11/2021	16/11/2021	16/11/2021	23/06/2022	23/06/2022	23/06/2022	28/06/2022	28/06/2022
									Strata																	
										Zone																
Benzo[a]pyrene (BaP)	µg/l	0.5	0.00000017	16	<0.5	<0.5	0				<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	<0.5	<0.5
Indeno(1,2,3-c,d)Pyrene	µg/l	0.5	Screen BaP only	16	<0.5	<0.5	0				<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	<0.5	<0.5
Dibenz(a,h)Anthracene	µg/l	0.5	N/A	16	<0.5	<0.5	0				<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	<0.5	<0.5
Benzo[g,h,i]perylene	µg/l	0.5	Screen BaP only	16	<0.5	<0.5	0				<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	<0.5	<0.5
4-Nitrophenol	µg/l	0.5	No WSV	16	<0.5	<0.5	0				<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	<0.5	<0.5
PCB 28	µg/l	0.01	No WSV	16	<0.01	<0.01	0				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 81	µg/l	0.01	No WSV	16	<0.01	<0.01	0				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 52	µg/l	0.01	No WSV	16	<0.01	<0.01	0				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 77	µg/l	0.01	No WSV	16	<0.01	<0.01	0				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 105	µg/l	0.01	No WSV	16	<0.01	<0.01	0				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 90+101	µg/l	0.01	No WSV	16	<0.01	<0.01	0				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 114	µg/l	0.01	No WSV	16	<0.01	<0.01	0				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 118	µg/l	0.01	No WSV	16	<0.01	<0.01	0				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 118	µg/l	0.01	No WSV	16	<0.01	<0.01	0				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 153	µg/l	0.01	No WSV	16	<0.01	<0.01	0				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 123	µg/l	0.01	No WSV	16	<0.01	<0.01	0				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 138	µg/l	0.01	No WSV	16	<0.01	<0.01	0				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 126	µg/l	0.01	No WSV	16	<0.01	<0.01	0				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 180	µg/l	0.01	No WSV	16	<0.01	<0.01	0				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 156	µg/l	0.01	No WSV	16	<0.01	<0.01	0				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 157	µg/l	0.01	No WSV	16	<0.01	<0.01	0				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 167	µg/l	0.01	No WSV	16	<0.01	<0.01	0				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 169	µg/l	0.01	No WSV	16	<0.01	<0.01	0				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 189	µg/l	0.01	No WSV	16	<0.01	<0.01	0				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total PCBs (12 Congeners)	µg/l	0.01	No WSV	16	<0.01	<0.01	0				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total PCBs (7 congeners)	µg/l	0.01	No WSV	16	<0.01	<0.01	0				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Phenols	µg/l	30	No WSV	16	<30	<30	0				<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30
Aggressive Dissolved CO2	µg/l	600	No WSV	4	<600	14000	0											2900	1500	<600	14000					
Benzene	µg/l	0.1	0.01	0			0																			
Toluene	µg/l	0.1	0.074	0			0																			
Ethylbenzene	µg/l	0.1	0.02	0			0																			
m & p-Xylene	µg/l	0.1	0.0003	0			0																			
o-Xylene	µg/l	0.1	0.0003	0			0																			
Total Organic Carbon	µg/l	2000	No WSV	0			0																			
Aliphatic TPH >C5-C6	µg/l	0.1	N/A	5	<0.1	<0.1	0															<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatic TPH >C6-C8	µg/l	0.1	N/A	5	<0.1	<0.1	0															<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatic TPH >C8-C10	µg/l	0.1	N/A	5	<0.1	<0.1	0															<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatic TPH >C10-C12	µg/l	0.1	N/A	5	<0.1	<0.1	0															<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatic TPH >C12-C16	µg/l	0.1	N/A	5	<0.1	<0.1	0															<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatic TPH >C16-C21	µg/l	0.1	N/A	5	<0.1	<0.1	0															<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatic TPH >C21-C35	µg/l	0.1	N/A	5	<0.1	<0.1	0															<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatic TPH >C35-C44	µg/l	0.1	N/A	5	<0.1	<0.1	0															<0.1	<0.1	<0.1	<0.1	<0.1
Total Aliphatic Hydrocarbons	µg/l	5	No WSV	5	<5	<5	0															<5	<5	<5	<5	<5
Aromatic TPH >C5-C7	µg/l	0.1	N/A	5	<0.1	<0.1	0															<0.1	<0.1	<0.1	<0.1	<0.1
Aromatic TPH >C7-C8	µg/l	0.1	N/A	5	<0.1	<0.1	0															<0.1	<0.1	<0.1	<0.1	<0.1
Aromatic TPH >C8-C10	µg/l	0.1	N/A	5	<0.1	<0.1	0															<0.1	<0.1	<0.1	<0.1	<0.1
Aromatic TPH >C10-C12	µg/l	0.1	N/A	5	<0.1	<0.1	0															<0.1	<0.1	<0.1	<0.1	<0.1
Aromatic TPH >C12-C16	µg/l	0.1	N/A	5	<0.1	<0.1	0															<0.1	<0.1	<0.1	<0.1	<0.1
Aromatic TPH >C16-C21	µg/l	0.1	N/A	5	<0.1	<0.1	0															<0.1	<0.1	<0.1	<0.1	<0.1
Aromatic TPH >C21-C35	µg/l	0.1	N/A	5	<0.1	<0.1	0															<0.1	<0.1	<0.1	<0.1	<0.1
Aromatic TPH >C35-C44	µg/l	0.1	N/A	5	<0.1	<0.1	0															<0.1	<0.1	<0.1	<0.1	<0.1
Total Aromatic Hydrocarbons	µg/l	5	No WSV	5	<5	<5	0															<5	<5	<5	<5	<5
Total Petroleum Hydrocarbons	µg/l	10	No WSV	5	<10	<10	0															<10	<10	<10	<10	<10

WSV = Water Screening Value, in this case the lowest freshwater Environmental Quanlity Standard (EQS).

1000

BaP = Benzo(a)pyrene

PAH = Polycyclic aromatic hydrocarbon

blue highlight indicates LOD is greater than the WSV

Appendix D. Laboratory Sheets

Eurofins Chemtest Ltd
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.com

Final Report

Report No.:	20-30618-1
Initial Date of Issue:	18-Nov-2020
Client	Atkins Ltd
Client Address:	The Axis 10 Holliday Street Birmingham West Midlands B1 1TF
Contact(s):	Jenny Wilcox
Project	5185703
Quotation No.:	Q20-21888
Date Received:	12-Nov-2020
Order No.:	5185703.001.17112020
Date Instructed:	12-Nov-2020
No. of Samples:	1
Turnaround (Wkdays):	5
Results Due:	18-Nov-2020
Date Approved:	18-Nov-2020
Approved By:	
Details:	Glynn Harvey, Technical Manager

Eurofins Chemtest Ltd
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.com

Final Report

Report No.:	20-30618-1
Initial Date of Issue:	18-Nov-2020
Client	Atkins Ltd
Client Address:	The Axis 10 Holliday Street Birmingham West Midlands B1 1TF
Contact(s):	Jenny Wilcox
Project	5185703
Quotation No.:	Q20-21888
Date Received:	12-Nov-2020
Order No.:	5185703.001.17112020
Date Instructed:	12-Nov-2020
No. of Samples:	1
Turnaround (Wkdays):	5
Results Due:	18-Nov-2020
Date Approved:	18-Nov-2020
Approved By:	
Details:	Glynn Harvey, Technical Manager

Results - Water

Project: 5185703

Client: Atkins Ltd			**Chemtest Job No.:**		20-30618
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1095141
			Sample Location:		C3D
			Sample Type:		WATER
			Top Depth (m):		16.00
			Bottom Depth (m):		16.00
			Date Sampled:		10-Nov-2020
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
pH	U	1010		N/A	8.2
Electrical Conductivity	U	1020	µS/cm	1.0	360
Suspended Solids At 105C	U	1030	mg/l	5.0	28
Alkalinity (Total)	U	1220	mg/l	10	78
Chloride	U	1220	mg/l	1.0	53
Ammonium	U	1220	mg/l	0.050	0.20
Ammoniacal Nitrogen	U	1220	mg/l	0.050	0.17
Nitrite	U	1220	mg/l	0.020	< 0.020
Nitrate	U	1220	mg/l	0.50	< 0.50
Phosphate	U	1220	mg/l	0.200	0.35
Phosphorus (Dissolved)	U	1220	mg/l	0.020	0.11
Sulphate	U	1220	mg/l	1.0	36
Total Oxidised Nitrogen	U	1220	mg/l	0.20	< 0.20
Cyanide (Free) Low-Level	N	1300	mg/l	0.0050	< 0.0050
Calcium	U	1415	mg/l	5.0	37
Potassium	U	1415	mg/l	0.50	1.7
Magnesium	U	1415	mg/l	0.50	1.3
Sodium	U	1415	mg/l	0.50	23
Arsenic (Dissolved)	U	1450	µg/l	1.0	1.8
Boron (Dissolved)	U	1450	µg/l	20	< 20
Cadmium (Dissolved)	U	1450	µg/l	0.080	< 0.080
Chromium (Dissolved)	U	1450	µg/l	1.0	< 1.0
Copper (Dissolved)	U	1450	µg/l	1.0	< 1.0
Iron (Dissolved)	N	1450	µg/l	20	170
Manganese (Dissolved)	U	1450	µg/l	1.0	160
Nickel (Dissolved)	U	1450	µg/l	1.0	< 1.0
Lead (Dissolved)	U	1450	µg/l	1.0	< 1.0
Zinc (Dissolved)	U	1450	µg/l	1.0	2.4
Mercury Low Level	U	1460	µg/l	0.010	< 0.010
Low-Level Chromium (Hexavalent)	U	1495	µg/l	0.10	< 0.10
Chromium (Trivalent)	U	1450	µg/l	1	< 1
Dissolved Organic Carbon Low Level	N	1610	mg/l	N/A	3.3
Total TPH >C6-C40	U	1670	µg/l	10	< 10
Naphthalene	N	1700	µg/l	0.010	< 0.010
Acenaphthylene	N	1700	µg/l	0.010	< 0.010
Acenaphthene	N	1700	µg/l	0.010	< 0.010
Fluorene	N	1700	µg/l	0.010	< 0.010
Phenanthrene	N	1700	µg/l	0.010	< 0.010
Anthracene	N	1700	µg/l	0.010	< 0.010

Results - Water

Project: 5185703

Client: Atkins Ltd			**Chemtest Job No.:**		20-30618
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1095141
			Sample Location:		C3D
			Sample Type:		WATER
			Top Depth (m):		16.00
			Bottom Depth (m):		16.00
			Date Sampled:		10-Nov-2020
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
Fluoranthene	N	1700	µg/l	0.010	< 0.010
Pyrene	N	1700	µg/l	0.010	< 0.010
Benzo[a]anthracene	N	1700	µg/l	0.010	< 0.010
Chrysene	N	1700	µg/l	0.010	< 0.010
Benzo[b]fluoranthene	N	1700	µg/l	0.010	< 0.010
Benzo[k]fluoranthene	N	1700	µg/l	0.010	< 0.010
Benzo[a]pyrene	N	1700	µg/l	0.010	< 0.010
Indeno(1,2,3-c,d)Pyrene	N	1700	µg/l	0.010	< 0.010
Dibenz(a,h)Anthracene	N	1700	µg/l	0.010	< 0.010
Benzo[g,h,i]perylene	N	1700	µg/l	0.010	< 0.010
Total Of 16 PAH's	N	1700	µg/l	0.20	< 0.20
Dichlorodifluoromethane	N	1760	µg/l	0.10	< 0.10
Chloromethane	N	1760	µg/l	0.10	< 0.10
Vinyl Chloride	N	1760	µg/l	0.10	< 0.10
Bromomethane	N	1760	µg/l	2.0	< 2.0
Chloroethane	N	1760	µg/l	0.20	< 0.20
Trichlorofluoromethane	N	1760	µg/l	0.10	< 0.10
1,1-Dichloroethene	N	1760	µg/l	0.10	< 0.10
Trans 1,2-Dichloroethene	N	1760	µg/l	0.10	< 0.10
1,1-Dichloroethane	N	1760	µg/l	0.10	< 0.10
cis 1,2-Dichloroethene	N	1760	µg/l	0.10	< 0.10
Bromochloromethane	N	1760	µg/l	0.50	< 0.50
Trichloromethane	N	1760	µg/l	0.10	< 0.10
1,1,1-Trichloroethane	N	1760	µg/l	0.10	< 0.10
Tetrachloromethane	N	1760	µg/l	0.10	< 0.10
1,1-Dichloropropene	N	1760	µg/l	0.10	< 0.10
Benzene	N	1760	µg/l	0.10	< 0.10
1,2-Dichloroethane	N	1760	µg/l	0.20	< 0.20
Trichloroethene	N	1760	µg/l	0.10	< 0.10
1,2-Dichloropropane	N	1760	µg/l	0.10	< 0.10
Dibromomethane	N	1760	µg/l	0.10	< 0.10
Bromodichloromethane	N	1760	µg/l	0.50	< 0.50
cis-1,3-Dichloropropene	N	1760	µg/l	1.0	< 1.0
Toluene	N	1760	µg/l	0.10	< 0.10
Trans-1,3-Dichloropropene	N	1760	µg/l	1.0	< 1.0
1,1,2-Trichloroethane	N	1760	µg/l	0.1	< 0.1
Tetrachloroethene	N	1760	µg/l	0.10	< 0.10
1,3-Dichloropropane	N	1760	µg/l	0.20	< 0.20
Dibromochloromethane	N	1760	µg/l	1.0	< 1.0

Results - Water

Project: 5185703

Client: Atkins Ltd			**Chemtest Job No.:**		20-30618
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1095141
			Sample Location:		C3D
			Sample Type:		WATER
			Top Depth (m):		16.00
			Bottom Depth (m):		16.00
			Date Sampled:		10-Nov-2020
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
1,2-Dibromoethane	N	1760	µg/l	0.50	< 0.50
Chlorobenzene	N	1760	µg/l	0.10	< 0.10
1,1,1,2-Tetrachloroethane	N	1760	µg/l	0.20	< 0.20
Ethylbenzene	N	1760	µg/l	0.10	< 0.10
m & p-Xylene	N	1760	µg/l	0.10	< 0.10
o-Xylene	N	1760	µg/l	0.10	< 0.10
Styrene	N	1760	µg/l	0.10	< 0.10
Tribromomethane	N	1760	µg/l	1.0	< 1.0
Isopropylbenzene	N	1760	µg/l	0.10	< 0.10
Bromobenzene	N	1760	µg/l	0.10	< 0.10
1,2,3-Trichloropropane	N	1760	µg/l	5.0	< 5.0
N-Propylbenzene	N	1760	µg/l	0.10	< 0.10
2-Chlorotoluene	N	1760	µg/l	0.10	< 0.10
1,3,5-Trimethylbenzene	N	1760	µg/l	0.10	< 0.10
4-Chlorotoluene	N	1760	µg/l	0.10	< 0.10
Tert-Butylbenzene	N	1760	µg/l	0.10	< 0.10
1,2,4-Trimethylbenzene	N	1760	µg/l	0.10	< 0.10
Sec-Butylbenzene	N	1760	µg/l	0.10	< 0.10
1,3-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10
4-Isopropyltoluene	N	1760	µg/l	0.10	< 0.10
1,4-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10
N-Butylbenzene	N	1760	µg/l	0.10	< 0.10
1,2-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10
1,2-Dibromo-3-Chloropropane	N	1760	µg/l	5.0	< 5.0
1,2,4-Trichlorobenzene	N	1760	µg/l	0.10	< 0.10
Hexachlorobutadiene	N	1760	µg/l	0.10	< 0.10
1,2,3-Trichlorobenzene	N	1760	µg/l	0.20	< 0.20
Methyl Tert-Butyl Ether	N	1760	µg/l	0.10	< 0.10
N-Nitrosodimethylamine	N	1790	µg/l	0.50	< 0.50
Phenol	N	1790	µg/l	0.50	< 0.50
2-Chlorophenol	N	1790	µg/l	0.50	< 0.50
Bis-(2-Chloroethyl)Ether	N	1790	µg/l	0.50	< 0.50
1,3-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50
1,4-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50
1,2-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50
2-Methylphenol (o-Cresol)	N	1790	µg/l	0.50	< 0.50
Bis(2-Chloroisopropyl)Ether	N	1790	µg/l	0.50	< 0.50
Hexachloroethane	N	1790	µg/l	0.50	< 0.50
N-Nitrosodi-n-propylamine	N	1790	µg/l	0.50	< 0.50

Results - Water

Project: 5185703

Client: Atkins Ltd			**Chemtest Job No.:**		20-30618
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1095141
			Sample Location:		C3D
			Sample Type:		WATER
			Top Depth (m):		16.00
			Bottom Depth (m):		16.00
			Date Sampled:		10-Nov-2020
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
4-Methylphenol	N	1790	µg/l	0.50	< 0.50
Nitrobenzene	N	1790	µg/l	0.50	< 0.50
Isophorone	N	1790	µg/l	0.50	< 0.50
2-Nitrophenol	N	1790	µg/l	0.50	< 0.50
2,4-Dimethylphenol	N	1790	µg/l	0.50	< 0.50
Bis(2-Chloroethoxy)Methane	N	1790	µg/l	0.50	< 0.50
2,4-Dichlorophenol	N	1790	µg/l	0.50	< 0.50
1,2,4-Trichlorobenzene	N	1790	µg/l	0.50	< 0.50
Naphthalene	N	1790	µg/l	0.50	< 0.50
4-Chloroaniline	N	1790	µg/l	0.50	< 0.50
Hexachlorobutadiene	N	1790	µg/l	0.50	< 0.50
4-Chloro-3-Methylphenol	N	1790	µg/l	0.50	< 0.50
2-Methylnaphthalene	N	1790	µg/l	0.50	< 0.50
Hexachlorocyclopentadiene	N	1790	µg/l	0.50	< 0.50
2,4,6-Trichlorophenol	N	1790	µg/l	0.50	< 0.50
2,4,5-Trichlorophenol	N	1790	µg/l	0.50	< 0.50
2-Chloronaphthalene	N	1790	µg/l	0.50	< 0.50
2-Nitroaniline	N	1790	µg/l	0.50	< 0.50
Acenaphthylene	N	1790	µg/l	0.50	< 0.50
Dimethylphthalate	N	1790	µg/l	0.50	< 0.50
2,6-Dinitrotoluene	N	1790	µg/l	0.50	< 0.50
Acenaphthene	N	1790	µg/l	0.50	< 0.50
3-Nitroaniline	N	1790	µg/l	0.50	< 0.50
Dibenzofuran	N	1790	µg/l	0.50	< 0.50
4-Chlorophenylphenylether	N	1790	µg/l	0.50	< 0.50
2,4-Dinitrotoluene	N	1790	µg/l	0.50	< 0.50
Fluorene	N	1790	µg/l	0.50	< 0.50
Diethyl Phthalate	N	1790	µg/l	0.50	< 0.50
4-Nitroaniline	N	1790	µg/l	0.50	< 0.50
2-Methyl-4,6-Dinitrophenol	N	1790	µg/l	0.50	< 0.50
Azobenzene	N	1790	µg/l	0.50	< 0.50
4-Bromophenylphenyl Ether	N	1790	µg/l	0.50	< 0.50
Hexachlorobenzene	N	1790	µg/l	0.50	< 0.50
Pentachlorophenol	N	1790	µg/l	0.50	< 0.50
Phenanthrene	N	1790	µg/l	0.50	< 0.50
Anthracene	N	1790	µg/l	0.50	< 0.50
Carbazole	N	1790	µg/l	0.50	< 0.50
Di-N-Butyl Phthalate	N	1790	µg/l	0.50	< 0.50
Fluoranthene	N	1790	µg/l	0.50	< 0.50

Results - Water

Project: 5185703

Client: Atkins Ltd			**Chemtest Job No.:**		20-30618
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1095141
			Sample Location:		C3D
			Sample Type:		WATER
			Top Depth (m):		16.00
			Bottom Depth (m):		16.00
			Date Sampled:		10-Nov-2020
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
Pyrene	N	1790	µg/l	0.50	< 0.50
Butylbenzyl Phthalate	N	1790	µg/l	0.50	< 0.50
Benzo[a]anthracene	N	1790	µg/l	0.50	< 0.50
Chrysene	N	1790	µg/l	0.50	< 0.50
Bis(2-Ethylhexyl)Phthalate	N	1790	µg/l	0.50	< 0.50
Di-N-Octyl Phthalate	N	1790	µg/l	0.50	< 0.50
Benzo[b]fluoranthene	N	1790	µg/l	0.50	< 0.50
Benzo[k]fluoranthene	N	1790	µg/l	0.50	< 0.50
Benzo[a]pyrene	N	1790	µg/l	0.50	< 0.50
Indeno(1,2,3-c,d)Pyrene	N	1790	µg/l	0.50	< 0.50
Dibenz(a,h)Anthracene	N	1790	µg/l	0.50	< 0.50
Benzo[g,h,i]perylene	N	1790	µg/l	0.50	< 0.50
4-Nitrophenol	N	1790	µg/l	0.50	< 0.50
PCB 28	N	1815	µg/l	0.010	< 0.010
PCB 81	N	1815	µg/l	0.010	< 0.010
PCB 52	N	1815	µg/l	0.010	< 0.010
PCB 77	N	1815	µg/l	0.010	< 0.010
PCB 105	N	1815	µg/l	0.010	< 0.010
PCB 90+101	N	1815	µg/l	0.010	< 0.010
PCB 114	N	1815	µg/l	0.010	< 0.010
PCB 118	N	1815	µg/l	0.010	< 0.010
PCB 118	N	1815	µg/l	0.010	< 0.010
PCB 153	N	1815	µg/l	0.010	< 0.010
PCB 123	N	1815	µg/l	0.010	< 0.010
PCB 138	N	1815	µg/l	0.010	< 0.010
PCB 126	N	1815	µg/l	0.010	< 0.010
PCB 180	N	1815	µg/l	0.010	< 0.010
PCB 156	N	1815	µg/l	0.010	< 0.010
PCB 157	N	1815	µg/l	0.010	< 0.010
PCB 167	N	1815	µg/l	0.010	< 0.010
PCB 169	N	1815	µg/l	0.010	< 0.010
PCB 189	N	1815	µg/l	0.010	< 0.010
Total PCBs (12 Congeners)	N	1815	µg/l	0.010	< 0.010
Total PCBs (7 congeners)	N	1815	µg/l	0.010	< 0.010
Total Phenols	U	1920	mg/l	0.030	< 0.030

Test Methods

SOP	Title	Parameters included	Method summary
1010	pH Value of Waters	pH	pH Meter
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Conductivity Meter
1030	Total Suspended Solids	Total suspended solids	Filtration of a mixed sample through a standard glass fibre filter and determination of the mass of residue retained dried at 105°C.
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.
1300	Cyanides & Thiocyanate in Waters	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Continuous Flow Analysis.
1415	Cations in Waters by ICP-MS	Sodium; Potassium; Calcium; Magnesium	Direct determination by inductively coupled plasma - mass spectrometry (ICP-MS).
1450	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).
1460	Mercury low-level in Waters by AFS	Mercury	Atomic Fluorescence Spectrometry, with collimated UV source, wavelength 253.7 nm.
1495	Low Level Hexavalent Chromium in Waters	Chromium [VI]	Colorimetric determination of hexavalent chromium expressed as Cr (VI) µg/l in water, using Ion Chromatography and UV-visible spectrophotometry.
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation
1670	Total Petroleum Hydrocarbons (TPH) in Waters by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO	Pentane extraction / GC FID detection
1700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Waters by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
1760	Volatile Organic Compounds (VOCs) in Waters by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics. (cf. USEPA Method 8260)	Automated headspace gas chromatographic (GC) analysis of water samples with mass spectrometric (MS) detection of volatile organic compounds.
1790	Semi-Volatile Organic Compounds (SVOCs) in Waters by GC-MS	Semi-volatile organic compounds	Solvent extraction / GCMS detection
1815	Polychlorinated Biphenyls (PCB) ICES7 Congeners in Waters by GC-MS	ICES7 PCB congeners	Solvent extraction / GCMS detection
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at the indicated laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container
E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

Eurofins Chemtest Ltd
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.com

Final Report

Report No.:	20-30686-1		
Initial Date of Issue:	20-Nov-2020		
Client	Atkins Ltd		
Client Address:	The Axis 10 Holliday Street Birmingham West Midlands B1 1TF		
Contact(s):	Jenny Wilcox		
Project	5185703 Sizewell C		
Quotation No.:	Q20-21888	**Date Received:**	12-Nov-2020
Order No.:	5185703.001.17112020	**Date Instructed:**	12-Nov-2020
No. of Samples:	1		
Turnaround (Wkdays):	5	**Results Due:**	18-Nov-2020
Date Approved:	18-Nov-2020		

Approved By:

Details: Glynn Harvey, Technical Manager

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		20-30686
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1095421
			Sample Location:		C3S
			Sample Type:		WATER
			Top Depth (m):		6.00
			Bottom Depth (m):		6.00
			Date Sampled:		10-Nov-2020
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
pH	U	1010		N/A	5.9
Electrical Conductivity	U	1020	µS/cm	1.0	1300
Suspended Solids At 105C	U	1030	mg/l	5.0	9.0
Alkalinity (Total)	U	1220	mg/l	10	< 10
Chloride	U	1220	mg/l	1.0	380
Ammonium	U	1220	mg/l	0.050	0.063
Ammoniacal Nitrogen	U	1220	mg/l	0.050	< 0.050
Nitrite	U	1220	mg/l	0.020	0.033
Nitrate	U	1220	mg/l	0.50	2.4
Phosphate	U	1220	mg/l	0.200	< 0.20
Phosphorus (Dissolved)	U	1220	mg/l	0.020	0.024
Sulphate	U	1220	mg/l	1.0	27
Total Oxidised Nitrogen	U	1220	mg/l	0.20	0.54
Cyanide (Free) Low-Level	N	1300	mg/l	0.0050	< 0.0050
Calcium	U	1415	mg/l	5.0	16
Potassium	U	1415	mg/l	0.50	8.6
Magnesium	U	1415	mg/l	0.50	27
Sodium	U	1415	mg/l	0.50	110
Arsenic (Dissolved)	U	1450	µg/l	1.0	< 1.0
Boron (Dissolved)	U	1450	µg/l	20	42
Cadmium (Dissolved)	U	1450	µg/l	0.080	0.13
Chromium (Dissolved)	U	1450	µg/l	1.0	2.6
Copper (Dissolved)	U	1450	µg/l	1.0	1.2
Iron (Dissolved)	N	1450	µg/l	20	350
Manganese (Dissolved)	U	1450	µg/l	1.0	< 1.0
Nickel (Dissolved)	U	1450	µg/l	1.0	16
Lead (Dissolved)	U	1450	µg/l	1.0	< 1.0
Zinc (Dissolved)	U	1450	µg/l	1.0	7.8
Mercury Low Level	U	1460	µg/l	0.010	< 0.010
Low-Level Chromium (Hexavalent)	U	1495	µg/l	0.10	< 0.10
Chromium (Trivalent)	U	1450	µg/l	1	3
Dissolved Organic Carbon Low Level	N	1610	mg/l	N/A	5.2
Total TPH >C6-C40	U	1670	µg/l	10	< 10
Naphthalene	N	1700	µg/l	0.010	< 0.010
Acenaphthylene	N	1700	µg/l	0.010	< 0.010
Acenaphthene	N	1700	µg/l	0.010	< 0.010
Fluorene	N	1700	µg/l	0.010	< 0.010
Phenanthrene	N	1700	µg/l	0.010	< 0.010
Anthracene	N	1700	µg/l	0.010	< 0.010

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		20-30686
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1095421
			Sample Location:		C3S
			Sample Type:		WATER
			Top Depth (m):		6.00
			Bottom Depth (m):		6.00
			Date Sampled:		10-Nov-2020
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
Fluoranthene	N	1700	µg/l	0.010	< 0.010
Pyrene	N	1700	µg/l	0.010	< 0.010
Benzo[a]anthracene	N	1700	µg/l	0.010	< 0.010
Chrysene	N	1700	µg/l	0.010	< 0.010
Benzo[b]fluoranthene	N	1700	µg/l	0.010	< 0.010
Benzo[k]fluoranthene	N	1700	µg/l	0.010	< 0.010
Benzo[a]pyrene	N	1700	µg/l	0.010	< 0.010
Indeno(1,2,3-c,d)Pyrene	N	1700	µg/l	0.010	< 0.010
Dibenz(a,h)Anthracene	N	1700	µg/l	0.010	< 0.010
Benzo[g,h,i]perylene	N	1700	µg/l	0.010	< 0.010
Total Of 16 PAH's	N	1700	µg/l	0.20	< 0.20
Dichlorodifluoromethane	N	1760	µg/l	0.10	< 0.10
Chloromethane	N	1760	µg/l	0.10	< 0.10
Vinyl Chloride	N	1760	µg/l	0.10	< 0.10
Bromomethane	N	1760	µg/l	2.0	< 2.0
Chloroethane	N	1760	µg/l	0.20	< 0.20
Trichlorofluoromethane	N	1760	µg/l	0.10	< 0.10
1,1-Dichloroethene	N	1760	µg/l	0.10	< 0.10
Trans 1,2-Dichloroethene	N	1760	µg/l	0.10	< 0.10
1,1-Dichloroethane	N	1760	µg/l	0.10	< 0.10
cis 1,2-Dichloroethene	N	1760	µg/l	0.10	< 0.10
Bromochloromethane	N	1760	µg/l	0.50	< 0.50
Trichloromethane	N	1760	µg/l	0.10	< 0.10
1,1,1-Trichloroethane	N	1760	µg/l	0.10	< 0.10
Tetrachloromethane	N	1760	µg/l	0.10	< 0.10
1,1-Dichloropropene	N	1760	µg/l	0.10	< 0.10
Benzene	N	1760	µg/l	0.10	< 0.10
1,2-Dichloroethane	N	1760	µg/l	0.20	< 0.20
Trichloroethene	N	1760	µg/l	0.10	< 0.10
1,2-Dichloropropane	N	1760	µg/l	0.10	< 0.10
Dibromomethane	N	1760	µg/l	0.10	< 0.10
Bromodichloromethane	N	1760	µg/l	0.50	< 0.50
cis-1,3-Dichloropropene	N	1760	µg/l	1.0	< 1.0
Toluene	N	1760	µg/l	0.10	< 0.10
Trans-1,3-Dichloropropene	N	1760	µg/l	1.0	< 1.0
1,1,2-Trichloroethane	N	1760	µg/l	0.1	< 0.1
Tetrachloroethene	N	1760	µg/l	0.10	< 0.10
1,3-Dichloropropane	N	1760	µg/l	0.20	< 0.20
Dibromochloromethane	N	1760	µg/l	1.0	< 1.0

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		20-30686
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1095421
			Sample Location:		C3S
			Sample Type:		WATER
			Top Depth (m):		6.00
			Bottom Depth (m):		6.00
			Date Sampled:		10-Nov-2020
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
1,2-Dibromoethane	N	1760	µg/l	0.50	< 0.50
Chlorobenzene	N	1760	µg/l	0.10	< 0.10
1,1,1,2-Tetrachloroethane	N	1760	µg/l	0.20	< 0.20
Ethylbenzene	N	1760	µg/l	0.10	< 0.10
m & p-Xylene	N	1760	µg/l	0.10	< 0.10
o-Xylene	N	1760	µg/l	0.10	< 0.10
Styrene	N	1760	µg/l	0.10	< 0.10
Tribromomethane	N	1760	µg/l	1.0	< 1.0
Isopropylbenzene	N	1760	µg/l	0.10	< 0.10
Bromobenzene	N	1760	µg/l	0.10	< 0.10
1,2,3-Trichloropropane	N	1760	µg/l	5.0	< 5.0
N-Propylbenzene	N	1760	µg/l	0.10	< 0.10
2-Chlorotoluene	N	1760	µg/l	0.10	< 0.10
1,3,5-Trimethylbenzene	N	1760	µg/l	0.10	< 0.10
4-Chlorotoluene	N	1760	µg/l	0.10	< 0.10
Tert-Butylbenzene	N	1760	µg/l	0.10	< 0.10
1,2,4-Trimethylbenzene	N	1760	µg/l	0.10	< 0.10
Sec-Butylbenzene	N	1760	µg/l	0.10	< 0.10
1,3-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10
4-Isopropyltoluene	N	1760	µg/l	0.10	< 0.10
1,4-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10
N-Butylbenzene	N	1760	µg/l	0.10	< 0.10
1,2-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10
1,2-Dibromo-3-Chloropropane	N	1760	µg/l	5.0	< 5.0
1,2,4-Trichlorobenzene	N	1760	µg/l	0.10	< 0.10
Hexachlorobutadiene	N	1760	µg/l	0.10	< 0.10
1,2,3-Trichlorobenzene	N	1760	µg/l	0.20	< 0.20
Methyl Tert-Butyl Ether	N	1760	µg/l	0.10	< 0.10
N-Nitrosodimethylamine	N	1790	µg/l	0.50	< 0.50
Phenol	N	1790	µg/l	0.50	< 0.50
2-Chlorophenol	N	1790	µg/l	0.50	< 0.50
Bis-(2-Chloroethyl)Ether	N	1790	µg/l	0.50	< 0.50
1,3-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50
1,4-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50
1,2-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50
2-Methylphenol (o-Cresol)	N	1790	µg/l	0.50	< 0.50
Bis(2-Chloroisopropyl)Ether	N	1790	µg/l	0.50	< 0.50
Hexachloroethane	N	1790	µg/l	0.50	< 0.50
N-Nitrosodi-n-propylamine	N	1790	µg/l	0.50	< 0.50

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		20-30686
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1095421
			Sample Location:		C3S
			Sample Type:		WATER
			Top Depth (m):		6.00
			Bottom Depth (m):		6.00
			Date Sampled:		10-Nov-2020
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
4-Methylphenol	N	1790	µg/l	0.50	< 0.50
Nitrobenzene	N	1790	µg/l	0.50	< 0.50
Isophorone	N	1790	µg/l	0.50	< 0.50
2-Nitrophenol	N	1790	µg/l	0.50	< 0.50
2,4-Dimethylphenol	N	1790	µg/l	0.50	< 0.50
Bis(2-Chloroethoxy)Methane	N	1790	µg/l	0.50	< 0.50
2,4-Dichlorophenol	N	1790	µg/l	0.50	< 0.50
1,2,4-Trichlorobenzene	N	1790	µg/l	0.50	< 0.50
Naphthalene	N	1790	µg/l	0.50	< 0.50
4-Chloroaniline	N	1790	µg/l	0.50	< 0.50
Hexachlorobutadiene	N	1790	µg/l	0.50	< 0.50
4-Chloro-3-Methylphenol	N	1790	µg/l	0.50	< 0.50
2-Methylnaphthalene	N	1790	µg/l	0.50	< 0.50
Hexachlorocyclopentadiene	N	1790	µg/l	0.50	< 0.50
2,4,6-Trichlorophenol	N	1790	µg/l	0.50	< 0.50
2,4,5-Trichlorophenol	N	1790	µg/l	0.50	< 0.50
2-Chloronaphthalene	N	1790	µg/l	0.50	< 0.50
2-Nitroaniline	N	1790	µg/l	0.50	< 0.50
Acenaphthylene	N	1790	µg/l	0.50	< 0.50
Dimethylphthalate	N	1790	µg/l	0.50	< 0.50
2,6-Dinitrotoluene	N	1790	µg/l	0.50	< 0.50
Acenaphthene	N	1790	µg/l	0.50	< 0.50
3-Nitroaniline	N	1790	µg/l	0.50	< 0.50
Dibenzofuran	N	1790	µg/l	0.50	< 0.50
4-Chlorophenylphenylether	N	1790	µg/l	0.50	< 0.50
2,4-Dinitrotoluene	N	1790	µg/l	0.50	< 0.50
Fluorene	N	1790	µg/l	0.50	< 0.50
Diethyl Phthalate	N	1790	µg/l	0.50	< 0.50
4-Nitroaniline	N	1790	µg/l	0.50	< 0.50
2-Methyl-4,6-Dinitrophenol	N	1790	µg/l	0.50	< 0.50
Azobenzene	N	1790	µg/l	0.50	< 0.50
4-Bromophenylphenyl Ether	N	1790	µg/l	0.50	< 0.50
Hexachlorobenzene	N	1790	µg/l	0.50	< 0.50
Pentachlorophenol	N	1790	µg/l	0.50	< 0.50
Phenanthrene	N	1790	µg/l	0.50	< 0.50
Anthracene	N	1790	µg/l	0.50	< 0.50
Carbazole	N	1790	µg/l	0.50	< 0.50
Di-N-Butyl Phthalate	N	1790	µg/l	0.50	< 0.50
Fluoranthene	N	1790	µg/l	0.50	< 0.50

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		20-30686
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1095421
			Sample Location:		C3S
			Sample Type:		WATER
			Top Depth (m):		6.00
			Bottom Depth (m):		6.00
			Date Sampled:		10-Nov-2020
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
Pyrene	N	1790	µg/l	0.50	< 0.50
Butylbenzyl Phthalate	N	1790	µg/l	0.50	< 0.50
Benzo[a]anthracene	N	1790	µg/l	0.50	< 0.50
Chrysene	N	1790	µg/l	0.50	< 0.50
Bis(2-Ethylhexyl)Phthalate	N	1790	µg/l	0.50	< 0.50
Di-N-Octyl Phthalate	N	1790	µg/l	0.50	< 0.50
Benzo[b]fluoranthene	N	1790	µg/l	0.50	< 0.50
Benzo[k]fluoranthene	N	1790	µg/l	0.50	< 0.50
Benzo[a]pyrene	N	1790	µg/l	0.50	< 0.50
Indeno(1,2,3-c,d)Pyrene	N	1790	µg/l	0.50	< 0.50
Dibenz(a,h)Anthracene	N	1790	µg/l	0.50	< 0.50
Benzo[g,h,i]perylene	N	1790	µg/l	0.50	< 0.50
4-Nitrophenol	N	1790	µg/l	0.50	< 0.50
PCB 28	N	1815	µg/l	0.010	< 0.010
PCB 81	N	1815	µg/l	0.010	< 0.010
PCB 52	N	1815	µg/l	0.010	< 0.010
PCB 77	N	1815	µg/l	0.010	< 0.010
PCB 105	N	1815	µg/l	0.010	< 0.010
PCB 90+101	N	1815	µg/l	0.010	< 0.010
PCB 114	N	1815	µg/l	0.010	< 0.010
PCB 118	N	1815	µg/l	0.010	< 0.010
PCB 118	N	1815	µg/l	0.010	< 0.010
PCB 153	N	1815	µg/l	0.010	< 0.010
PCB 123	N	1815	µg/l	0.010	< 0.010
PCB 138	N	1815	µg/l	0.010	< 0.010
PCB 126	N	1815	µg/l	0.010	< 0.010
PCB 180	N	1815	µg/l	0.010	< 0.010
PCB 156	N	1815	µg/l	0.010	< 0.010
PCB 157	N	1815	µg/l	0.010	< 0.010
PCB 167	N	1815	µg/l	0.010	< 0.010
PCB 169	N	1815	µg/l	0.010	< 0.010
PCB 189	N	1815	µg/l	0.010	< 0.010
Total PCBs (12 Congeners)	N	1815	µg/l	0.010	< 0.010
Total PCBs (7 congeners)	N	1815	µg/l	0.010	< 0.010
Total Phenols	U	1920	mg/l	0.030	< 0.030

Test Methods

SOP	Title	Parameters included	Method summary
1010	pH Value of Waters	pH	pH Meter
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Conductivity Meter
1030	Total Suspended Solids	Total suspended solids	Filtration of a mixed sample through a standard glass fibre filter and determination of the mass of residue retained dried at 105°C.
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.
1300	Cyanides & Thiocyanate in Waters	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Continuous Flow Analysis.
1415	Cations in Waters by ICP-MS	Sodium; Potassium; Calcium; Magnesium	Direct determination by inductively coupled plasma - mass spectrometry (ICP-MS).
1450	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).
1460	Mercury low-level in Waters by AFS	Mercury	Atomic Fluorescence Spectrometry, with collimated UV source, wavelength 253.7 nm.
1495	Low Level Hexavalent Chromium in Waters	Chromium [VI]	Colorimetric determination of hexavalent chromium expressed as Cr (VI) µg/l in water, using Ion Chromatography and UV-visible spectrophotometry.
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation
1670	Total Petroleum Hydrocarbons (TPH) in Waters by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO	Pentane extraction / GC FID detection
1700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Waters by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
1760	Volatile Organic Compounds (VOCs) in Waters by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics. (cf. USEPA Method 8260)	Automated headspace gas chromatographic (GC) analysis of water samples with mass spectrometric (MS) detection of volatile organic compounds.
1790	Semi-Volatile Organic Compounds (SVOCs) in Waters by GC-MS	Semi-volatile organic compounds	Solvent extraction / GCMS detection
1815	Polychlorinated Biphenyls (PCB) ICES7 Congeners in Waters by GC-MS	ICES7 PCB congeners	Solvent extraction / GCMS detection
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at the indicated laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container
E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

Eurofins Chemtest Ltd
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.com

Final Report

Report No.:	20-30950-1		
Initial Date of Issue:	20-Nov-2020		
Client	Atkins Ltd		
Client Address:	The Axis 10 Holliday Street Birmingham West Midlands B1 1TF		
Contact(s):	Jenny Wilcox		
Project	S185703 Sizewell C		
Quotation No.:	Q20-21888	**Date Received:**	13-Nov-2020
Order No.:	5185703.001.17112020	**Date Instructed:**	13-Nov-2020
No. of Samples:	1		
Turnaround (Wkdays):	5	**Results Due:**	19-Nov-2020
Date Approved:	19-Nov-2020		

Approved By:

Details: Glynn Harvey, Technical Manager

Results - Water

Project: S185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		20-30950
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1096467
			Sample Location:		C4S
			Sample Type:		WATER
			Top Depth (m):		00
			Bottom Depth (m):		4.00
			Date Sampled:		11-Nov-2020
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
pH	U	1010		N/A	8.6
Electrical Conductivity	U	1020	µS/cm	1.0	240
Suspended Solids At 105C	U	1030	mg/l	5.0	26
Alkalinity (Total)	U	1220	mg/l	10	22
Chloride	U	1220	mg/l	1.0	26
Ammonium	U	1220	mg/l	0.050	< 0.050
Ammoniacal Nitrogen	U	1220	mg/l	0.050	< 0.050
Nitrite	U	1220	mg/l	0.020	< 0.020
Nitrate	U	1220	mg/l	0.50	17
Phosphate	U	1220	mg/l	0.200	0.32
Phosphorus (Dissolved)	U	1220	mg/l	0.020	0.10
Sulphate	U	1220	mg/l	1.0	28
Total Oxidised Nitrogen	U	1220	mg/l	0.20	3.8
Cyanide (Free) Low-Level	N	1300	mg/l	0.0050	< 0.0050
Calcium	U	1415	mg/l	5.0	8.1
Potassium	U	1415	mg/l	0.50	3.3
Magnesium	U	1415	mg/l	0.50	5.6
Sodium	U	1415	mg/l	0.50	24
Arsenic (Dissolved)	U	1450	µg/l	1.0	< 1.0
Boron (Dissolved)	U	1450	µg/l	20	< 20
Cadmium (Dissolved)	U	1450	µg/l	0.080	< 0.080
Chromium (Dissolved)	U	1450	µg/l	1.0	2.9
Copper (Dissolved)	U	1450	µg/l	1.0	< 1.0
Iron (Dissolved)	N	1450	µg/l	20	< 20
Manganese (Dissolved)	U	1450	µg/l	1.0	1.9
Nickel (Dissolved)	U	1450	µg/l	1.0	< 1.0
Lead (Dissolved)	U	1450	µg/l	1.0	< 1.0
Zinc (Dissolved)	U	1450	µg/l	1.0	3.2
Mercury Low Level	U	1460	µg/l	0.010	< 0.010
Low-Level Chromium (Hexavalent)	U	1495	µg/l	0.10	0.95
Chromium (Trivalent)	U	1450	µg/l	1	2
Dissolved Organic Carbon Low Level	N	1610	mg/l	N/A	3.1
Total TPH >C6-C40	U	1670	µg/l	10	< 10
Naphthalene	N	1700	µg/l	0.010	< 0.010
Acenaphthylene	N	1700	µg/l	0.010	< 0.010
Acenaphthene	N	1700	µg/l	0.010	< 0.010
Fluorene	N	1700	µg/l	0.010	< 0.010
Phenanthrene	N	1700	µg/l	0.010	< 0.010
Anthracene	N	1700	µg/l	0.010	< 0.010

Results - Water

Project: S185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		20-30950
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1096467
			Sample Location:		C4S
			Sample Type:		WATER
			Top Depth (m):		00
			Bottom Depth (m):		4.00
			Date Sampled:		11-Nov-2020
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
Fluoranthene	N	1700	µg/l	0.010	< 0.010
Pyrene	N	1700	µg/l	0.010	< 0.010
Benzo[a]anthracene	N	1700	µg/l	0.010	< 0.010
Chrysene	N	1700	µg/l	0.010	< 0.010
Benzo[b]fluoranthene	N	1700	µg/l	0.010	< 0.010
Benzo[k]fluoranthene	N	1700	µg/l	0.010	< 0.010
Benzo[a]pyrene	N	1700	µg/l	0.010	< 0.010
Indeno(1,2,3-c,d)Pyrene	N	1700	µg/l	0.010	< 0.010
Dibenz(a,h)Anthracene	N	1700	µg/l	0.010	< 0.010
Benzo[g,h,i]perylene	N	1700	µg/l	0.010	< 0.010
Total Of 16 PAH's	N	1700	µg/l	0.20	< 0.20
Dichlorodifluoromethane	N	1760	µg/l	0.10	< 0.10
Chloromethane	N	1760	µg/l	0.10	< 0.10
Vinyl Chloride	N	1760	µg/l	0.10	< 0.10
Bromomethane	N	1760	µg/l	2.0	< 2.0
Chloroethane	N	1760	µg/l	0.20	< 0.20
Trichlorofluoromethane	N	1760	µg/l	0.10	< 0.10
1,1-Dichloroethene	N	1760	µg/l	0.10	< 0.10
Trans 1,2-Dichloroethene	N	1760	µg/l	0.10	< 0.10
1,1-Dichloroethane	N	1760	µg/l	0.10	< 0.10
cis 1,2-Dichloroethene	N	1760	µg/l	0.10	< 0.10
Bromochloromethane	N	1760	µg/l	0.50	< 0.50
Trichloromethane	N	1760	µg/l	0.10	< 0.10
1,1,1-Trichloroethane	N	1760	µg/l	0.10	< 0.10
Tetrachloromethane	N	1760	µg/l	0.10	< 0.10
1,1-Dichloropropene	N	1760	µg/l	0.10	< 0.10
Benzene	N	1760	µg/l	0.10	< 0.10
1,2-Dichloroethane	N	1760	µg/l	0.20	< 0.20
Trichloroethene	N	1760	µg/l	0.10	< 0.10
1,2-Dichloropropane	N	1760	µg/l	0.10	< 0.10
Dibromomethane	N	1760	µg/l	0.10	< 0.10
Bromodichloromethane	N	1760	µg/l	0.50	< 0.50
cis-1,3-Dichloropropene	N	1760	µg/l	1.0	< 1.0
Toluene	N	1760	µg/l	0.10	< 0.10
Trans-1,3-Dichloropropene	N	1760	µg/l	1.0	< 1.0
1,1,2-Trichloroethane	N	1760	µg/l	0.1	< 0.1
Tetrachloroethene	N	1760	µg/l	0.10	< 0.10
1,3-Dichloropropane	N	1760	µg/l	0.20	< 0.20
Dibromochloromethane	N	1760	µg/l	1.0	< 1.0

Results - Water

Project: S185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		20-30950
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1096467
			Sample Location:		C4S
			Sample Type:		WATER
			Top Depth (m):		00
			Bottom Depth (m):		4.00
			Date Sampled:		11-Nov-2020
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
1,2-Dibromoethane	N	1760	µg/l	0.50	< 0.50
Chlorobenzene	N	1760	µg/l	0.10	< 0.10
1,1,1,2-Tetrachloroethane	N	1760	µg/l	0.20	< 0.20
Ethylbenzene	N	1760	µg/l	0.10	< 0.10
m & p-Xylene	N	1760	µg/l	0.10	< 0.10
o-Xylene	N	1760	µg/l	0.10	< 0.10
Styrene	N	1760	µg/l	0.10	< 0.10
Tribromomethane	N	1760	µg/l	1.0	< 1.0
Isopropylbenzene	N	1760	µg/l	0.10	< 0.10
Bromobenzene	N	1760	µg/l	0.10	< 0.10
1,2,3-Trichloropropane	N	1760	µg/l	5.0	< 5.0
N-Propylbenzene	N	1760	µg/l	0.10	< 0.10
2-Chlorotoluene	N	1760	µg/l	0.10	< 0.10
1,3,5-Trimethylbenzene	N	1760	µg/l	0.10	< 0.10
4-Chlorotoluene	N	1760	µg/l	0.10	< 0.10
Tert-Butylbenzene	N	1760	µg/l	0.10	< 0.10
1,2,4-Trimethylbenzene	N	1760	µg/l	0.10	< 0.10
Sec-Butylbenzene	N	1760	µg/l	0.10	< 0.10
1,3-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10
4-Isopropyltoluene	N	1760	µg/l	0.10	< 0.10
1,4-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10
N-Butylbenzene	N	1760	µg/l	0.10	< 0.10
1,2-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10
1,2-Dibromo-3-Chloropropane	N	1760	µg/l	5.0	< 5.0
1,2,4-Trichlorobenzene	N	1760	µg/l	0.10	< 0.10
Hexachlorobutadiene	N	1760	µg/l	0.10	< 0.10
1,2,3-Trichlorobenzene	N	1760	µg/l	0.20	< 0.20
Methyl Tert-Butyl Ether	N	1760	µg/l	0.10	< 0.10
N-Nitrosodimethylamine	N	1790	µg/l	0.50	< 0.50
Phenol	N	1790	µg/l	0.50	< 0.50
2-Chlorophenol	N	1790	µg/l	0.50	< 0.50
Bis-(2-Chloroethyl)Ether	N	1790	µg/l	0.50	< 0.50
1,3-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50
1,4-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50
1,2-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50
2-Methylphenol (o-Cresol)	N	1790	µg/l	0.50	< 0.50
Bis(2-Chloroisopropyl)Ether	N	1790	µg/l	0.50	< 0.50
Hexachloroethane	N	1790	µg/l	0.50	< 0.50
N-Nitrosodi-n-propylamine	N	1790	µg/l	0.50	< 0.50

Results - Water

Project: S185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		20-30950
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1096467
			Sample Location:		C4S
			Sample Type:		WATER
			Top Depth (m):		00
			Bottom Depth (m):		4.00
			Date Sampled:		11-Nov-2020
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
4-Methylphenol	N	1790	µg/l	0.50	< 0.50
Nitrobenzene	N	1790	µg/l	0.50	< 0.50
Isophorone	N	1790	µg/l	0.50	< 0.50
2-Nitrophenol	N	1790	µg/l	0.50	< 0.50
2,4-Dimethylphenol	N	1790	µg/l	0.50	< 0.50
Bis(2-Chloroethoxy)Methane	N	1790	µg/l	0.50	< 0.50
2,4-Dichlorophenol	N	1790	µg/l	0.50	< 0.50
1,2,4-Trichlorobenzene	N	1790	µg/l	0.50	< 0.50
Naphthalene	N	1790	µg/l	0.50	< 0.50
4-Chloroaniline	N	1790	µg/l	0.50	< 0.50
Hexachlorobutadiene	N	1790	µg/l	0.50	< 0.50
4-Chloro-3-Methylphenol	N	1790	µg/l	0.50	< 0.50
2-Methylnaphthalene	N	1790	µg/l	0.50	< 0.50
Hexachlorocyclopentadiene	N	1790	µg/l	0.50	< 0.50
2,4,6-Trichlorophenol	N	1790	µg/l	0.50	< 0.50
2,4,5-Trichlorophenol	N	1790	µg/l	0.50	< 0.50
2-Chloronaphthalene	N	1790	µg/l	0.50	< 0.50
2-Nitroaniline	N	1790	µg/l	0.50	< 0.50
Acenaphthylene	N	1790	µg/l	0.50	< 0.50
Dimethylphthalate	N	1790	µg/l	0.50	< 0.50
2,6-Dinitrotoluene	N	1790	µg/l	0.50	< 0.50
Acenaphthene	N	1790	µg/l	0.50	< 0.50
3-Nitroaniline	N	1790	µg/l	0.50	< 0.50
Dibenzofuran	N	1790	µg/l	0.50	< 0.50
4-Chlorophenylphenylether	N	1790	µg/l	0.50	< 0.50
2,4-Dinitrotoluene	N	1790	µg/l	0.50	< 0.50
Fluorene	N	1790	µg/l	0.50	< 0.50
Diethyl Phthalate	N	1790	µg/l	0.50	< 0.50
4-Nitroaniline	N	1790	µg/l	0.50	< 0.50
2-Methyl-4,6-Dinitrophenol	N	1790	µg/l	0.50	< 0.50
Azobenzene	N	1790	µg/l	0.50	< 0.50
4-Bromophenylphenyl Ether	N	1790	µg/l	0.50	< 0.50
Hexachlorobenzene	N	1790	µg/l	0.50	< 0.50
Pentachlorophenol	N	1790	µg/l	0.50	< 0.50
Phenanthrene	N	1790	µg/l	0.50	< 0.50
Anthracene	N	1790	µg/l	0.50	< 0.50
Carbazole	N	1790	µg/l	0.50	< 0.50
Di-N-Butyl Phthalate	N	1790	µg/l	0.50	< 0.50
Fluoranthene	N	1790	µg/l	0.50	< 0.50

Results - Water

Project: S185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		20-30950
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1096467
			Sample Location:		C4S
			Sample Type:		WATER
			Top Depth (m):		00
			Bottom Depth (m):		4.00
			Date Sampled:		11-Nov-2020
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
Pyrene	N	1790	µg/l	0.50	< 0.50
Butylbenzyl Phthalate	N	1790	µg/l	0.50	< 0.50
Benzo[a]anthracene	N	1790	µg/l	0.50	< 0.50
Chrysene	N	1790	µg/l	0.50	< 0.50
Bis(2-Ethylhexyl)Phthalate	N	1790	µg/l	0.50	< 0.50
Di-N-Octyl Phthalate	N	1790	µg/l	0.50	< 0.50
Benzo[b]fluoranthene	N	1790	µg/l	0.50	< 0.50
Benzo[k]fluoranthene	N	1790	µg/l	0.50	< 0.50
Benzo[a]pyrene	N	1790	µg/l	0.50	< 0.50
Indeno(1,2,3-c,d)Pyrene	N	1790	µg/l	0.50	< 0.50
Dibenz(a,h)Anthracene	N	1790	µg/l	0.50	< 0.50
Benzo[g,h,i]perylene	N	1790	µg/l	0.50	< 0.50
4-Nitrophenol	N	1790	µg/l	0.50	< 0.50
PCB 28	N	1815	µg/l	0.010	< 0.010
PCB 81	N	1815	µg/l	0.010	< 0.010
PCB 52	N	1815	µg/l	0.010	< 0.010
PCB 77	N	1815	µg/l	0.010	< 0.010
PCB 105	N	1815	µg/l	0.010	< 0.010
PCB 90+101	N	1815	µg/l	0.010	< 0.010
PCB 114	N	1815	µg/l	0.010	< 0.010
PCB 118	N	1815	µg/l	0.010	< 0.010
PCB 118	N	1815	µg/l	0.010	< 0.010
PCB 153	N	1815	µg/l	0.010	< 0.010
PCB 123	N	1815	µg/l	0.010	< 0.010
PCB 138	N	1815	µg/l	0.010	< 0.010
PCB 126	N	1815	µg/l	0.010	< 0.010
PCB 180	N	1815	µg/l	0.010	< 0.010
PCB 156	N	1815	µg/l	0.010	< 0.010
PCB 157	N	1815	µg/l	0.010	< 0.010
PCB 167	N	1815	µg/l	0.010	< 0.010
PCB 169	N	1815	µg/l	0.010	< 0.010
PCB 189	N	1815	µg/l	0.010	< 0.010
Total PCBs (12 Congeners)	N	1815	µg/l	0.010	< 0.010
Total PCBs (7 congeners)	N	1815	µg/l	0.010	< 0.010
Total Phenols	U	1920	mg/l	0.030	< 0.030

Test Methods

SOP	Title	Parameters included	Method summary
1010	pH Value of Waters	pH	pH Meter
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Conductivity Meter
1030	Total Suspended Solids	Total suspended solids	Filtration of a mixed sample through a standard glass fibre filter and determination of the mass of residue retained dried at 105°C.
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.
1300	Cyanides & Thiocyanate in Waters	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Continuous Flow Analysis.
1415	Cations in Waters by ICP-MS	Sodium; Potassium; Calcium; Magnesium	Direct determination by inductively coupled plasma - mass spectrometry (ICP-MS).
1450	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).
1460	Mercury low-level in Waters by AFS	Mercury	Atomic Fluorescence Spectrometry, with collimated UV source, wavelength 253.7 nm.
1495	Low Level Hexavalent Chromium in Waters	Chromium [VI]	Colorimetric determination of hexavalent chromium expressed as Cr (VI) µg/l in water, using Ion Chromatography and UV-visible spectrophotometry.
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation
1670	Total Petroleum Hydrocarbons (TPH) in Waters by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO	Pentane extraction / GC FID detection
1700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Waters by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
1760	Volatile Organic Compounds (VOCs) in Waters by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics. (cf. USEPA Method 8260)	Automated headspace gas chromatographic (GC) analysis of water samples with mass spectrometric (MS) detection of volatile organic compounds.
1790	Semi-Volatile Organic Compounds (SVOCs) in Waters by GC-MS	Semi-volatile organic compounds	Solvent extraction / GCMS detection
1815	Polychlorinated Biphenyls (PCB) ICES7 Congeners in Waters by GC-MS	ICES7 PCB congeners	Solvent extraction / GCMS detection
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at the indicated laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container
E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

Eurofins Chemtest Ltd
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.com

Final Report

Report No.:	21-16308-1
Initial Date of Issue:	25-May-2021
Client	Atkins Ltd
Client Address:	The Axis 10 Holliday Street Birmingham West Midlands B1 1TF
Contact(s):	Natasha Glynn Alice Smith
Project	5185703 Sizewell C

Quotation No.:	Q20-21888	**Date Received:**	17-May-2021
Order No.:	5185703/CHEM/250521	**Date Instructed:**	17-May-2021
No. of Samples:	6		
Turnaround (Wkdays):	5	**Results Due:**	21-May-2021
Date Approved:	21-May-2021		

Approved By:

Details: Glynn Harvey, Technical Manager

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd					**Chemtest Job No.:**	21-16308	21-16308	21-16308	21-16308	21-16308
Quotation No.: Q20-21888					**Chemtest Sample ID.:**	1201629	1201630	1201631	1201632	1201633	1201634
					Sample Location:	C3s	C3d	G1	P13	C2s	C2d
					Sample Type:	WATER	WATER	WATER	WATER	WATER	WATER
					Top Depth (m):	5.00	16.00		1.50	4.50	18.00
					Date Sampled:	13-May-2021	13-May-2021	13-May-2021	13-May-2021	13-May-2021	13-May-2021
Determinand	**Accred.**	**SOP**	**Units**	**LOD**							
pH	U	1010		N/A		7.5	8.2	8.2	7.3	7.7	8.1
Electrical Conductivity	U	1020	µS/cm	1.0		3300	400	910	1000	750	970
Suspended Solids At 105C	U	1030	mg/l	5.0		25	20	520	190	28	100
Alkalinity (Total)	U	1220	mg/l	10		< 10	55	270	270	47	390
Chloride	U	1220	mg/l	1.0		1100	51	110	210	140	63
Ammonium	U	1220	mg/l	0.050		0.31	0.19	1.0	< 0.050	0.39	2.5
Ammoniacal Nitrogen	U	1220	mg/l	0.050		0.24	0.16	0.86	< 0.050	0.31	2.1
Nitrite	U	1220	mg/l	0.020		< 0.020	< 0.020	0.067	< 0.020	< 0.020	< 0.020
Nitrate	U	1220	mg/l	0.50		1.8	< 0.50	0.76	< 0.50	45	< 0.50
Phosphate	U	1220	mg/l	0.200		< 0.20	0.25	< 0.20	< 0.20	< 0.20	< 0.20
Phosphorus (Dissolved)	U	1220	mg/l	0.020		0.022	0.082	0.026	0.036	0.025	0.030
Sulphate	U	1220	mg/l	1.0		53	32	60	< 1.0	81	49
Total Oxidised Nitrogen	U	1220	mg/l	0.20		0.41	< 0.20	< 0.20	< 0.20	10	< 0.20
Cyanide (Free) Low-Level	N	1300	mg/l	0.0050		< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Calcium	U	1455	mg/l	2.00		48	30	120	96	53	150
Potassium	U	1455	mg/l	0.50		11	2.0	6.6	5.6	2.9	2.9
Magnesium	U	1455	mg/l	0.20		91	2.2	12	35	7.2	13
Sodium	U	1455	mg/l	1.50		430	25	52	62	73	41
Arsenic (Dissolved)	U	1455	µg/l	0.20		< 0.20	1.3	2.4	18	0.84	1.0
Boron (Dissolved)	U	1455	µg/l	10.0		41	14	38	57	44	36
Cadmium (Dissolved)	U	1455	µg/l	0.11		0.46	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Chromium (Dissolved)	U	1455	µg/l	0.50		7.1	6.8	7.1	8.1	7.4	7.6
Copper (Dissolved)	U	1455	µg/l	0.50		0.70	9.7	0.56	0.81	< 0.50	< 0.50
Iron (Dissolved)	N	1455	µg/l	5.0		34	24	190	38000	750	150
Manganese (Dissolved)	U	1455	µg/l	0.50		14000	120	1000	2700	73	2100
Nickel (Dissolved)	U	1455	µg/l	0.50		24	3.9	4.7	19	4.4	4.1
Lead (Dissolved)	U	1455	µg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Zinc (Dissolved)	U	1455	µg/l	3.0		15	< 3.0	< 3.0	< 3.0	< 3.0	3.5
Mercury Low Level	U	1460	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Low-Level Chromium (Hexavalent)	U	1495	µg/l	0.10		[B] 4.4	[B] 0.38	[B] 3.7	[B] < 0.10	[B] 1.1	[B] < 0.10
Chromium (Trivalent)	U	1450	µg/l	1		3	6	3	8	6	8
Dissolved Organic Carbon Low Level	N	1610	mg/l	N/A		9.7	0.72	13	45	3.3	3.3
Total TPH >C6-C40	U	1670	µg/l	10		< 10	< 10	< 10	< 10	< 10	< 10
Naphthalene	N	1700	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Acenaphthylene	N	1700	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Acenaphthene	N	1700	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Fluorene	N	1700	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Phenanthrene	N	1700	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Anthracene	N	1700	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Fluoranthene	N	1700	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd					**Chemtest Job No.:**	21-16308	21-16308	21-16308	21-16308	21-16308
Quotation No.: Q20-21888					**Chemtest Sample ID.:**	1201629	1201630	1201631	1201632	1201633	1201634
					Sample Location:	C3s	C3d	G1	P13	C2s	C2d
					Sample Type:	WATER	WATER	WATER	WATER	WATER	WATER
					Top Depth (m):	5.00	16.00		1.50	4.50	18.00
					Date Sampled:	13-May-2021	13-May-2021	13-May-2021	13-May-2021	13-May-2021	13-May-2021
Determinand	**Accred.**	**SOP**	**Units**	**LOD**							
Pyrene	N	1700	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzo[a]anthracene	N	1700	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Chrysene	N	1700	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzo[b]fluoranthene	N	1700	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzo[k]fluoranthene	N	1700	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzo[a]pyrene	N	1700	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Indeno(1,2,3-c,d)Pyrene	N	1700	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dibenz(a,h)Anthracene	N	1700	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzo[g,h,i]perylene	N	1700	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Of 16 PAH's	N	1700	µg/l	0.20		< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Dichlorodifluoromethane	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chloromethane	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Vinyl Chloride	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromomethane	N	1760	µg/l	2.0		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chloroethane	N	1760	µg/l	0.20		< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Trichlorofluoromethane	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1-Dichloroethene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trans 1,2-Dichloroethene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1-Dichloroethane	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
cis 1,2-Dichloroethene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromochloromethane	N	1760	µg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloromethane	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1,1-Trichloroethane	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Tetrachloromethane	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1-Dichloropropene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2-Dichloroethane	N	1760	µg/l	0.20		< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Trichloroethene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2-Dichloropropane	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibromomethane	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromodichloromethane	N	1760	µg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,3-Dichloropropene	N	1760	µg/l	1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	14	< 0.10	< 0.10
Trans-1,3-Dichloropropene	N	1760	µg/l	1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	N	1760	µg/l	0.1		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,3-Dichloropropane	N	1760	µg/l	0.20		< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Dibromochloromethane	N	1760	µg/l	1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	N	1760	µg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd					**Chemtest Job No.:**	21-16308	21-16308	21-16308	21-16308	21-16308
Quotation No.: Q20-21888					**Chemtest Sample ID.:**	1201629	1201630	1201631	1201632	1201633	1201634
					Sample Location:	C3s	C3d	G1	P13	C2s	C2d
					Sample Type:	WATER	WATER	WATER	WATER	WATER	WATER
					Top Depth (m):	5.00	16.00		1.50	4.50	18.00
					Date Sampled:	13-May-2021	13-May-2021	13-May-2021	13-May-2021	13-May-2021	13-May-2021
Determinand	**Accred.**	**SOP**	**Units**	**LOD**							
1,1,1,2-Tetrachloroethane	N	1760	µg/l	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
m & p-Xylene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
o-Xylene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Styrene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Tribromomethane	N	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Isopropylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromobenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2,3-Trichloropropane	N	1760	µg/l	5	< 5	< 5	< 5	< 5	< 5	< 5
N-Propylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2-Chlorotoluene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,3,5-Trimethylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Chlorotoluene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Tert-Butylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2,4-Trimethylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Sec-Butylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,3-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Isopropyltoluene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,4-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
N-Butylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2-Dibromo-3-Chloropropane	N	1760	µg/l	5	< 5	< 5	< 5	< 5	< 5	< 5
1,2,4-Trichlorobenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Hexachlorobutadiene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2,3-Trichlorobenzene	N	1760	µg/l	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Methyl Tert-Butyl Ether	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
N-Nitrosodimethylamine	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Phenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bis-(2-Chloroethyl)Ether	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,3-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,4-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methylphenol (o-Cresol)	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bis(2-Chloroisopropyl)Ether	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachloroethane	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
N-Nitrosodi-n-propylamine	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Methylphenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Nitrobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Isophorone	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd					**Chemtest Job No.:**	21-16308	21-16308	21-16308	21-16308	21-16308
Quotation No.: Q20-21888					**Chemtest Sample ID.:**	1201629	1201630	1201631	1201632	1201633	1201634
					Sample Location:	C3s	C3d	G1	P13	C2s	C2d
					Sample Type:	WATER	WATER	WATER	WATER	WATER	WATER
					Top Depth (m):	5.00	16.00		1.50	4.50	18.00
					Date Sampled:	13-May-2021	13-May-2021	13-May-2021	13-May-2021	13-May-2021	13-May-2021
Determinand	**Accred.**	**SOP**	**Units**	**LOD**							
2-Nitrophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dimethylphenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bis(2-Chloroethoxy)Methane	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dichlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2,4-Trichlorobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Naphthalene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroaniline	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorobutadiene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloro-3-Methylphenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methylnaphthalene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorocyclopentadiene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4,6-Trichlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4,5-Trichlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chloronaphthalene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Nitroaniline	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Acenaphthylene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dimethylphthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,6-Dinitrotoluene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Acenaphthene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
3-Nitroaniline	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibenzofuran	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chlorophenylphenylether	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dinitrotoluene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Fluorene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Diethyl Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Nitroaniline	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methyl-4,6-Dinitrophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Azobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Bromophenylphenyl Ether	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Pentachlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Phenanthrene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Anthracene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbazole	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Di-N-Butyl Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Fluoranthene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Pyrene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Butylbenzyl Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[a]anthracene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chrysene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd					**Chemtest Job No.:**	21-16308	21-16308	21-16308	21-16308	21-16308
Quotation No.: Q20-21888					**Chemtest Sample ID.:**	1201629	1201630	1201631	1201632	1201633	1201634
					Sample Location:	C3s	C3d	G1	P13	C2s	C2d
					Sample Type:	WATER	WATER	WATER	WATER	WATER	WATER
					Top Depth (m):	5.00	16.00		1.50	4.50	18.00
					Date Sampled:	13-May-2021	13-May-2021	13-May-2021	13-May-2021	13-May-2021	13-May-2021
Determinand	**Accred.**	**SOP**	**Units**	**LOD**							
Bis(2-Ethylhexyl)Phthalate	N	1790	µg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Di-N-Octyl Phthalate	N	1790	µg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[b]fluoranthene	N	1790	µg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[k]fluoranthene	N	1790	µg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[a]pyrene	N	1790	µg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Indeno(1,2,3-c,d)Pyrene	N	1790	µg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibenz(a,h)Anthracene	N	1790	µg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[g,h,i]perylene	N	1790	µg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Nitrophenol	N	1790	µg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
PCB 28	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 81	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 52	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 77	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 105	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 90+101	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 114	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 118	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 118	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 153	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 123	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 138	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 126	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 180	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 156	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 157	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 167	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 169	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 189	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total PCBs (12 Congeners)	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total PCBs (7 congeners)	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Phenols	U	1920	mg/l	0.030		< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030

Deviations

In accordance with UKAS Policy on Deviating Samples TPS 63. Chemtest have a procedure to ensure 'upon receipt of each sample a competent laboratory shall assess whether the sample is suitable with regard to the requested test(s)'. This policy and the respective holding times applied, can be supplied upon request.The reason a sample is declared as deviating is detailed below. Where applicable the analysis remains UKAS/MCERTs accredited but the results may be compromised.

Sample:	Sample Ref:	Sample ID:	Sample Location:	Sampled Date:	Deviation Code(s):	Containers Received:
1201629			C3s	13-May-2021	B	Coloured Winchester 1000ml
1201629			C3s	13-May-2021	B	EPA Vial 40ml
1201629			C3s	13-May-2021	B	Plastic Bottle 1000ml
1201630			C3d	13-May-2021	B	Coloured Winchester 1000ml
1201630			C3d	13-May-2021	B	EPA Vial 40ml
1201630			C3d	13-May-2021	B	Plastic Bottle 1000ml
1201631			G1	13-May-2021	B	Coloured Winchester 1000ml
1201631			G1	13-May-2021	B	EPA Vial 40ml
1201631			G1	13-May-2021	B	Plastic Bottle 1000ml
1201632			P13	13-May-2021	B	Coloured Winchester 1000ml
1201632			P13	13-May-2021	B	EPA Vial 40ml
1201632			P13	13-May-2021	B	Plastic Bottle 1000ml
1201633			C2s	13-May-2021	B	Coloured Winchester 1000ml
1201633			C2s	13-May-2021	B	EPA Vial 40ml
1201633			C2s	13-May-2021	B	Plastic Bottle 1000ml
1201634			C2d	13-May-2021	B	Coloured Winchester 1000ml
1201634			C2d	13-May-2021	B	EPA Vial 40ml
1201634			C2d	13-May-2021	B	Plastic Bottle 1000ml

Test Methods

SOP	Title	Parameters included	Method summary
1010	pH Value of Waters	pH	pH Meter
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Conductivity Meter
1030	Total Suspended Solids	Total suspended solids	Filtration of a mixed sample through a standard glass fibre filter and determination of the mass of residue retained dried at 105°C.
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.
1300	Cyanides & Thiocyanate in Waters	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Continuous Flow Analysis.
1450	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).
1455	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).
1460	Mercury low-level in Waters by AFS	Mercury	Atomic Fluorescence Spectrometry, with collimated UV source, wavelength 253.7 nm.
1495	Low Level Hexavalent Chromium in Waters	Chromium [VI]	Colorimetric determination of hexavalent chromium expressed as Cr (VI) µg/l in water, using Ion Chromatography and UV-visible spectrophotometry.
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation
1670	Total Petroleum Hydrocarbons (TPH) in Waters by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO	Pentane extraction / GC FID detection
1700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Waters by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
1760	Volatile Organic Compounds (VOCs) in Waters by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics. (cf. USEPA Method 8260)	Automated headspace gas chromatographic (GC) analysis of water samples with mass spectrometric (MS) detection of volatile organic compounds.
1790	Semi-Volatile Organic Compounds (SVOCs) in Waters by GC-MS	Semi-volatile organic compounds	Solvent extraction / GCMS detection
1815	Polychlorinated Biphenyls (PCB) ICES7 Congeners in Waters by GC-MS	ICES7 PCB congeners	Solvent extraction / GCMS detection
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at the indicated laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container
E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

Eurofins Chemtest Ltd
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.com

Final Report

Report No.:	21-16868-1
Initial Date of Issue:	26-May-2021
Client	Atkins Ltd
Client Address:	The Axis 10 Holliday Street Birmingham West Midlands B1 1TF
Contact(s):	Natasha Glynn Alice Smith
Project	5185703 Sizewell C

Quotation No.:	Q20-21888	**Date Received:**	20-May-2021
Order No.:	5185703/CHEM/250521	**Date Instructed:**	20-May-2021
No. of Samples:	5		
Turnaround (Wkdays):	5	**Results Due:**	26-May-2021
Date Approved:	26-May-2021		

Approved By:

Details: Glynn Harvey, Technical Manager

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		21-16868	21-16868	21-16868	21-16868	21-16868
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1204423	1204424	1204425	1204426	1204427
			Sample Location:		P12	C4S	C4D	G3	G4
			Sample Type:		WATER	WATER	WATER	WATER	WATER
			Top Depth (m):		1.5	4.5	16.00		
			Date Sampled:		18-May-2021	18-May-2021	18-May-2021	18-May-2021	18-May-2021
Determinand	**Accred.**	**SOP**	**Units**	**LOD**					
pH	U	1010		N/A	8.2	8.0	7.8	8.1	8.2
Electrical Conductivity	U	1020	µS/cm	1.0	300	200	1400	880	1100
Suspended Solids At 105C	U	1030	mg/l	5.0	15	12	29	43	39
Alkalinity (Total)	U	1220	mg/l	10	87	11	220	370	220
Chloride	U	1220	mg/l	1.0	35	26	330	58	120
Ammonium	U	1220	mg/l	0.050	0.75	< 0.050	0.051	0.19	0.15
Ammoniacal Nitrogen	U	1220	mg/l	0.050	0.64	< 0.050	< 0.050	0.16	0.12
Nitrite	U	1220	mg/l	0.020	< 0.020	< 0.020	< 0.020	0.13	0.19
Nitrate	U	1220	mg/l	0.50	< 0.50	16	< 0.50	3.2	54
Phosphate	U	1220	mg/l	0.200	0.26	0.29	< 0.20	< 0.20	0.68
Phosphorus (Dissolved)	U	1220	mg/l	0.020	0.085	0.095	0.039	0.025	0.22
Sulphate	U	1220	mg/l	1.0	31	25	47	93	86
Total Oxidised Nitrogen	U	1220	mg/l	0.20	< 0.20	3.6	< 0.20	0.77	12
Cyanide (Free) Low-Level	N	1300	mg/l	0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Calcium	U	1455	mg/l	2.00	35	5.2	200	150	130
Potassium	U	1455	mg/l	0.50	1.7	2.6	12	7.6	11
Magnesium	U	1455	mg/l	0.20	3.4	5.2	13	12	9.9
Sodium	U	1455	mg/l	1.50	18	21	53	32	64
Arsenic (Dissolved)	U	1455	µg/l	0.20	0.67	0.60	0.86	0.68	1.1
Boron (Dissolved)	U	1455	µg/l	10.0	31	14	34	30	40
Cadmium (Dissolved)	U	1455	µg/l	0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Chromium (Dissolved)	U	1455	µg/l	0.50	42	73	45	49	40
Copper (Dissolved)	U	1455	µg/l	0.50	1.2	1.7	1.1	1.4	2.5
Iron (Dissolved)	N	1455	µg/l	5.0	380	310	200	220	230
Manganese (Dissolved)	U	1455	µg/l	0.50	300	13	190	18	61
Nickel (Dissolved)	U	1455	µg/l	0.50	18	31	20	21	18
Lead (Dissolved)	U	1455	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Zinc (Dissolved)	U	1455	µg/l	2.5	< 3.0	< 3.0	< 3.0	< 3.0	3.5
Mercury Low Level	U	1460	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Low-Level Chromium (Hexavalent)	U	1495	µg/l	0.10	< 0.10	5.3	< 0.10	4.6	5.3
Chromium (Trivalent)	U	1450	µg/l	1	42	68	45	44	35
Dissolved Organic Carbon Low Level	N	1610	mg/l	N/A	5.2	0.73	0.91	4.7	6.2
Total TPH >C6-C40	U	1670	µg/l	10	< 10	< 10	< 10	< 10	< 10
Naphthalene	N	1700	µg/l	0.010	[C] < 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Acenaphthylene	N	1700	µg/l	0.010	[C] < 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Acenaphthene	N	1700	µg/l	0.010	[C] < 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Fluorene	N	1700	µg/l	0.010	[C] < 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Phenanthrene	N	1700	µg/l	0.010	[C] < 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Anthracene	N	1700	µg/l	0.010	[C] < 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Fluoranthene	N	1700	µg/l	0.010	[C] < 0.010	< 0.010	< 0.010	< 0.010	< 0.010

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		21-16868	21-16868	21-16868	21-16868	21-16868
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1204423	1204424	1204425	1204426	1204427
			Sample Location:		P12	C4S	C4D	G3	G4
			Sample Type:		WATER	WATER	WATER	WATER	WATER
			Top Depth (m):		1.5	4.5	16.00		
			Date Sampled:		18-May-2021	18-May-2021	18-May-2021	18-May-2021	18-May-2021
Determinand	**Accred.**	**SOP**	**Units**	**LOD**					
Pyrene	N	1700	µg/l	0.010	[C] < 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzo[a]anthracene	N	1700	µg/l	0.010	[C] < 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Chrysene	N	1700	µg/l	0.010	[C] < 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzo[b]fluoranthene	N	1700	µg/l	0.010	[C] < 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzo[k]fluoranthene	N	1700	µg/l	0.010	[C] < 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzo[a]pyrene	N	1700	µg/l	0.010	[C] < 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Indeno(1,2,3-c,d)Pyrene	N	1700	µg/l	0.010	[C] < 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dibenz(a,h)Anthracene	N	1700	µg/l	0.010	[C] < 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzo[g,h,i]perylene	N	1700	µg/l	0.010	[C] < 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Of 16 PAH's	N	1700	µg/l	0.20	[C] < 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Dichlorodifluoromethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chloromethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Vinyl Chloride	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromomethane	N	1760	µg/l	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chloroethane	N	1760	µg/l	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Trichlorofluoromethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1-Dichloroethene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trans 1,2-Dichloroethene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1-Dichloroethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
cis 1,2-Dichloroethene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromochloromethane	N	1760	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloromethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1,1-Trichloroethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Tetrachloromethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1-Dichloropropene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2-Dichloroethane	N	1760	µg/l	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Trichloroethene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2-Dichloropropane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibromomethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromodichloromethane	N	1760	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,3-Dichloropropene	N	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trans-1,3-Dichloropropene	N	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	N	1760	µg/l	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,3-Dichloropropane	N	1760	µg/l	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Dibromochloromethane	N	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	N	1760	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		21-16868	21-16868	21-16868	21-16868	21-16868
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1204423	1204424	1204425	1204426	1204427
			Sample Location:		P12	C4S	C4D	G3	G4
			Sample Type:		WATER	WATER	WATER	WATER	WATER
			Top Depth (m):		1.5	4.5	16.00		
			Date Sampled:		18-May-2021	18-May-2021	18-May-2021	18-May-2021	18-May-2021
Determinand	**Accred.**	**SOP**	**Units**	**LOD**					
1,1,1,2-Tetrachloroethane	N	1760	µg/l	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
m & p-Xylene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
o-Xylene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Styrene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Tribromomethane	N	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Isopropylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromobenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2,3-Trichloropropane	N	1760	µg/l	5	< 5	< 5	< 5	< 5	< 5
N-Propylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2-Chlorotoluene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,3,5-Trimethylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Chlorotoluene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Tert-Butylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2,4-Trimethylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Sec-Butylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,3-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Isopropyltoluene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,4-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
N-Butylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2-Dibromo-3-Chloropropane	N	1760	µg/l	5	< 5	< 5	< 5	< 5	< 5
1,2,4-Trichlorobenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Hexachlorobutadiene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2,3-Trichlorobenzene	N	1760	µg/l	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Methyl Tert-Butyl Ether	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
N-Nitrosodimethylamine	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Phenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bis-(2-Chloroethyl)Ether	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,3-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,4-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methylphenol (o-Cresol)	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bis(2-Chloroisopropyl)Ether	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachloroethane	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
N-Nitrosodi-n-propylamine	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Methylphenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Nitrobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Isophorone	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		21-16868	21-16868	21-16868	21-16868	21-16868
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1204423	1204424	1204425	1204426	1204427
			Sample Location:		P12	C4S	C4D	G3	G4
			Sample Type:		WATER	WATER	WATER	WATER	WATER
			Top Depth (m):		1.5	4.5	16.00		
			Date Sampled:		18-May-2021	18-May-2021	18-May-2021	18-May-2021	18-May-2021
Determinand	**Accred.**	**SOP**	**Units**	**LOD**					
2-Nitrophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dimethylphenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bis(2-Chloroethoxy)Methane	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dichlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2,4-Trichlorobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Naphthalene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroaniline	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorobutadiene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloro-3-Methylphenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methylnaphthalene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorocyclopentadiene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4,6-Trichlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4,5-Trichlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chloronaphthalene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Nitroaniline	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Acenaphthylene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dimethylphthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,6-Dinitrotoluene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Acenaphthene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
3-Nitroaniline	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibenzofuran	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chlorophenylphenylether	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dinitrotoluene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Fluorene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Diethyl Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Nitroaniline	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methyl-4,6-Dinitrophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Azobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Bromophenylphenyl Ether	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Pentachlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Phenanthrene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Anthracene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbazole	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Di-N-Butyl Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Fluoranthene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Pyrene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Butylbenzyl Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[a]anthracene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chrysene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd		**Chemtest Job No.:**			21-16868	21-16868	21-16868	21-16868	21-16868
Quotation No.: Q20-21888		**Chemtest Sample ID.:**			1204423	1204424	1204425	1204426	1204427
			Sample Location:		P12	C4S	C4D	G3	G4
			Sample Type:		WATER	WATER	WATER	WATER	WATER
			Top Depth (m):		1.5	4.5	16.00		
			Date Sampled:		18-May-2021	18-May-2021	18-May-2021	18-May-2021	18-May-2021
Determinand	**Accred.**	**SOP**	**Units**	**LOD**					
Bis(2-Ethylhexyl)Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Di-N-Octyl Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[b]fluoranthene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[k]fluoranthene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[a]pyrene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Indeno(1,2,3-c,d)Pyrene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibenz(a,h)Anthracene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[g,h,i]perylene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Nitrophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
PCB 28	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 81	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 52	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 77	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 105	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 90+101	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 114	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 118	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 118	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 153	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 123	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 138	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 126	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 180	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 156	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 157	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 167	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 169	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 189	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total PCBs (12 Congeners)	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total PCBs (7 congeners)	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Phenols	U	1920	mg/l	0.030	[C] < 0.030	< 0.030	< 0.030	< 0.030	< 0.030

Deviations

In accordance with UKAS Policy on Deviating Samples TPS 63. Chemtest have a procedure to ensure 'upon receipt of each sample a competent laboratory shall assess whether the sample is suitable with regard to the requested test(s)'. This policy and the respective holding times applied, can be supplied upon request.The reason a sample is declared as deviating is detailed below. Where applicable the analysis remains UKAS/MCERTs accredited but the results may be compromised.

Sample:	Sample Ref:	Sample ID:	Sample Location:	Sampled Date:	Deviation Code(s):	Containers Received:
1204423			P12	18-May-2021	C	EPA Vial 40ml
1204423			P12	18-May-2021	C	Plastic Bottle 1000ml

Test Methods

SOP	Title	Parameters included	Method summary
1010	pH Value of Waters	pH	pH Meter
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Conductivity Meter
1030	Total Suspended Solids	Total suspended solids	Filtration of a mixed sample through a standard glass fibre filter and determination of the mass of residue retained dried at 105°C.
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.
1300	Cyanides & Thiocyanate in Waters	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Continuous Flow Analysis.
1450	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).
1455	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).
1460	Mercury low-level in Waters by AFS	Mercury	Atomic Fluorescence Spectrometry, with collimated UV source, wavelength 253.7 nm.
1495	Low Level Hexavalent Chromium in Waters	Chromium [VI]	Colorimetric determination of hexavalent chromium expressed as Cr (VI) µg/l in water, using Ion Chromatography and UV-visible spectrophotometry.
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation
1670	Total Petroleum Hydrocarbons (TPH) in Waters by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO	Pentane extraction / GC FID detection
1700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Waters by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
1760	Volatile Organic Compounds (VOCs) in Waters by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics. (cf. USEPA Method 8260)	Automated headspace gas chromatographic (GC) analysis of water samples with mass spectrometric (MS) detection of volatile organic compounds.
1790	Semi-Volatile Organic Compounds (SVOCs) in Waters by GC-MS	Semi-volatile organic compounds	Solvent extraction / GCMS detection
1815	Polychlorinated Biphenyls (PCB) ICES7 Congeners in Waters by GC-MS	ICES7 PCB congeners	Solvent extraction / GCMS detection
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at the indicated laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container
E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

Eurofins Chemtest Ltd
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.com

Final Report

Report No.:	21-40629-1		
Initial Date of Issue:	09-Dec-2021		
Client	Atkins Ltd		
Client Address:	The Axis 10 Holliday Street Birmingham West Midlands B1 1TF		
Contact(s):	Natasha Glynn		
Project	5185703 Sizewell C		
Quotation No.:	Q20-21888	**Date Received:**	19-Nov-2021
Order No.:	IFS10554	**Date Instructed:**	19-Nov-2021
No. of Samples:	12		
Turnaround (Wkdays):	5	**Results Due:**	25-Nov-2021
Date Approved:	03-Dec-2021		
Approved By:			
Details:	Glynn Harvey, Technical Manager		

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		21-40629	21-40629	21-40629	21-40629	21-40629	21-40629	21-40629	21-40629
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1322890	1322891	1322892	1322893	1322894	1322895	1322896	1322897
			Sample Location:		BP23	C3S	C3D	G1	P13	C4S	C4D	G6a
			Sample Type:		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Top Depth (m):		9.00	5.00	15.00	0.00	1.50	4.50	16.00	0.00
			Date Sampled:		16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021
Determinand	**Accred.**	**SOP**	**Units**	**LOD**								
pH	U	1010		N/A	8.3	8.2	8.3	7.8	7.4	7.8	7.2	7.6
Electrical Conductivity	U	1020	µS/cm	1.0	970	880	330	1000	950	250	2600	1100
Suspended Solids At 105C	U	1030	mg/l	5.0	27	37	54	38	940	84	68	36
Aggressive Dissolved CO2	N	1160	mg/l	0.60	< 0.60	2.9	1.5		21	< 0.60	14	
Alkalinity (Total)	U	1220	mg/l	10	88	< 10	53	380	200	14	170	360
Chloride	U	1220	mg/l	1.0	140	300	46	140	210	26	680	120
Ammonium	U	1220	mg/l	0.050	< 0.050	0.090	0.072	0.39	< 0.050	0.26	0.27	0.33
Ammoniacal Nitrogen	U	1220	mg/l	0.050	< 0.050	0.075	0.062	0.31	< 0.050	0.21	0.21	0.26
Nitrite	U	1220	mg/l	0.020	< 0.020	< 0.020	< 0.020	0.28	< 0.020	< 0.020	< 0.020	0.15
Nitrate	U	1220	mg/l	0.50	110	5.8	< 0.50	16	< 0.50	26	< 0.50	21
Phosphate	U	1220	mg/l	0.200	< 0.20	< 0.20	0.21	< 0.20	< 0.20	0.28	< 0.20	0.26
Phosphorus (Dissolved)	U	1220	mg/l	0.020	0.049	< 0.020	0.069	0.039	0.039	0.091	< 0.020	0.085
Sulphate	U	1220	mg/l	1.0	65	34	36	73	< 1.0	25	50	74
Total Oxidised Nitrogen	U	1220	mg/l	0.20	25	1.3	< 0.20	3.6	< 0.20	5.9	< 0.20	4.8
Cyanide (Free) Low-Level	N	1300	mg/l	0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Calcium	U	1455	mg/l	2.00	100	10	33	140	95	6.7	330	140
Potassium	U	1455	mg/l	0.50	8.9	5.7	2.0	8.3	7.1	2.8	14	8.0
Magnesium	U	1455	mg/l	0.20	22	19	1.7	12	29	6.2	19	11
Sodium	U	1455	mg/l	1.50	36	120	24	56	48	24	120	51
Arsenic (Dissolved)	U	1455	µg/l	0.20	0.31	< 0.20	1.4	0.88	29	1.8	1.1	0.76
Boron (Dissolved)	U	1455	µg/l	10.0	870	900	760	840	1100	920	830	820
Cadmium (Dissolved)	U	1455	µg/l	0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Chromium (Dissolved)	U	1455	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	1.1	< 0.50	< 0.50	< 0.50
Copper (Dissolved)	U	1455	µg/l	0.50	< 0.50	0.54	< 0.50	0.71	4.6	3.8	3.5	0.71
Iron (Dissolved)	N	1455	µg/l	5.0	< 5.0	27	< 5.0	43	36000	670	1300	26
Manganese (Dissolved)	U	1455	µg/l	0.50	2.7	2300	110	250	1900	78	100	190
Nickel (Dissolved)	U	1455	µg/l	0.50	0.72	5.8	< 0.50	0.76	9.6	1.1	2.3	0.73
Lead (Dissolved)	U	1455	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.79	1.2	1.9	< 0.50
Zinc (Dissolved)	U	1455	µg/l	2.5	5.4	13	< 2.5	8.8	31	23	35	9.0
Mercury Low Level	U	1460	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Low-Level Chromium (Hexavalent)	U	1495	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chromium (Trivalent) LL	U	1450	µg/l	1	< 1	< 1	< 1	< 1	1	< 1	< 1	< 1
Dissolved Organic Carbon Low Level	N	1610	mg/l	N/A	2.0	3.7	1.0	8.1	23	1.6	1.9	7.0
Total TPH >C6-C40	U	1670	µg/l	10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Naphthalene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Acenaphthylene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Acenaphthene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Fluorene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Phenanthrene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Anthracene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		21-40629	21-40629	21-40629	21-40629	21-40629	21-40629	21-40629	21-40629
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1322890	1322891	1322892	1322893	1322894	1322895	1322896	1322897
			Sample Location:		BP23	C3S	C3D	G1	P13	C4S	C4D	G6a
			Sample Type:		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Top Depth (m):		9.00	5.00	15.00	0.00	1.50	4.50	16.00	0.00
			Date Sampled:		16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021
Determinand	**Accred.**	**SOP**	**Units**	**LOD**								
Fluoranthene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Pyrene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzo[a]anthracene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Chrysene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzo[b]fluoranthene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzo[k]fluoranthene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzo[a]pyrene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Indeno(1,2,3-c,d)Pyrene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dibenz(a,h)Anthracene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzo[g,h,i]perylene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Of 16 PAH's	N	1700	µg/l	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Dichlorodifluoromethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chloromethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Vinyl Chloride	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromomethane	N	1760	µg/l	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chloroethane	N	1760	µg/l	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Trichlorofluoromethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1-Dichloroethene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trans 1,2-Dichloroethene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1-Dichloroethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
cis 1,2-Dichloroethene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromochloromethane	N	1760	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloromethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1,1-Trichloroethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Tetrachloromethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1-Dichloropropene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2-Dichloroethane	N	1760	µg/l	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Trichloroethene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2-Dichloropropane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibromomethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromodichloromethane	N	1760	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,3-Dichloropropene	N	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	20	< 0.10	< 0.10	< 0.10
Trans-1,3-Dichloropropene	N	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	N	1760	µg/l	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,3-Dichloropropane	N	1760	µg/l	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Dibromochloromethane	N	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	N	1760	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd					**Chemtest Job No.:**	21-40629	21-40629	21-40629	21-40629	21-40629	21-40629	21-40629
Quotation No.: Q20-21888					**Chemtest Sample ID.:**	1322890	1322891	1322892	1322893	1322894	1322895	1322896	1322897
					Sample Location:	BP23	C3S	C3D	G1	P13	C4S	C4D	G6a
					Sample Type:	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
					Top Depth (m):	9.00	5.00	15.00	0.00	1.50	4.50	16.00	0.00
					Date Sampled:	16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Chlorobenzene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1,1,2-Tetrachloroethane	N	1760	µg/l	0.20		< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
m & p-Xylene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
o-Xylene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Styrene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Tribromomethane	N	1760	µg/l	1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Isopropylbenzene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromobenzene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2,3-Trichloropropane	N	1760	µg/l	5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Propylbenzene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2-Chlorotoluene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,3,5-Trimethylbenzene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Chlorotoluene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Tert-Butylbenzene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2,4-Trimethylbenzene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Sec-Butylbenzene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,3-Dichlorobenzene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Isopropyltoluene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,4-Dichlorobenzene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
N-Butylbenzene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2-Dichlorobenzene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2-Dibromo-3-Chloropropane	N	1760	µg/l	5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2,4-Trichlorobenzene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Hexachlorobutadiene	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2,3-Trichlorobenzene	N	1760	µg/l	0.20		< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Methyl Tert-Butyl Ether	N	1760	µg/l	0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
N-Nitrosodimethylamine	N	1790	µg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Phenol	N	1790	µg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chlorophenol	N	1790	µg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bis-(2-Chloroethyl)Ether	N	1790	µg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,3-Dichlorobenzene	N	1790	µg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,4-Dichlorobenzene	N	1790	µg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichlorobenzene	N	1790	µg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methylphenol (o-Cresol)	N	1790	µg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bis(2-Chloroisopropyl)Ether	N	1790	µg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachloroethane	N	1790	µg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
N-Nitrosodi-n-propylamine	N	1790	µg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Methylphenol	N	1790	µg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Nitrobenzene	N	1790	µg/l	0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		21-40629	21-40629	21-40629	21-40629	21-40629	21-40629	21-40629	21-40629
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1322890	1322891	1322892	1322893	1322894	1322895	1322896	1322897
			Sample Location:		BP23	C3S	C3D	G1	P13	C4S	C4D	G6a
			Sample Type:		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Top Depth (m):		9.00	5.00	15.00	0.00	1.50	4.50	16.00	0.00
			Date Sampled:		16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021
Determinand	**Accred.**	**SOP**	**Units**	**LOD**								
Isophorone	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Nitrophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dimethylphenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bis(2-Chloroethoxy)Methane	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dichlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2,4-Trichlorobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Naphthalene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroaniline	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorobutadiene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloro-3-Methylphenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methylnaphthalene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorocyclopentadiene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4,6-Trichlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4,5-Trichlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chloronaphthalene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Nitroaniline	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Acenaphthylene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dimethylphthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,6-Dinitrotoluene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Acenaphthene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
3-Nitroaniline	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibenzofuran	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chlorophenylphenylether	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dinitrotoluene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Fluorene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Diethyl Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Nitroaniline	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methyl-4,6-Dinitrophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Azobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Bromophenylphenyl Ether	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Pentachlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Phenanthrene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Anthracene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbazole	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Di-N-Butyl Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Fluoranthene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Pyrene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Butylbenzyl Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[a]anthracene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		21-40629	21-40629	21-40629	21-40629	21-40629	21-40629	21-40629	21-40629
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1322890	1322891	1322892	1322893	1322894	1322895	1322896	1322897
			Sample Location:		BP23	C3S	C3D	G1	P13	C4S	C4D	G6a
			Sample Type:		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Top Depth (m):		9.00	5.00	15.00	0.00	1.50	4.50	16.00	0.00
			Date Sampled:		16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021
Determinand	**Accred.**	**SOP**	**Units**	**LOD**								
Chrysene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bis(2-Ethylhexyl)Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Di-N-Octyl Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[b]fluoranthene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[k]fluoranthene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[a]pyrene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Indeno(1,2,3-c,d)Pyrene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibenz(a,h)Anthracene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[g,h,i]perylene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Nitrophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
PCB 28	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 81	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 52	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 77	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 105	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 90+101	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 114	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 118	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 118	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 153	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 123	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 138	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 126	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 180	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 156	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 157	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 167	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 169	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 189	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total PCBs (12 Congeners)	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total PCBs (7 congeners)	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Phenols	U	1920	mg/l	0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		21-40629	21-40629	21-40629	21-40629
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1322898	1322899	1322900	1322903
			Sample Location:		G8	DUP A	BP1028	BP28
			Sample Type:		WATER	WATER	WATER	WATER
			Top Depth (m):		0.00	0.00	18.00	18.00
			Date Sampled:		16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021
Determinand	**Accred.**	**SOP**	**Units**	**LOD**				
pH	U	1010		N/A	7.7	7.7	7.5	8.5
Electrical Conductivity	U	1020	µS/cm	1.0	1200	1100	700	750
Suspended Solids At 105C	U	1030	mg/l	5.0	26	47	19	27
Aggressive Dissolved CO2	N	1160	mg/l	0.60			8.9	< 0.60
Alkalinity (Total)	U	1220	mg/l	10	370	340	28	28
Chloride	U	1220	mg/l	1.0	210	120	86	82
Ammonium	U	1220	mg/l	0.050	0.28	0.31	0.13	0.053
Ammoniacal Nitrogen	U	1220	mg/l	0.050	0.23	0.25	0.10	< 0.050
Nitrite	U	1220	mg/l	0.020	0.26	0.15	< 0.020	< 0.020
Nitrate	U	1220	mg/l	0.50	15	21	98	98
Phosphate	U	1220	mg/l	0.200	< 0.20	0.26	< 0.20	< 0.20
Phosphorus (Dissolved)	U	1220	mg/l	0.020	0.039	0.085	0.021	0.039
Sulphate	U	1220	mg/l	1.0	74	75	60	58
Total Oxidised Nitrogen	U	1220	mg/l	0.20	3.4	4.8	22	22
Cyanide (Free) Low-Level	N	1300	mg/l	0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Calcium	U	1455	mg/l	2.00	140	140	60	62
Potassium	U	1455	mg/l	0.50	9.1	8.3	11	11
Magnesium	U	1455	mg/l	0.20	15	12	13	13
Sodium	U	1455	mg/l	1.50	79	52	30	30
Arsenic (Dissolved)	U	1455	µg/l	0.20	0.86	0.75	0.32	0.44
Boron (Dissolved)	U	1455	µg/l	10.0	880	70	75	100
Cadmium (Dissolved)	U	1455	µg/l	0.11	< 0.11	< 0.11	0.50	0.46
Chromium (Dissolved)	U	1455	µg/l	0.50	< 0.50	< 0.50	< 0.50	0.51
Copper (Dissolved)	U	1455	µg/l	0.50	1.0	0.51	1.1	1.0
Iron (Dissolved)	N	1455	µg/l	5.0	34	32	< 5.0	< 5.0
Manganese (Dissolved)	U	1455	µg/l	0.50	340	200	60	75
Nickel (Dissolved)	U	1455	µg/l	0.50	0.83	0.69	17	15
Lead (Dissolved)	U	1455	µg/l	0.50	< 0.50	< 0.50	0.66	< 0.50
Zinc (Dissolved)	U	1455	µg/l	2.5	13	7.4	8.2	6.7
Mercury Low Level	U	1460	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010
Low-Level Chromium (Hexavalent)	U	1495	µg/l	0.10	< 0.10	< 0.10	< 0.10	U/S
Chromium (Trivalent) LL	U	1450	µg/l	1	< 1	< 1	< 1	U/S
Dissolved Organic Carbon Low Level	N	1610	mg/l	N/A	8.9	7.1	3.2	3.2
Total TPH >C6-C40	U	1670	µg/l	10	< 10	< 10	< 10	< 10
Naphthalene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	[C] < 0.010
Acenaphthylene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	[C] < 0.010
Acenaphthene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	[C] < 0.010
Fluorene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	[C] < 0.010
Phenanthrene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	[C] < 0.010
Anthracene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	[C] < 0.010

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		21-40629	21-40629	21-40629	21-40629
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1322898	1322899	1322900	1322903
			Sample Location:		G8	DUP A	BP1028	BP28
			Sample Type:		WATER	WATER	WATER	WATER
			Top Depth (m):		0.00	0.00	18.00	18.00
			Date Sampled:		16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021
Determinand	**Accred.**	**SOP**	**Units**	**LOD**				
Fluoranthene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	[C] < 0.010
Pyrene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	[C] < 0.010
Benzo[a]anthracene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	[C] < 0.010
Chrysene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	[C] < 0.010
Benzo[b]fluoranthene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	[C] < 0.010
Benzo[k]fluoranthene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	[C] < 0.010
Benzo[a]pyrene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	[C] < 0.010
Indeno(1,2,3-c,d)Pyrene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	[C] < 0.010
Dibenz(a,h)Anthracene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	[C] < 0.010
Benzo[g,h,i]perylene	N	1700	µg/l	0.010	< 0.010	< 0.010	< 0.010	[C] < 0.010
Total Of 16 PAH's	N	1700	µg/l	0.20	< 0.20	< 0.20	< 0.20	[C] < 0.20
Dichlorodifluoromethane	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
Chloromethane	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
Vinyl Chloride	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
Bromomethane	N	1760	µg/l	2.0	< 2.0	[C] < 2.0	< 2.0	< 2.0
Chloroethane	N	1760	µg/l	0.20	< 0.20	[C] < 0.20	< 0.20	< 0.20
Trichlorofluoromethane	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
1,1-Dichloroethene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
Trans 1,2-Dichloroethene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
1,1-Dichloroethane	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
cis 1,2-Dichloroethene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
Bromochloromethane	N	1760	µg/l	0.50	< 0.50	[C] < 0.50	< 0.50	< 0.50
Trichloromethane	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	0.10	< 0.10
1,1,1-Trichloroethane	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
Tetrachloromethane	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
1,1-Dichloropropene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
Benzene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
1,2-Dichloroethane	N	1760	µg/l	0.20	< 0.20	[C] < 0.20	< 0.20	< 0.20
Trichloroethene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
1,2-Dichloropropane	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
Dibromomethane	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
Bromodichloromethane	N	1760	µg/l	0.50	< 0.50	[C] < 0.50	< 0.50	< 0.50
cis-1,3-Dichloropropene	N	1760	µg/l	1.0	< 1.0	[C] < 1.0	< 1.0	< 1.0
Toluene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
Trans-1,3-Dichloropropene	N	1760	µg/l	1.0	< 1.0	[C] < 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	N	1760	µg/l	0.1	< 0.1	[C] < 0.1	< 0.1	< 0.1
Tetrachloroethene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
1,3-Dichloropropane	N	1760	µg/l	0.20	< 0.20	[C] < 0.20	< 0.20	< 0.20
Dibromochloromethane	N	1760	µg/l	1.0	< 1.0	[C] < 1.0	< 1.0	< 1.0
1,2-Dibromoethane	N	1760	µg/l	0.50	< 0.50	[C] < 0.50	< 0.50	< 0.50

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		21-40629	21-40629	21-40629	21-40629
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1322898	1322899	1322900	1322903
			Sample Location:		G8	DUP A	BP1028	BP28
			Sample Type:		WATER	WATER	WATER	WATER
			Top Depth (m):		0.00	0.00	18.00	18.00
			Date Sampled:		16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021
Determinand	**Accred.**	**SOP**	**Units**	**LOD**				
Chlorobenzene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
1,1,1,2-Tetrachloroethane	N	1760	µg/l	0.20	< 0.20	[C] < 0.20	< 0.20	< 0.20
Ethylbenzene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
m & p-Xylene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
o-Xylene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
Styrene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
Tribromomethane	N	1760	µg/l	1.0	< 1.0	[C] < 1.0	< 1.0	< 1.0
Isopropylbenzene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
Bromobenzene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
1,2,3-Trichloropropane	N	1760	µg/l	5	< 5	[C] < 5	< 5	< 5
N-Propylbenzene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
2-Chlorotoluene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
1,3,5-Trimethylbenzene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
4-Chlorotoluene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
Tert-Butylbenzene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
1,2,4-Trimethylbenzene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
Sec-Butylbenzene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
1,3-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
4-Isopropyltoluene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
1,4-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
N-Butylbenzene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
1,2-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
1,2-Dibromo-3-Chloropropane	N	1760	µg/l	5	< 5	[C] < 5	< 5	< 5
1,2,4-Trichlorobenzene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
Hexachlorobutadiene	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
1,2,3-Trichlorobenzene	N	1760	µg/l	0.20	< 0.20	[C] < 0.20	< 0.20	< 0.20
Methyl Tert-Butyl Ether	N	1760	µg/l	0.10	< 0.10	[C] < 0.10	< 0.10	< 0.10
N-Nitrosodimethylamine	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Phenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bis-(2-Chloroethyl)Ether	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,3-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,4-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methylphenol (o-Cresol)	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bis(2-Chloroisopropyl)Ether	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachloroethane	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
N-Nitrosodi-n-propylamine	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Methylphenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Nitrobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		21-40629	21-40629	21-40629	21-40629
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1322898	1322899	1322900	1322903
			Sample Location:		G8	DUP A	BP1028	BP28
			Sample Type:		WATER	WATER	WATER	WATER
			Top Depth (m):		0.00	0.00	18.00	18.00
			Date Sampled:		16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021
Determinand	**Accred.**	**SOP**	**Units**	**LOD**				
Isophorone	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Nitrophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dimethylphenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bis(2-Chloroethoxy)Methane	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dichlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2,4-Trichlorobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Naphthalene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroaniline	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorobutadiene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloro-3-Methylphenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methylnaphthalene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorocyclopentadiene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4,6-Trichlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4,5-Trichlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chloronaphthalene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Nitroaniline	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Acenaphthylene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dimethylphthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,6-Dinitrotoluene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Acenaphthene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
3-Nitroaniline	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibenzofuran	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chlorophenylphenylether	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dinitrotoluene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Fluorene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Diethyl Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Nitroaniline	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methyl-4,6-Dinitrophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Azobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Bromophenylphenyl Ether	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Pentachlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Phenanthrene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Anthracene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbazole	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Di-N-Butyl Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Fluoranthene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Pyrene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Butylbenzyl Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[a]anthracene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd		**Chemtest Job No.:**			21-40629	21-40629	21-40629	21-40629
Quotation No.: Q20-21888		**Chemtest Sample ID.:**			1322898	1322899	1322900	1322903
			Sample Location:		G8	DUP A	BP1028	BP28
			Sample Type:		WATER	WATER	WATER	WATER
			Top Depth (m):		0.00	0.00	18.00	18.00
			Date Sampled:		16-Nov-2021	16-Nov-2021	16-Nov-2021	16-Nov-2021
Determinand	**Accred.**	**SOP**	**Units**	**LOD**				
Chrysene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bis(2-Ethylhexyl)Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Di-N-Octyl Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[b]fluoranthene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[k]fluoranthene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[a]pyrene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Indeno(1,2,3-c,d)Pyrene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibenz(a,h)Anthracene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[g,h,i]perylene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Nitrophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50
PCB 28	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 81	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 52	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 77	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 105	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 90+101	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 114	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 118	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 118	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 153	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 123	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 138	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 126	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 180	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 156	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 157	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 167	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 169	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 189	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total PCBs (12 Congeners)	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total PCBs (7 congeners)	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Phenols	U	1920	mg/l	0.030	< 0.030	< 0.030	< 0.030	[C] < 0.030

Deviations

In accordance with UKAS Policy on Deviating Samples TPS 63. Chemtest have a procedure to ensure 'upon receipt of each sample a competent laboratory shall assess whether the sample is suitable with regard to the requested test(s)'. This policy and the respective holding times applied, can be supplied upon request.The reason a sample is declared as deviating is detailed below. Where applicable the analysis remains UKAS/MCERTs accredited but the results may be compromised.

Sample:	Sample Ref:	Sample ID:	Sample Location:	Sampled Date:	Deviation Code(s):	Containers Received:
1322899			DUP A	16-Nov-2021	C	Coloured Winchester 1000ml
1322899			DUP A	16-Nov-2021	C	Plastic Bottle 1000ml
1322903			BP28	16-Nov-2021	C	EPA Vial 40ml
1322903			BP28	16-Nov-2021	C	Plastic Bottle 1000ml

Test Methods

SOP	Title	Parameters included	Method summary
1010	pH Value of Waters	pH	pH Meter
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Conductivity Meter
1030	Total Suspended Solids	Total suspended solids	Filtration of a mixed sample through a standard glass fibre filter and determination of the mass of residue retained dried at 105°C.
1160	Aggressive Dissolved CO2	Aggressive Dissolved CO2	Titration
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.
1300	Cyanides & Thiocyanate in Waters	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Continuous Flow Analysis.
1450	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).
1455	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).
1460	Mercury low-level in Waters by AFS	Mercury	Atomic Fluorescence Spectrometry, with collimated UV source, wavelength 253.7 nm.
1495	Low Level Hexavalent Chromium in Waters	Chromium [VI]	Colorimetric determination of hexavalent chromium expressed as Cr (VI) µg/l in water, using Ion Chromatography and UV-visible spectrophotometry.
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation
1670	Total Petroleum Hydrocarbons (TPH) in Waters by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO	Pentane extraction / GC FID detection
1700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Waters by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
1760	Volatile Organic Compounds (VOCs) in Waters by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics. (cf. USEPA Method 8260)	Automated headspace gas chromatographic (GC) analysis of water samples with mass spectrometric (MS) detection of volatile organic compounds.
1790	Semi-Volatile Organic Compounds (SVOCs) in Waters by GC-MS	Semi-volatile organic compounds	Solvent extraction / GCMS detection
1815	Polychlorinated Biphenyls (PCB) ICES7 Congeners in Waters by GC-MS	ICES7 PCB congeners	Solvent extraction / GCMS detection
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at the indicated laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container
E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

Eurofins Chemtest Ltd
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.com

Final Report

Report No.:	22-23813-1
Initial Date of Issue:	01-Jul-2022
Client	Atkins Ltd
Client Address:	The Axis 10 Holliday Street Birmingham West Midlands B1 1TF
Contact(s):	Alice Smith Natasha Glynn
Project	5185703 Sizewell C
Quotation No.:	Q21-25865
Order No.:	IFS10554
No. of Samples:	10
Turnaround (Wkdays):	5
Date Approved:	01-Jul-2022
Approved By:	
Details:	Stuart Henderson, Technical Manager

Date Received:	24-Jun-2022
Date Instructed:	24-Jun-2022
Results Due:	30-Jun-2022

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		22-23813	22-23813	22-23813	22-23813	22-23813	22-23813	22-23813	22-23813	22-23813
Quotation No.: Q21-25865			**Chemtest Sample ID.:**		1455391	1455392	1455393	1455394	1455395	1455396	1455397	1455398	1455399
			Sample Location:		PIE2-3B	PIE2-3A	PIE2-1B	PIE2-1A	C3S	C3D	PIE2-2A	K2S	P9
			Sample Type:		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Date Sampled:		23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
pH	U	1010		N/A	8.1	8.3	8.4	8.4	8.1	8.6	8.4	8.4	8.3
Electrical Conductivity	U	1020	µS/cm	1.0	1400	1500	1500	1600	1400	1500	1700	1600	1900
Suspended Solids At 105C	U	1030	mg/l	5.0	850	17	12	62	35	73	11	190	130
Alkalinity (Total)	U	1220	mg/l	10	410	450	470	510	55	96	410	71	420
Chloride	U	1220	mg/l	1.0	53	53	680	350	140	71	620	120	95
Ammonium	U	1220	mg/l	0.050	0.34	0.42	1.1	0.56	0.41	0.23	0.24	0.44	0.36
Ammoniacal Nitrogen	U	1220	mg/l	0.050	0.29	0.36	0.93	0.50	0.34	0.22	0.21	0.39	0.31
Nitrite	U	1220	mg/l	0.020	0.068	0.069	0.063	0.063	0.097	0.065	0.32	0.061	0.072
Nitrate	U	1220	mg/l	0.50	< 0.50	< 0.50	< 0.50	0.92	3.1	< 0.50	8.9	81	< 0.50
Phosphate	U	1220	mg/l	0.200	< 0.20	< 0.20	2.3	0.90	< 0.20	0.32	< 0.20	< 0.20	< 0.20
Phosphorus (Dissolved)	U	1220	mg/l	0.020	0.052	< 0.020	0.75	0.29	< 0.020	0.10	< 0.020	< 0.020	< 0.020
Sulphate	U	1220	mg/l	1.0	24	65	37	25	32	43	160	85	92
Total Oxidised Nitrogen	U	1220	mg/l	0.20	< 0.20	< 0.20	< 0.20	0.23	0.72	< 0.20	2.1	18	< 0.20
Cyanide (Free) Low-Level	N	1300	mg/l	0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Calcium	U	1455	mg/l	2.00	130	130	88	65	5.3	39	170	38	160
Potassium	U	1455	mg/l	0.50	3.2	3.7	12	7.3	3.5	2.2	16	2.9	2.3
Magnesium	U	1455	mg/l	0.20	7.6	9.1	2.8	3.2	9.1	2.2	13	4.5	11
Sodium	U	1455	mg/l	1.50	34	30	380	240	60	26	270	65	41
Arsenic (Dissolved)	U	1455	µg/l	0.20	2.5	0.75	3.4	7.8	0.88	2.7	1.7	0.99	0.83
Boron (Dissolved)	U	1455	µg/l	10.0	47	37	40	130	29	< 10	55	31	39
Cadmium (Dissolved)	U	1455	µg/l	0.11	0.49	0.44	0.58	0.62	0.65	0.84	0.57	0.60	0.49
Chromium (Dissolved)	U	1455	µg/l	0.50	< 0.50	2.0	6.9	8.1	5.8	< 0.50	1.3	< 0.50	< 0.50
Copper (Dissolved)	U	1455	µg/l	0.50	< 0.50	1.4	1.0	3.6	1.2	< 0.50	6.4	< 0.50	< 0.50
Iron (Dissolved)	N	1455	µg/l	5.0	100	6.2	580	340	< 5.0	< 5.0	< 5.0	< 5.0	25
Manganese (Dissolved)	U	1455	µg/l	0.50	1100	820	120	74	870	210	260	16	29
Nickel (Dissolved)	U	1455	µg/l	0.50	0.95	< 0.50	3.6	3.0	2.0	< 0.50	8.6	< 0.50	< 0.50
Lead (Dissolved)	U	1455	µg/l	0.50	< 0.50	< 0.50	0.65	1.4	< 0.50	1.2	0.50	< 0.50	< 0.50
Zinc (Dissolved)	U	1455	µg/l	2.5	5.3	5.0	6.6	4.9	9.3	3.8	6.4	9.4	6.6
Mercury Low Level	U	1460	µg/l	0.010	0.091	0.39	0.91	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Chromium (Hexavalent)	U	1490	µg/l	20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Chromium (Trivalent) LL	U	1450	µg/l	1	< 1	2	7	8	6	< 1	1	< 1	< 1
Total Organic Carbon	U	1610	mg/l	2.0	18	5.4	47	36	2.9	< 2.0	15	2.4	2.6
Aliphatic TPH >C5-C6	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C6-C8	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C8-C10	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C10-C12	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C12-C16	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C16-C21	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C21-C35	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C35-C44	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Aliphatic Hydrocarbons	N	1675	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			Chemtest Job No.:		22-23813	22-23813	22-23813	22-23813	22-23813	22-23813	22-23813	22-23813	22-23813
Quotation No.: Q21-25865			Chemtest Sample ID.:		1455391	1455392	1455393	1455394	1455395	1455396	1455397	1455398	1455399
			Sample Location:		PIE2-3B	PIE2-3A	PIE2-1B	PIE2-1A	C3S	C3D	PIE2-2A	K2S	P9
			Sample Type:		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Date Sampled:		23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Aromatic TPH >C5-C7	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C7-C8	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C8-C10	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C10-C12	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C12-C16	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C16-C21	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C21-C35	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C35-C44	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Aromatic Hydrocarbons	N	1675	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Petroleum Hydrocarbons	N	1675	µg/l	10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dichlorodifluoromethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chloromethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Vinyl Chloride	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromomethane	N	1760	µg/l	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chloroethane	N	1760	µg/l	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Trichlorofluoromethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1-Dichloroethene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trans 1,2-Dichloroethene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1-Dichloroethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
cis 1,2-Dichloroethene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromochloromethane	N	1760	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloromethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1,1-Trichloroethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Tetrachloromethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1-Dichloropropene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2-Dichloroethane	N	1760	µg/l	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Trichloroethene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2-Dichloropropane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibromomethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromodichloromethane	N	1760	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,3-Dichloropropene	N	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trans-1,3-Dichloropropene	N	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	N	1760	µg/l	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,3-Dichloropropane	N	1760	µg/l	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Dibromochloromethane	N	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	N	1760	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1,1,2-Tetrachloroethane	N	1760	µg/l	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd		Chemtest Job No.:			22-23813	22-23813	22-23813	22-23813	22-23813	22-23813	22-23813	22-23813	22-23813
Quotation No.: Q21-25865		Chemtest Sample ID.:			1455391	1455392	1455393	1455394	1455395	1455396	1455397	1455398	1455399
		Sample Location:			PIE2-3B	PIE2-3A	PIE2-1B	PIE2-1A	C3S	C3D	PIE2-2A	K2S	P9
		Sample Type:			WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
		Date Sampled:			23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Ethylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
m & p-Xylene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
o-Xylene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Styrene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Tribromomethane	N	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Isopropylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromobenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2,3-Trichloropropane	N	1760	µg/l	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Propylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2-Chlorotoluene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,3,5-Trimethylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Chlorotoluene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Tert-Butylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2,4-Trimethylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Sec-Butylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,3-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Isopropyltoluene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,4-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
N-Butylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2-Dibromo-3-Chloropropane	N	1760	µg/l	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2,4-Trichlorobenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Hexachlorobutadiene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2,3-Trichlorobenzene	N	1760	µg/l	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Methyl Tert-Butyl Ether	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
N-Nitrosodimethylamine	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Phenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bis-(2-Chloroethyl)Ether	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,3-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,4-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methylphenol (o-Cresol)	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bis(2-Chloroisopropyl)Ether	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachloroethane	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
N-Nitrosodi-n-propylamine	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Methylphenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Nitrobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Isophorone	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Nitrophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dimethylphenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		22-23813	22-23813	22-23813	22-23813	22-23813	22-23813	22-23813	22-23813	22-23813
Quotation No.: Q21-25865			**Chemtest Sample ID.:**		1455391	1455392	1455393	1455394	1455395	1455396	1455397	1455398	1455399
			Sample Location:		PIE2-3B	PIE2-3A	PIE2-1B	PIE2-1A	C3S	C3D	PIE2-2A	K2S	P9
			Sample Type:		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Date Sampled:		23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Bis(2-Chloroethoxy)Methane	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dichlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2,4-Trichlorobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Naphthalene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroaniline	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorobutadiene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloro-3-Methylphenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methylnaphthalene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorocyclopentadiene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4,6-Trichlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4,5-Trichlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chloronaphthalene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Nitroaniline	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Acenaphthylene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dimethylphthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,6-Dinitrotoluene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Acenaphthene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
3-Nitroaniline	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibenzofuran	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chlorophenylphenylether	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dinitrotoluene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Fluorene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Diethyl Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Nitroaniline	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methyl-4,6-Dinitrophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Azobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Bromophenylphenyl Ether	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Pentachlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Phenanthrene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Anthracene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbazole	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Di-N-Butyl Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Fluoranthene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Pyrene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Butylbenzyl Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[a]anthracene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chrysene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bis(2-Ethylhexyl)Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Di-N-Octyl Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[b]fluoranthene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		22-23813	22-23813	22-23813	22-23813	22-23813	22-23813	22-23813	22-23813	22-23813
Quotation No.: Q21-25865			**Chemtest Sample ID.:**		1455391	1455392	1455393	1455394	1455395	1455396	1455397	1455398	1455399
			Sample Location:		PIE2-3B	PIE2-3A	PIE2-1B	PIE2-1A	C3S	C3D	PIE2-2A	K2S	P9
			Sample Type:		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Date Sampled:		23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Benzo[k]fluoranthene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[a]pyrene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Indeno(1,2,3-c,d)Pyrene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibenz(a,h)Anthracene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[g,h,i]perylene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Nitrophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Naphthalene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Acenaphthylene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Acenaphthene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Fluorene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Phenanthrene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Anthracene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Fluoranthene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Pyrene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzo[a]anthracene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Chrysene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzo[b]fluoranthene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzo[k]fluoranthene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzo[a]pyrene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Indeno(1,2,3-c,d)Pyrene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dibenz(a,h)Anthracene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzo[g,h,i]perylene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Of 16 PAH's	N	1800	µg/l	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
PCB 28	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 81	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 52	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 77	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 105	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 90+101	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 114	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 118	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 118	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 153	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 123	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 138	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 126	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 180	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 156	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 157	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 167	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 169	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd					**Chemtest Job No.:**	22-23813	22-23813	22-23813	22-23813	22-23813	22-23813	22-23813	22-23813
Quotation No.: Q21-25865					**Chemtest Sample ID.:**	1455391	1455392	1455393	1455394	1455395	1455396	1455397	1455398	1455399
					Sample Location:	PIE2-3B	PIE2-3A	PIE2-1B	PIE2-1A	C3S	C3D	PIE2-2A	K2S	P9
					Sample Type:	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
					Date Sampled:	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022
Determinand	**Accred.**	**SOP**	**Units**	**LOD**										
PCB 189	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total PCBs (12 Congeners)	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total PCBs (7 congeners)	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Phenols	U	1920	mg/l	0.030		< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		22-23813
Quotation No.: Q21-25865			**Chemtest Sample ID.:**		1455400
			Sample Location:		P10
			Sample Type:		WATER
			Date Sampled:		23-Jun-2022
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
pH	U	1010		N/A	8.1
Electrical Conductivity	U	1020	µS/cm	1.0	1900
Suspended Solids At 105C	U	1030	mg/l	5.0	56
Alkalinity (Total)	U	1220	mg/l	10	100
Chloride	U	1220	mg/l	1.0	2100
Ammonium	U	1220	mg/l	0.050	0.29
Ammoniacal Nitrogen	U	1220	mg/l	0.050	0.24
Nitrite	U	1220	mg/l	0.020	0.058
Nitrate	U	1220	mg/l	0.50	< 0.50
Phosphate	U	1220	mg/l	0.200	< 0.20
Phosphorus (Dissolved)	U	1220	mg/l	0.020	< 0.020
Sulphate	U	1220	mg/l	1.0	95
Total Oxidised Nitrogen	U	1220	mg/l	0.20	< 0.20
Cyanide (Free) Low-Level	N	1300	mg/l	0.0050	< 0.0050
Calcium	U	1455	mg/l	2.00	680
Potassium	U	1455	mg/l	0.50	17
Magnesium	U	1455	mg/l	0.20	71
Sodium	U	1455	mg/l	1.50	200
Arsenic (Dissolved)	U	1455	µg/l	0.20	0.76
Boron (Dissolved)	U	1455	µg/l	10.0	21
Cadmium (Dissolved)	U	1455	µg/l	0.11	0.35
Chromium (Dissolved)	U	1455	µg/l	0.50	< 0.50
Copper (Dissolved)	U	1455	µg/l	0.50	< 0.50
Iron (Dissolved)	N	1455	µg/l	5.0	110
Manganese (Dissolved)	U	1455	µg/l	0.50	590
Nickel (Dissolved)	U	1455	µg/l	0.50	1.1
Lead (Dissolved)	U	1455	µg/l	0.50	< 0.50
Zinc (Dissolved)	U	1455	µg/l	2.5	3.9
Mercury Low Level	U	1460	µg/l	0.010	< 0.010
Chromium (Hexavalent)	U	1490	µg/l	20	< 20
Chromium (Trivalent) LL	U	1450	µg/l	1	< 1
Total Organic Carbon	U	1610	mg/l	2.0	< 2.0
Aliphatic TPH >C5-C6	N	1675	µg/l	0.10	< 0.10
Aliphatic TPH >C6-C8	N	1675	µg/l	0.10	< 0.10
Aliphatic TPH >C8-C10	N	1675	µg/l	0.10	< 0.10
Aliphatic TPH >C10-C12	N	1675	µg/l	0.10	< 0.10
Aliphatic TPH >C12-C16	N	1675	µg/l	0.10	< 0.10
Aliphatic TPH >C16-C21	N	1675	µg/l	0.10	< 0.10
Aliphatic TPH >C21-C35	N	1675	µg/l	0.10	< 0.10
Aliphatic TPH >C35-C44	N	1675	µg/l	0.10	< 0.10
Total Aliphatic Hydrocarbons	N	1675	µg/l	5.0	< 5.0

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		22-23813
Quotation No.: Q21-25865			**Chemtest Sample ID.:**		1455400
			Sample Location:		P10
			Sample Type:		WATER
			Date Sampled:		23-Jun-2022
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
Aromatic TPH >C5-C7	N	1675	µg/l	0.10	< 0.10
Aromatic TPH >C7-C8	N	1675	µg/l	0.10	< 0.10
Aromatic TPH >C8-C10	N	1675	µg/l	0.10	< 0.10
Aromatic TPH >C10-C12	N	1675	µg/l	0.10	< 0.10
Aromatic TPH >C12-C16	N	1675	µg/l	0.10	< 0.10
Aromatic TPH >C16-C21	N	1675	µg/l	0.10	< 0.10
Aromatic TPH >C21-C35	N	1675	µg/l	0.10	< 0.10
Aromatic TPH >C35-C44	N	1675	µg/l	0.10	< 0.10
Total Aromatic Hydrocarbons	N	1675	µg/l	5.0	< 5.0
Total Petroleum Hydrocarbons	N	1675	µg/l	10	< 10
Dichlorodifluoromethane	N	1760	µg/l	0.10	< 0.10
Chloromethane	N	1760	µg/l	0.10	< 0.10
Vinyl Chloride	N	1760	µg/l	0.10	< 0.10
Bromomethane	N	1760	µg/l	2.0	< 2.0
Chloroethane	N	1760	µg/l	0.20	< 0.20
Trichlorofluoromethane	N	1760	µg/l	0.10	< 0.10
1,1-Dichloroethene	N	1760	µg/l	0.10	< 0.10
Trans 1,2-Dichloroethene	N	1760	µg/l	0.10	< 0.10
1,1-Dichloroethane	N	1760	µg/l	0.10	< 0.10
cis 1,2-Dichloroethene	N	1760	µg/l	0.10	< 0.10
Bromochloromethane	N	1760	µg/l	0.50	< 0.50
Trichloromethane	N	1760	µg/l	0.10	< 0.10
1,1,1-Trichloroethane	N	1760	µg/l	0.10	< 0.10
Tetrachloromethane	N	1760	µg/l	0.10	< 0.10
1,1-Dichloropropene	N	1760	µg/l	0.10	< 0.10
Benzene	N	1760	µg/l	0.10	< 0.10
1,2-Dichloroethane	N	1760	µg/l	0.20	< 0.20
Trichloroethene	N	1760	µg/l	0.10	< 0.10
1,2-Dichloropropane	N	1760	µg/l	0.10	< 0.10
Dibromomethane	N	1760	µg/l	0.10	< 0.10
Bromodichloromethane	N	1760	µg/l	0.50	< 0.50
cis-1,3-Dichloropropene	N	1760	µg/l	1.0	< 1.0
Toluene	N	1760	µg/l	0.10	< 0.10
Trans-1,3-Dichloropropene	N	1760	µg/l	1.0	< 1.0
1,1,2-Trichloroethane	N	1760	µg/l	0.1	< 0.1
Tetrachloroethene	N	1760	µg/l	0.10	< 0.10
1,3-Dichloropropane	N	1760	µg/l	0.20	< 0.20
Dibromochloromethane	N	1760	µg/l	1.0	< 1.0
1,2-Dibromoethane	N	1760	µg/l	0.50	< 0.50
Chlorobenzene	N	1760	µg/l	0.10	< 0.10
1,1,1,2-Tetrachloroethane	N	1760	µg/l	0.20	< 0.20

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		22-23813
Quotation No.: Q21-25865			**Chemtest Sample ID.:**		1455400
			Sample Location:		P10
			Sample Type:		WATER
			Date Sampled:		23-Jun-2022
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
Ethylbenzene	N	1760	µg/l	0.10	< 0.10
m & p-Xylene	N	1760	µg/l	0.10	< 0.10
o-Xylene	N	1760	µg/l	0.10	< 0.10
Styrene	N	1760	µg/l	0.10	< 0.10
Tribromomethane	N	1760	µg/l	1.0	< 1.0
Isopropylbenzene	N	1760	µg/l	0.10	< 0.10
Bromobenzene	N	1760	µg/l	0.10	< 0.10
1,2,3-Trichloropropane	N	1760	µg/l	5	< 5
N-Propylbenzene	N	1760	µg/l	0.10	< 0.10
2-Chlorotoluene	N	1760	µg/l	0.10	< 0.10
1,3,5-Trimethylbenzene	N	1760	µg/l	0.10	< 0.10
4-Chlorotoluene	N	1760	µg/l	0.10	< 0.10
Tert-Butylbenzene	N	1760	µg/l	0.10	< 0.10
1,2,4-Trimethylbenzene	N	1760	µg/l	0.10	< 0.10
Sec-Butylbenzene	N	1760	µg/l	0.10	< 0.10
1,3-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10
4-Isopropyltoluene	N	1760	µg/l	0.10	< 0.10
1,4-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10
N-Butylbenzene	N	1760	µg/l	0.10	< 0.10
1,2-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10
1,2-Dibromo-3-Chloropropane	N	1760	µg/l	5	< 5
1,2,4-Trichlorobenzene	N	1760	µg/l	0.10	< 0.10
Hexachlorobutadiene	N	1760	µg/l	0.10	< 0.10
1,2,3-Trichlorobenzene	N	1760	µg/l	0.20	< 0.20
Methyl Tert-Butyl Ether	N	1760	µg/l	0.10	< 0.10
N-Nitrosodimethylamine	N	1790	µg/l	0.50	< 0.50
Phenol	N	1790	µg/l	0.50	< 0.50
2-Chlorophenol	N	1790	µg/l	0.50	< 0.50
Bis-(2-Chloroethyl)Ether	N	1790	µg/l	0.50	< 0.50
1,3-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50
1,4-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50
1,2-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50
2-Methylphenol (o-Cresol)	N	1790	µg/l	0.50	< 0.50
Bis(2-Chloroisopropyl)Ether	N	1790	µg/l	0.50	< 0.50
Hexachloroethane	N	1790	µg/l	0.50	< 0.50
N-Nitrosodi-n-propylamine	N	1790	µg/l	0.50	< 0.50
4-Methylphenol	N	1790	µg/l	0.50	< 0.50
Nitrobenzene	N	1790	µg/l	0.50	< 0.50
Isophorone	N	1790	µg/l	0.50	< 0.50
2-Nitrophenol	N	1790	µg/l	0.50	< 0.50
2,4-Dimethylphenol	N	1790	µg/l	0.50	< 0.50

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		22-23813
Quotation No.: Q21-25865			**Chemtest Sample ID.:**		1455400
			Sample Location:		P10
			Sample Type:		WATER
			Date Sampled:		23-Jun-2022
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
Bis(2-Chloroethoxy)Methane	N	1790	µg/l	0.50	< 0.50
2,4-Dichlorophenol	N	1790	µg/l	0.50	< 0.50
1,2,4-Trichlorobenzene	N	1790	µg/l	0.50	< 0.50
Naphthalene	N	1790	µg/l	0.50	< 0.50
4-Chloroaniline	N	1790	µg/l	0.50	< 0.50
Hexachlorobutadiene	N	1790	µg/l	0.50	< 0.50
4-Chloro-3-Methylphenol	N	1790	µg/l	0.50	< 0.50
2-Methylnaphthalene	N	1790	µg/l	0.50	< 0.50
Hexachlorocyclopentadiene	N	1790	µg/l	0.50	< 0.50
2,4,6-Trichlorophenol	N	1790	µg/l	0.50	< 0.50
2,4,5-Trichlorophenol	N	1790	µg/l	0.50	< 0.50
2-Chloronaphthalene	N	1790	µg/l	0.50	< 0.50
2-Nitroaniline	N	1790	µg/l	0.50	< 0.50
Acenaphthylene	N	1790	µg/l	0.50	< 0.50
Dimethylphthalate	N	1790	µg/l	0.50	< 0.50
2,6-Dinitrotoluene	N	1790	µg/l	0.50	< 0.50
Acenaphthene	N	1790	µg/l	0.50	< 0.50
3-Nitroaniline	N	1790	µg/l	0.50	< 0.50
Dibenzofuran	N	1790	µg/l	0.50	< 0.50
4-Chlorophenylphenylether	N	1790	µg/l	0.50	< 0.50
2,4-Dinitrotoluene	N	1790	µg/l	0.50	< 0.50
Fluorene	N	1790	µg/l	0.50	< 0.50
Diethyl Phthalate	N	1790	µg/l	0.50	< 0.50
4-Nitroaniline	N	1790	µg/l	0.50	< 0.50
2-Methyl-4,6-Dinitrophenol	N	1790	µg/l	0.50	< 0.50
Azobenzene	N	1790	µg/l	0.50	< 0.50
4-Bromophenylphenyl Ether	N	1790	µg/l	0.50	< 0.50
Hexachlorobenzene	N	1790	µg/l	0.50	< 0.50
Pentachlorophenol	N	1790	µg/l	0.50	< 0.50
Phenanthrene	N	1790	µg/l	0.50	< 0.50
Anthracene	N	1790	µg/l	0.50	< 0.50
Carbazole	N	1790	µg/l	0.50	< 0.50
Di-N-Butyl Phthalate	N	1790	µg/l	0.50	< 0.50
Fluoranthene	N	1790	µg/l	0.50	< 0.50
Pyrene	N	1790	µg/l	0.50	< 0.50
Butylbenzyl Phthalate	N	1790	µg/l	0.50	< 0.50
Benzo[a]anthracene	N	1790	µg/l	0.50	< 0.50
Chrysene	N	1790	µg/l	0.50	< 0.50
Bis(2-Ethylhexyl)Phthalate	N	1790	µg/l	0.50	< 0.50
Di-N-Octyl Phthalate	N	1790	µg/l	0.50	< 0.50
Benzo[b]fluoranthene	N	1790	µg/l	0.50	< 0.50

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		22-23813
Quotation No.: Q21-25865			**Chemtest Sample ID.:**		1455400
			Sample Location:		P10
			Sample Type:		WATER
			Date Sampled:		23-Jun-2022
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
Benzo[k]fluoranthene	N	1790	µg/l	0.50	< 0.50
Benzo[a]pyrene	N	1790	µg/l	0.50	< 0.50
Indeno(1,2,3-c,d)Pyrene	N	1790	µg/l	0.50	< 0.50
Dibenz(a,h)Anthracene	N	1790	µg/l	0.50	< 0.50
Benzo[g,h,i]perylene	N	1790	µg/l	0.50	< 0.50
4-Nitrophenol	N	1790	µg/l	0.50	< 0.50
Naphthalene	N	1800	µg/l	0.010	< 0.010
Acenaphthylene	N	1800	µg/l	0.010	< 0.010
Acenaphthene	N	1800	µg/l	0.010	< 0.010
Fluorene	N	1800	µg/l	0.010	< 0.010
Phenanthrene	N	1800	µg/l	0.010	< 0.010
Anthracene	N	1800	µg/l	0.010	< 0.010
Fluoranthene	N	1800	µg/l	0.010	< 0.010
Pyrene	N	1800	µg/l	0.010	< 0.010
Benzo[a]anthracene	N	1800	µg/l	0.010	< 0.010
Chrysene	N	1800	µg/l	0.010	< 0.010
Benzo[b]fluoranthene	N	1800	µg/l	0.010	< 0.010
Benzo[k]fluoranthene	N	1800	µg/l	0.010	< 0.010
Benzo[a]pyrene	N	1800	µg/l	0.010	< 0.010
Indeno(1,2,3-c,d)Pyrene	N	1800	µg/l	0.010	< 0.010
Dibenz(a,h)Anthracene	N	1800	µg/l	0.010	< 0.010
Benzo[g,h,i]perylene	N	1800	µg/l	0.010	< 0.010
Total Of 16 PAH's	N	1800	µg/l	0.20	< 0.20
PCB 28	N	1815	µg/l	0.010	< 0.010
PCB 81	N	1815	µg/l	0.010	< 0.010
PCB 52	N	1815	µg/l	0.010	< 0.010
PCB 77	N	1815	µg/l	0.010	< 0.010
PCB 105	N	1815	µg/l	0.010	< 0.010
PCB 90+101	N	1815	µg/l	0.010	< 0.010
PCB 114	N	1815	µg/l	0.010	< 0.010
PCB 118	N	1815	µg/l	0.010	< 0.010
PCB 118	N	1815	µg/l	0.010	< 0.010
PCB 153	N	1815	µg/l	0.010	< 0.010
PCB 123	N	1815	µg/l	0.010	< 0.010
PCB 138	N	1815	µg/l	0.010	< 0.010
PCB 126	N	1815	µg/l	0.010	< 0.010
PCB 180	N	1815	µg/l	0.010	< 0.010
PCB 156	N	1815	µg/l	0.010	< 0.010
PCB 157	N	1815	µg/l	0.010	< 0.010
PCB 167	N	1815	µg/l	0.010	< 0.010
PCB 169	N	1815	µg/l	0.010	< 0.010

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		22-23813
Quotation No.: Q21-25865			**Chemtest Sample ID.:**		1455400
			Sample Location:		P10
			Sample Type:		WATER
			Date Sampled:		23-Jun-2022
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
PCB 189	N	1815	µg/l	0.010	< 0.010
Total PCBs (12 Congeners)	N	1815	µg/l	0.010	< 0.010
Total PCBs (7 congeners)	N	1815	µg/l	0.010	< 0.010
Total Phenols	U	1920	mg/l	0.030	< 0.030

Test Methods

SOP	Title	Parameters included	Method summary
1010	pH Value of Waters	pH	pH Meter
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Conductivity Meter
1030	Total Suspended Solids	Total suspended solids	Filtration of a mixed sample through a standard glass fibre filter and determination of the mass of residue retained dried at 105°C.
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.
1300	Cyanides & Thiocyanate in Waters	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Continuous Flow Analysis.
1450	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).
1455	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).
1460	Mercury low-level in Waters by AFS	Mercury	Atomic Fluorescence Spectrometry, with collimated UV source, wavelength 253.7 nm.
1490	Hexavalent Chromium in Waters	Chromium [VI]	Automated colorimetric analysis by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
1495	Low Level Hexavalent Chromium in Waters	Chromium [VI]	Colorimetric determination of hexavalent chromium expressed as Cr (VI) µg/l in water, using Ion Chromatography and UV-visible spectrophotometry.
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation
1675	TPH Aliphatic/Aromatic split in Waters by GC-FID(cf. Texas Method 1006 / TPH CWG)	Aliphatics: >C5–C6, >C6–C8, >C8– C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Pentane extraction / GCxGC FID detection
1760	Volatile Organic Compounds (VOCs) in Waters by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics. (cf. USEPA Method 8260)	Automated headspace gas chromatographic (GC) analysis of water samples with mass spectrometric (MS) detection of volatile organic compounds.
1790	Semi-Volatile Organic Compounds (SVOCs) in Waters by GC-MS	Semi-volatile organic compounds	Solvent extraction / GCMS detection
1800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Waters by GC-MS	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Pentane extraction / GCMS detection
1815	Polychlorinated Biphenyls (PCB) ICES7 Congeners in Waters by GC-MS	ICES7 PCB congeners	Solvent extraction / GCMS detection
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at the indicated laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container
E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

Eurofins Chemtest Ltd
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.com

Final Report

Report No.:	22-24515-1
Initial Date of Issue:	07-Jul-2022
Client	Atkins Ltd
Client Address:	The Axis 10 Holliday Street Birmingham West Midlands B1 1TF
Contact(s):	Alice Smith Natasha Glynn
Project	5185703 Sizewell C
Quotation No.:	Q21-25865
Order No.:	IFS10554
No. of Samples:	6
Turnaround (Wkdays):	5
Date Approved:	07-Jul-2022
Approved By:	
Details:	Stuart Henderson, Technical Manager

Date Received:	30-Jun-2022
Date Instructed:	30-Jun-2022
Results Due:	06-Jul-2022

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		22-24515	22-24515	22-24515	22-24515	22-24515	22-24515
Quotation No.: Q21-25865			**Chemtest Sample ID.:**		1458384	1458385	1458386	1458387	1458388	1458389
			Sample Location:		P12	C4S	C4D	CW6a	PZ16	GW18
			Sample Type:		WATER	WATER	WATER	WATER	WATER	WATER
			Top Depth (m):		1.5	5.5	22	0.0	12.26	
			Date Sampled:		28-Jun-2022	28-Jun-2022	28-Jun-2022	28-Jun-2022	28-Jun-2022	28-Jun-2022
Determinand	**Accred.**	**SOP**	**Units**	**LOD**						
pH	U	1010		N/A	9.0	9.4	8.8	8.9	8.9	9.3
Electrical Conductivity	U	1020	µS/cm	1.0	1100	290	1100	980	1100	230
Suspended Solids At 105C	U	1030	mg/l	5.0	820	100	29	190	16	33
Alkalinity (Total)	U	1220	mg/l	10	190	24	170	190	170	34
Chloride	U	1220	mg/l	1.0	67	46	240	110	190	37
Ammonium	U	1220	mg/l	0.050	1.0	0.56	1.3	0.54	0.70	0.40
Ammoniacal Nitrogen	U	1220	mg/l	0.050	1.2	1.0	1.4	0.61	0.76	0.62
Nitrite	U	1220	mg/l	0.020	0.34	0.34	0.32	0.75	0.23	0.20
Nitrate	U	1220	mg/l	0.50	1.1	6.0	2.2	5.8	0.69	9.7
Phosphate	U	1220	mg/l	0.200	0.31	< 0.20	< 0.20	< 0.20	< 0.20	0.27
Phosphorus (Dissolved)	U	1220	mg/l	0.020	0.10	< 0.020	< 0.020	< 0.020	< 0.020	0.088
Sulphate	U	1220	mg/l	1.0	26	42	61	110	13	3.7
Total Oxidised Nitrogen	U	1220	mg/l	0.20	0.36	1.5	0.59	1.5	0.23	2.3
Cyanide (Free) Low-Level	N	1300	mg/l	0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Calcium	U	1455	mg/l	2.00	33	4.6	150	140	130	8.2
Potassium	U	1455	mg/l	0.50	2.2	3.0	11	7.1	4.9	1.8
Magnesium	U	1455	mg/l	0.20	2.7	6.1	11	12	11	2.8
Sodium	U	1455	mg/l	1.50	24	25	39	55	70	9.9
Arsenic (Dissolved)	U	1455	µg/l	0.20	3.8	2.1	2.5	2.8	1.9	2.0
Boron (Dissolved)	U	1455	µg/l	10.0	210	190	48	40	43	20
Cadmium (Dissolved)	U	1455	µg/l	0.11	0.56	0.42	0.62	0.56	0.44	0.67
Chromium (Dissolved)	U	1455	µg/l	0.50	8.5	6.0	9.1	10	7.3	17
Copper (Dissolved)	U	1455	µg/l	0.50	1.4	0.61	1.8	2.1	0.71	1.9
Iron (Dissolved)	N	1455	µg/l	5.0	990	28	30	36	35	29
Manganese (Dissolved)	U	1455	µg/l	0.50	340	34	150	6.0	180	77
Nickel (Dissolved)	U	1455	µg/l	0.50	5.0	3.5	5.3	4.7	3.0	8.4
Lead (Dissolved)	U	1455	µg/l	0.50	1.0	0.74	0.92	0.95	0.94	0.97
Zinc (Dissolved)	U	1455	µg/l	2.5	10	15	15	9.6	16	19
Mercury Low Level	U	1460	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Chromium (Hexavalent)	U	1490	µg/l	20	< 20	< 20	< 20	< 20	< 20	< 20
Chromium (Trivalent) LL	U	1450	µg/l	1	8	6	9	6	7	12
Total Organic Carbon	U	1610	mg/l	2.0	17	< 2.0	< 2.0	4.4	4.2	< 2.0
Aliphatic TPH >C5-C6	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C6-C8	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C8-C10	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C10-C12	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C12-C16	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C16-C21	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C21-C35	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C35-C44	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			Chemtest Job No.:		22-24515	22-24515	22-24515	22-24515	22-24515	22-24515
Quotation No.: Q21-25865			Chemtest Sample ID.:		1458384	1458385	1458386	1458387	1458388	1458389
			Sample Location:		P12	C4S	C4D	CW6a	PZ16	GW18
			Sample Type:		WATER	WATER	WATER	WATER	WATER	WATER
			Top Depth (m):		1.5	5.5	22	0.0	12.26	
			Date Sampled:		28-Jun-2022	28-Jun-2022	28-Jun-2022	28-Jun-2022	28-Jun-2022	28-Jun-2022
Determinand	**Accred.**	**SOP**	**Units**	**LOD**						
Total Aliphatic Hydrocarbons	N	1675	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Aromatic TPH >C5-C7	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C7-C8	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C8-C10	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C10-C12	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C12-C16	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C16-C21	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C21-C35	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C35-C44	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Aromatic Hydrocarbons	N	1675	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Petroleum Hydrocarbons	N	1675	µg/l	10	< 10	< 10	< 10	< 10	< 10	< 10
Dichlorodifluoromethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chloromethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Vinyl Chloride	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromomethane	N	1760	µg/l	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chloroethane	N	1760	µg/l	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Trichlorofluoromethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1-Dichloroethene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trans 1,2-Dichloroethene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1-Dichloroethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
cis 1,2-Dichloroethene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromochloromethane	N	1760	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloromethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1,1-Trichloroethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Tetrachloromethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1-Dichloropropene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2-Dichloroethane	N	1760	µg/l	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Trichloroethene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2-Dichloropropane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibromomethane	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromodichloromethane	N	1760	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,3-Dichloropropene	N	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	N	1760	µg/l	0.10	5.6	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trans-1,3-Dichloropropene	N	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	N	1760	µg/l	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,3-Dichloropropane	N	1760	µg/l	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Dibromochloromethane	N	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	N	1760	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		22-24515	22-24515	22-24515	22-24515	22-24515	22-24515
Quotation No.: Q21-25865			**Chemtest Sample ID.:**		1458384	1458385	1458386	1458387	1458388	1458389
			Sample Location:		P12	C4S	C4D	CW6a	PZ16	GW18
			Sample Type:		WATER	WATER	WATER	WATER	WATER	WATER
			Top Depth (m):		1.5	5.5	22	0.0	12.26	
			Date Sampled:		28-Jun-2022	28-Jun-2022	28-Jun-2022	28-Jun-2022	28-Jun-2022	28-Jun-2022
Determinand	**Accred.**	**SOP**	**Units**	**LOD**						
Chlorobenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1,1,2-Tetrachloroethane	N	1760	µg/l	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Ethylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
m & p-Xylene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
o-Xylene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Styrene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Tribromomethane	N	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Isopropylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromobenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2,3-Trichloropropane	N	1760	µg/l	5	< 5	< 5	< 5	< 5	< 5	< 5
N-Propylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2-Chlorotoluene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,3,5-Trimethylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Chlorotoluene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Tert-Butylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2,4-Trimethylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Sec-Butylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,3-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Isopropyltoluene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,4-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
N-Butylbenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2-Dibromo-3-Chloropropane	N	1760	µg/l	5	< 5	< 5	< 5	< 5	< 5	< 5
1,2,4-Trichlorobenzene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Hexachlorobutadiene	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2,3-Trichlorobenzene	N	1760	µg/l	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Methyl Tert-Butyl Ether	N	1760	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
N-Nitrosodimethylamine	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Phenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bis-(2-Chloroethyl)Ether	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,3-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,4-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methylphenol (o-Cresol)	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bis(2-Chloroisopropyl)Ether	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachloroethane	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
N-Nitrosodi-n-propylamine	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Methylphenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Nitrobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		22-24515	22-24515	22-24515	22-24515	22-24515	22-24515
Quotation No.: Q21-25865			**Chemtest Sample ID.:**		1458384	1458385	1458386	1458387	1458388	1458389
			Sample Location:		P12	C4S	C4D	CW6a	PZ16	GW18
			Sample Type:		WATER	WATER	WATER	WATER	WATER	WATER
			Top Depth (m):		1.5	5.5	22	0.0	12.26	
			Date Sampled:		28-Jun-2022	28-Jun-2022	28-Jun-2022	28-Jun-2022	28-Jun-2022	28-Jun-2022
Determinand	**Accred.**	**SOP**	**Units**	**LOD**						
Isophorone	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Nitrophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dimethylphenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bis(2-Chloroethoxy)Methane	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dichlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2,4-Trichlorobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Naphthalene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroaniline	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorobutadiene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloro-3-Methylphenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methylnaphthalene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorocyclopentadiene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4,6-Trichlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4,5-Trichlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chloronaphthalene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Nitroaniline	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Acenaphthylene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dimethylphthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,6-Dinitrotoluene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Acenaphthene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
3-Nitroaniline	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibenzofuran	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chlorophenylphenylether	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dinitrotoluene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Fluorene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Diethyl Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Nitroaniline	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methyl-4,6-Dinitrophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Azobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Bromophenylphenyl Ether	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorobenzene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Pentachlorophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Phenanthrene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Anthracene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbazole	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Di-N-Butyl Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Fluoranthene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Pyrene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Butylbenzyl Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[a]anthracene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd			**Chemtest Job No.:**		22-24515	22-24515	22-24515	22-24515	22-24515	22-24515
Quotation No.: Q21-25865			**Chemtest Sample ID.:**		1458384	1458385	1458386	1458387	1458388	1458389
			Sample Location:		P12	C4S	C4D	CW6a	PZ16	GW18
			Sample Type:		WATER	WATER	WATER	WATER	WATER	WATER
			Top Depth (m):		1.5	5.5	22	0.0	12.26	
			Date Sampled:		28-Jun-2022	28-Jun-2022	28-Jun-2022	28-Jun-2022	28-Jun-2022	28-Jun-2022
Determinand	**Accred.**	**SOP**	**Units**	**LOD**						
Chrysene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bis(2-Ethylhexyl)Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Di-N-Octyl Phthalate	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[b]fluoranthene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[k]fluoranthene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[a]pyrene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Indeno(1,2,3-c,d)Pyrene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibenz(a,h)Anthracene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[g,h,i]perylene	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Nitrophenol	N	1790	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Naphthalene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Acenaphthylene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Acenaphthene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Fluorene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Phenanthrene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Anthracene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Fluoranthene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Pyrene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzo[a]anthracene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Chrysene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzo[b]fluoranthene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzo[k]fluoranthene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzo[a]pyrene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Indeno(1,2,3-c,d)Pyrene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dibenz(a,h)Anthracene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Benzo[g,h,i]perylene	N	1800	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Of 16 PAH's	N	1800	µg/l	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
PCB 28	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 81	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 52	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 77	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 105	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 90+101	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 114	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 118	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 118	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 153	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 123	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 138	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 126	N	1815	µg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

Results - Water

Project: 5185703 Sizewell C

Client: Atkins Ltd					**Chemtest Job No.:**	22-24515	22-24515	22-24515	22-24515	22-24515	22-24515
Quotation No.: Q21-25865					**Chemtest Sample ID.:**	1458384	1458385	1458386	1458387	1458388	1458389
					Sample Location:	P12	C4S	C4D	CW6a	PZ16	GW18
					Sample Type:	WATER	WATER	WATER	WATER	WATER	WATER
					Top Depth (m):	1.5	5.5	22	0.0	12.26	
					Date Sampled:	28-Jun-2022	28-Jun-2022	28-Jun-2022	28-Jun-2022	28-Jun-2022	28-Jun-2022
Determinand	**Accred.**	**SOP**	**Units**	**LOD**							
PCB 180	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 156	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 157	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 167	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 169	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 189	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total PCBs (12 Congeners)	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total PCBs (7 congeners)	N	1815	µg/l	0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Phenols	U	1920	mg/l	0.030		< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030

Test Methods

SOP	Title	Parameters included	Method summary
1010	pH Value of Waters	pH	pH Meter
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Conductivity Meter
1030	Total Suspended Solids	Total suspended solids	Filtration of a mixed sample through a standard glass fibre filter and determination of the mass of residue retained dried at 105°C.
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.
1300	Cyanides & Thiocyanate in Waters	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Continuous Flow Analysis.
1450	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).
1455	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).
1460	Mercury low-level in Waters by AFS	Mercury	Atomic Fluorescence Spectrometry, with collimated UV source, wavelength 253.7 nm.
1490	Hexavalent Chromium in Waters	Chromium [VI]	Automated colorimetric analysis by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
1495	Low Level Hexavalent Chromium in Waters	Chromium [VI]	Colorimetric determination of hexavalent chromium expressed as Cr (VI) µg/l in water, using Ion Chromatography and UV-visible spectrophotometry.
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation
1675	TPH Aliphatic/Aromatic split in Waters by GC-FID(cf. Texas Method 1006 / TPH CWG)	Aliphatics: >C5–C6, >C6–C8, >C8– C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Pentane extraction / GCxGC FID detection
1760	Volatile Organic Compounds (VOCs) in Waters by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics. (cf. USEPA Method 8260)	Automated headspace gas chromatographic (GC) analysis of water samples with mass spectrometric (MS) detection of volatile organic compounds.
1790	Semi-Volatile Organic Compounds (SVOCs) in Waters by GC-MS	Semi-volatile organic compounds	Solvent extraction / GCMS detection
1800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Waters by GC-MS	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Pentane extraction / GCMS detection
1815	Polychlorinated Biphenyls (PCB) ICES7 Congeners in Waters by GC-MS	ICES7 PCB congeners	Solvent extraction / GCMS detection
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at the indicated laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container
E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

Results - Water

Project: 5185703

Client: Atkins Ltd			**Chemtest Job No.:**		20-30618
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1095141
			Sample Location:		C3D
			Sample Type:		WATER
			Top Depth (m):		16.00
			Bottom Depth (m):		16.00
			Date Sampled:		10-Nov-2020
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
pH	U	1010		N/A	8.2
Electrical Conductivity	U	1020	µS/cm	1.0	360
Suspended Solids At 105C	U	1030	mg/l	5.0	28
Alkalinity (Total)	U	1220	mg/l	10	78
Chloride	U	1220	mg/l	1.0	53
Ammonium	U	1220	mg/l	0.050	0.20
Ammoniacal Nitrogen	U	1220	mg/l	0.050	0.17
Nitrite	U	1220	mg/l	0.020	< 0.020
Nitrate	U	1220	mg/l	0.50	< 0.50
Phosphate	U	1220	mg/l	0.200	0.35
Phosphorus (Dissolved)	U	1220	mg/l	0.020	0.11
Sulphate	U	1220	mg/l	1.0	36
Total Oxidised Nitrogen	U	1220	mg/l	0.20	< 0.20
Cyanide (Free) Low-Level	N	1300	mg/l	0.0050	< 0.0050
Calcium	U	1415	mg/l	5.0	37
Potassium	U	1415	mg/l	0.50	1.7
Magnesium	U	1415	mg/l	0.50	1.3
Sodium	U	1415	mg/l	0.50	23
Arsenic (Dissolved)	U	1450	µg/l	1.0	1.8
Boron (Dissolved)	U	1450	µg/l	20	< 20
Cadmium (Dissolved)	U	1450	µg/l	0.080	< 0.080
Chromium (Dissolved)	U	1450	µg/l	1.0	< 1.0
Copper (Dissolved)	U	1450	µg/l	1.0	< 1.0
Iron (Dissolved)	N	1450	µg/l	20	170
Manganese (Dissolved)	U	1450	µg/l	1.0	160
Nickel (Dissolved)	U	1450	µg/l	1.0	< 1.0
Lead (Dissolved)	U	1450	µg/l	1.0	< 1.0
Zinc (Dissolved)	U	1450	µg/l	1.0	2.4
Mercury Low Level	U	1460	µg/l	0.010	< 0.010
Low-Level Chromium (Hexavalent)	U	1495	µg/l	0.10	< 0.10
Chromium (Trivalent)	U	1450	µg/l	1	< 1
Dissolved Organic Carbon Low Level	N	1610	mg/l	N/A	3.3
Total TPH >C6-C40	U	1670	µg/l	10	< 10
Naphthalene	N	1700	µg/l	0.010	< 0.010
Acenaphthylene	N	1700	µg/l	0.010	< 0.010
Acenaphthene	N	1700	µg/l	0.010	< 0.010
Fluorene	N	1700	µg/l	0.010	< 0.010
Phenanthrene	N	1700	µg/l	0.010	< 0.010
Anthracene	N	1700	µg/l	0.010	< 0.010

Results - Water

Project: 5185703

Client: Atkins Ltd			**Chemtest Job No.:**		20-30618
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1095141
			Sample Location:		C3D
			Sample Type:		WATER
			Top Depth (m):		16.00
			Bottom Depth (m):		16.00
			Date Sampled:		10-Nov-2020
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
Fluoranthene	N	1700	µg/l	0.010	< 0.010
Pyrene	N	1700	µg/l	0.010	< 0.010
Benzo[a]anthracene	N	1700	µg/l	0.010	< 0.010
Chrysene	N	1700	µg/l	0.010	< 0.010
Benzo[b]fluoranthene	N	1700	µg/l	0.010	< 0.010
Benzo[k]fluoranthene	N	1700	µg/l	0.010	< 0.010
Benzo[a]pyrene	N	1700	µg/l	0.010	< 0.010
Indeno(1,2,3-c,d)Pyrene	N	1700	µg/l	0.010	< 0.010
Dibenz(a,h)Anthracene	N	1700	µg/l	0.010	< 0.010
Benzo[g,h,i]perylene	N	1700	µg/l	0.010	< 0.010
Total Of 16 PAH's	N	1700	µg/l	0.20	< 0.20
Dichlorodifluoromethane	N	1760	µg/l	0.10	< 0.10
Chloromethane	N	1760	µg/l	0.10	< 0.10
Vinyl Chloride	N	1760	µg/l	0.10	< 0.10
Bromomethane	N	1760	µg/l	2.0	< 2.0
Chloroethane	N	1760	µg/l	0.20	< 0.20
Trichlorofluoromethane	N	1760	µg/l	0.10	< 0.10
1,1-Dichloroethene	N	1760	µg/l	0.10	< 0.10
Trans 1,2-Dichloroethene	N	1760	µg/l	0.10	< 0.10
1,1-Dichloroethane	N	1760	µg/l	0.10	< 0.10
cis 1,2-Dichloroethene	N	1760	µg/l	0.10	< 0.10
Bromochloromethane	N	1760	µg/l	0.50	< 0.50
Trichloromethane	N	1760	µg/l	0.10	< 0.10
1,1,1-Trichloroethane	N	1760	µg/l	0.10	< 0.10
Tetrachloromethane	N	1760	µg/l	0.10	< 0.10
1,1-Dichloropropene	N	1760	µg/l	0.10	< 0.10
Benzene	N	1760	µg/l	0.10	< 0.10
1,2-Dichloroethane	N	1760	µg/l	0.20	< 0.20
Trichloroethene	N	1760	µg/l	0.10	< 0.10
1,2-Dichloropropane	N	1760	µg/l	0.10	< 0.10
Dibromomethane	N	1760	µg/l	0.10	< 0.10
Bromodichloromethane	N	1760	µg/l	0.50	< 0.50
cis-1,3-Dichloropropene	N	1760	µg/l	1.0	< 1.0
Toluene	N	1760	µg/l	0.10	< 0.10
Trans-1,3-Dichloropropene	N	1760	µg/l	1.0	< 1.0
1,1,2-Trichloroethane	N	1760	µg/l	0.1	< 0.1
Tetrachloroethene	N	1760	µg/l	0.10	< 0.10
1,3-Dichloropropane	N	1760	µg/l	0.20	< 0.20
Dibromochloromethane	N	1760	µg/l	1.0	< 1.0

Results - Water

Project: 5185703

Client: Atkins Ltd			**Chemtest Job No.:**		20-30618
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1095141
			Sample Location:		C3D
			Sample Type:		WATER
			Top Depth (m):		16.00
			Bottom Depth (m):		16.00
			Date Sampled:		10-Nov-2020
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
1,2-Dibromoethane	N	1760	µg/l	0.50	< 0.50
Chlorobenzene	N	1760	µg/l	0.10	< 0.10
1,1,1,2-Tetrachloroethane	N	1760	µg/l	0.20	< 0.20
Ethylbenzene	N	1760	µg/l	0.10	< 0.10
m & p-Xylene	N	1760	µg/l	0.10	< 0.10
o-Xylene	N	1760	µg/l	0.10	< 0.10
Styrene	N	1760	µg/l	0.10	< 0.10
Tribromomethane	N	1760	µg/l	1.0	< 1.0
Isopropylbenzene	N	1760	µg/l	0.10	< 0.10
Bromobenzene	N	1760	µg/l	0.10	< 0.10
1,2,3-Trichloropropane	N	1760	µg/l	5.0	< 5.0
N-Propylbenzene	N	1760	µg/l	0.10	< 0.10
2-Chlorotoluene	N	1760	µg/l	0.10	< 0.10
1,3,5-Trimethylbenzene	N	1760	µg/l	0.10	< 0.10
4-Chlorotoluene	N	1760	µg/l	0.10	< 0.10
Tert-Butylbenzene	N	1760	µg/l	0.10	< 0.10
1,2,4-Trimethylbenzene	N	1760	µg/l	0.10	< 0.10
Sec-Butylbenzene	N	1760	µg/l	0.10	< 0.10
1,3-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10
4-Isopropyltoluene	N	1760	µg/l	0.10	< 0.10
1,4-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10
N-Butylbenzene	N	1760	µg/l	0.10	< 0.10
1,2-Dichlorobenzene	N	1760	µg/l	0.10	< 0.10
1,2-Dibromo-3-Chloropropane	N	1760	µg/l	5.0	< 5.0
1,2,4-Trichlorobenzene	N	1760	µg/l	0.10	< 0.10
Hexachlorobutadiene	N	1760	µg/l	0.10	< 0.10
1,2,3-Trichlorobenzene	N	1760	µg/l	0.20	< 0.20
Methyl Tert-Butyl Ether	N	1760	µg/l	0.10	< 0.10
N-Nitrosodimethylamine	N	1790	µg/l	0.50	< 0.50
Phenol	N	1790	µg/l	0.50	< 0.50
2-Chlorophenol	N	1790	µg/l	0.50	< 0.50
Bis-(2-Chloroethyl)Ether	N	1790	µg/l	0.50	< 0.50
1,3-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50
1,4-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50
1,2-Dichlorobenzene	N	1790	µg/l	0.50	< 0.50
2-Methylphenol (o-Cresol)	N	1790	µg/l	0.50	< 0.50
Bis(2-Chloroisopropyl)Ether	N	1790	µg/l	0.50	< 0.50
Hexachloroethane	N	1790	µg/l	0.50	< 0.50
N-Nitrosodi-n-propylamine	N	1790	µg/l	0.50	< 0.50

Results - Water

Project: 5185703

Client: Atkins Ltd			**Chemtest Job No.:**		20-30618
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1095141
			Sample Location:		C3D
			Sample Type:		WATER
			Top Depth (m):		16.00
			Bottom Depth (m):		16.00
			Date Sampled:		10-Nov-2020
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
4-Methylphenol	N	1790	µg/l	0.50	< 0.50
Nitrobenzene	N	1790	µg/l	0.50	< 0.50
Isophorone	N	1790	µg/l	0.50	< 0.50
2-Nitrophenol	N	1790	µg/l	0.50	< 0.50
2,4-Dimethylphenol	N	1790	µg/l	0.50	< 0.50
Bis(2-Chloroethoxy)Methane	N	1790	µg/l	0.50	< 0.50
2,4-Dichlorophenol	N	1790	µg/l	0.50	< 0.50
1,2,4-Trichlorobenzene	N	1790	µg/l	0.50	< 0.50
Naphthalene	N	1790	µg/l	0.50	< 0.50
4-Chloroaniline	N	1790	µg/l	0.50	< 0.50
Hexachlorobutadiene	N	1790	µg/l	0.50	< 0.50
4-Chloro-3-Methylphenol	N	1790	µg/l	0.50	< 0.50
2-Methylnaphthalene	N	1790	µg/l	0.50	< 0.50
Hexachlorocyclopentadiene	N	1790	µg/l	0.50	< 0.50
2,4,6-Trichlorophenol	N	1790	µg/l	0.50	< 0.50
2,4,5-Trichlorophenol	N	1790	µg/l	0.50	< 0.50
2-Chloronaphthalene	N	1790	µg/l	0.50	< 0.50
2-Nitroaniline	N	1790	µg/l	0.50	< 0.50
Acenaphthylene	N	1790	µg/l	0.50	< 0.50
Dimethylphthalate	N	1790	µg/l	0.50	< 0.50
2,6-Dinitrotoluene	N	1790	µg/l	0.50	< 0.50
Acenaphthene	N	1790	µg/l	0.50	< 0.50
3-Nitroaniline	N	1790	µg/l	0.50	< 0.50
Dibenzofuran	N	1790	µg/l	0.50	< 0.50
4-Chlorophenylphenylether	N	1790	µg/l	0.50	< 0.50
2,4-Dinitrotoluene	N	1790	µg/l	0.50	< 0.50
Fluorene	N	1790	µg/l	0.50	< 0.50
Diethyl Phthalate	N	1790	µg/l	0.50	< 0.50
4-Nitroaniline	N	1790	µg/l	0.50	< 0.50
2-Methyl-4,6-Dinitrophenol	N	1790	µg/l	0.50	< 0.50
Azobenzene	N	1790	µg/l	0.50	< 0.50
4-Bromophenylphenyl Ether	N	1790	µg/l	0.50	< 0.50
Hexachlorobenzene	N	1790	µg/l	0.50	< 0.50
Pentachlorophenol	N	1790	µg/l	0.50	< 0.50
Phenanthrene	N	1790	µg/l	0.50	< 0.50
Anthracene	N	1790	µg/l	0.50	< 0.50
Carbazole	N	1790	µg/l	0.50	< 0.50
Di-N-Butyl Phthalate	N	1790	µg/l	0.50	< 0.50
Fluoranthene	N	1790	µg/l	0.50	< 0.50

Results - Water

Project: 5185703

Client: Atkins Ltd			**Chemtest Job No.:**		20-30618
Quotation No.: Q20-21888			**Chemtest Sample ID.:**		1095141
			Sample Location:		C3D
			Sample Type:		WATER
			Top Depth (m):		16.00
			Bottom Depth (m):		16.00
			Date Sampled:		10-Nov-2020
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
Pyrene	N	1790	µg/l	0.50	< 0.50
Butylbenzyl Phthalate	N	1790	µg/l	0.50	< 0.50
Benzo[a]anthracene	N	1790	µg/l	0.50	< 0.50
Chrysene	N	1790	µg/l	0.50	< 0.50
Bis(2-Ethylhexyl)Phthalate	N	1790	µg/l	0.50	< 0.50
Di-N-Octyl Phthalate	N	1790	µg/l	0.50	< 0.50
Benzo[b]fluoranthene	N	1790	µg/l	0.50	< 0.50
Benzo[k]fluoranthene	N	1790	µg/l	0.50	< 0.50
Benzo[a]pyrene	N	1790	µg/l	0.50	< 0.50
Indeno(1,2,3-c,d)Pyrene	N	1790	µg/l	0.50	< 0.50
Dibenz(a,h)Anthracene	N	1790	µg/l	0.50	< 0.50
Benzo[g,h,i]perylene	N	1790	µg/l	0.50	< 0.50
4-Nitrophenol	N	1790	µg/l	0.50	< 0.50
PCB 28	N	1815	µg/l	0.010	< 0.010
PCB 81	N	1815	µg/l	0.010	< 0.010
PCB 52	N	1815	µg/l	0.010	< 0.010
PCB 77	N	1815	µg/l	0.010	< 0.010
PCB 105	N	1815	µg/l	0.010	< 0.010
PCB 90+101	N	1815	µg/l	0.010	< 0.010
PCB 114	N	1815	µg/l	0.010	< 0.010
PCB 118	N	1815	µg/l	0.010	< 0.010
PCB 118	N	1815	µg/l	0.010	< 0.010
PCB 153	N	1815	µg/l	0.010	< 0.010
PCB 123	N	1815	µg/l	0.010	< 0.010
PCB 138	N	1815	µg/l	0.010	< 0.010
PCB 126	N	1815	µg/l	0.010	< 0.010
PCB 180	N	1815	µg/l	0.010	< 0.010
PCB 156	N	1815	µg/l	0.010	< 0.010
PCB 157	N	1815	µg/l	0.010	< 0.010
PCB 167	N	1815	µg/l	0.010	< 0.010
PCB 169	N	1815	µg/l	0.010	< 0.010
PCB 189	N	1815	µg/l	0.010	< 0.010
Total PCBs (12 Congeners)	N	1815	µg/l	0.010	< 0.010
Total PCBs (7 congeners)	N	1815	µg/l	0.010	< 0.010
Total Phenols	U	1920	mg/l	0.030	< 0.030

Test Methods

SOP	Title	Parameters included	Method summary
1010	pH Value of Waters	pH	pH Meter
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Conductivity Meter
1030	Total Suspended Solids	Total suspended solids	Filtration of a mixed sample through a standard glass fibre filter and determination of the mass of residue retained dried at 105°C.
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.
1300	Cyanides & Thiocyanate in Waters	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Continuous Flow Analysis.
1415	Cations in Waters by ICP-MS	Sodium; Potassium; Calcium; Magnesium	Direct determination by inductively coupled plasma - mass spectrometry (ICP-MS).
1450	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).
1460	Mercury low-level in Waters by AFS	Mercury	Atomic Fluorescence Spectrometry, with collimated UV source, wavelength 253.7 nm.
1495	Low Level Hexavalent Chromium in Waters	Chromium [VI]	Colorimetric determination of hexavalent chromium expressed as Cr (VI) µg/l in water, using Ion Chromatography and UV-visible spectrophotometry.
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation
1670	Total Petroleum Hydrocarbons (TPH) in Waters by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO	Pentane extraction / GC FID detection
1700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Waters by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
1760	Volatile Organic Compounds (VOCs) in Waters by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics. (cf. USEPA Method 8260)	Automated headspace gas chromatographic (GC) analysis of water samples with mass spectrometric (MS) detection of volatile organic compounds.
1790	Semi-Volatile Organic Compounds (SVOCs) in Waters by GC-MS	Semi-volatile organic compounds	Solvent extraction / GCMS detection
1815	Polychlorinated Biphenyls (PCB) ICES7 Congeners in Waters by GC-MS	ICES7 PCB congeners	Solvent extraction / GCMS detection
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at the indicated laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container
E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

Appendix E. Upstream surface water quality data

Client Sample ID.:	Sample Type:	Date Sampled:	pH	Electrical Conductivity	Biochemical Oxygen Demand Low Level	Chemical Oxygen Demand Low Level	Suspended Solids At 105C	Alkalinity (Total)	Chloride	Ammoniacal Nitrogen	Ammonium	Nitrite	Nitrate	Phosphate	Phosphorus (Total)	Sulphate	Total Oxidised Nitrogen	Low-Level Chromium (Hexavalent)	Chromium (Trivalent)	Chromium (Hexavalent)	Cyanide (Free) Low-Level	Calcium	Potassium	Magnesium
			-	µS/cm	mg O2/l	mg O2/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	µg/l	µg/l	mg/l	mg/l	mg/l	mg/l
G3	WATER	11/11/2014	8	740	< 1.0	19	39	260	55		1.1		21			61					< 0.005	120	7.9	7.4
G3	WATER	09/06/2015	8.2	870	< 1.0	20	16	430	59	0.22	0.28	0.19	2.3	0.069	0.023	97	0.59				< 0.005	180	8.7	12
G3	WATER	15/07/2015	7.4	880	13	27	36	430	58	0.44	0.56	0.024	< 0.50	0.62	0.21	91	< 0.20				< 0.0050	130	8.1	12
G4	WATER	11/11/2014	7.9	890	2	18	37	280	62		0.59		42			75					< 0.005	140	6.5	8.1
G4	WATER	09/06/2015	8.1	990	< 1.0	25	29	360	94	0.48	0.62	1	56	0.47	0.16	100	13				< 0.005	150	8.2	10
G4	WATER	15/07/2015	7.9	970	< 1.0	9.9	< 5.0	450	88	0.28	0.36	0.56	47	0.77	0.26	100	11				< 0.0050	130	9.8	10
G5	WATER	11/11/2014	8	920	< 1.0	13	110	250	84		0.6		53			78					< 0.005	140	7.8	7.9
G5	WATER	09/06/2015	8.2	1100	< 1.0	12	34	330	130	0.27	0.35	0.8	72	0.54	0.18	110	16				< 0.005	160	12	11
G6a	WATER	10/11/2014	8.1	650	3	41	7	250	66		0.91		17			55					< 0.005	120	6.9	7
G6A	WATER	17/06/2015	8.6	940	< 1.0	11	< 5.0	260	96	0.078	0.1	0.14	34	0.45	0.15	96	7.7				< 0.005	130	7.7	11
G6A	WATER	22/07/2015	7.9	950	3.4	8.7	28	360	92	0.44	0.57	0.29	47	0.52	0.17	100	11				< 0.0050	120	7.3	10
G7a	WATER	13/11/2014	7.9	760	4	24	38	220	91		0.31		7.2			53					< 0.005	99	7.8	8.6
G7A	WATER	17/06/2015	8.5	1200	< 1.0	13	34	290	240	0.28	0.36	0.1	3.2	0.27	0.09	64	0.75				< 0.005	150	4.6	14
G7a	WATER	23/07/2015	8.4	1100	16	88	27	400	220	0.65	0.83	< 0.020	< 0.50	0.26	0.087	54	< 0.20				< 0.0050	120	3.8	12
SW10	WATER	22/07/2015	7.8	940	< 1.0	12	410	330	130	0.074	0.095	0.3	22	0.43	0.14	78	5				0.006	130	7.5	10
SW2	WATER	10/06/2015	8.1	990	1.8	9	< 5.0	210	95		0.34		44			100					< 0.005	170	9.8	14
SW2	WATER	23/07/2015	8.5	990	5	12	14	400	130	0.23	0.3	0.16	44	0.58	0.19	90	9.9				< 0.0050	110	6.6	9.3
SW3	WATER	17/06/2015	8.6	930	< 1.0	10	9	310	98	0.061	0.078	0.13	33	0.46	0.15	98	7.5				< 0.005	130	7.8	11
SW4	WATER	09/06/2015	8.3	840	< 1.0	12	17	420	56	0.1	0.13	< 0.020	< 0.50	0.05	< 0.020	80	< 0.20				< 0.005	160	6.3	13
SW4	WATER	15/07/2015	7.9	830	< 1.0	9.8	< 5.0	470	50	0.44	0.57	0.06	< 0.50	0.078	0.026	66	< 0.20				< 0.0050	140	6.4	13
G3	WATER	18/07/2018	7.7	960			< 5.0	330	77	0.19	0.25	0.54	15	< 0.20		110	3.6		< 20	< 20	< 0.0050	150	8.7	12
G3A	WATER	18/07/2018	7.7	970			< 5.0	340	77	0.2	0.26	0.56	14	< 0.20		110	3.4		< 20	< 20	< 0.0050	180	10	14
G4	WATER	18/07/2018	7.8	1100			< 5.0	360	120	0.11	0.14	0.2	38	0.44		110	8.6		< 20	< 20	< 0.0050	200	10	13
G6A	WATER	19/07/2018	7.7	1100			5	350	120	0.16	0.2	0.15	34	0.33		99	7.7		< 20	< 20	< 0.0050	180	11	14
G5	WATER	17/07/2018	7.7	1200			< 5.0	350	150	0.16	0.2	0.58	51	0.31		110	12		< 20	< 20	< 0.0050	130	10	9.2
G5A	WATER	17/07/2018	7.7	1200			< 5.0	350	150	0.15	0.19	0.58	50	0.31		110	12		< 20	< 20	< 0.0050	150	10	10
G7A	WATER	24/07/2018	8.3	1100			50	310	190	0.086	0.11	0.15	5.8	0.26		79	1.4		< 20	< 20	< 0.0050	140	5.6	11
G5	WATER	11/06/2019	8.1	950			10	360	120	0.36	0.46	0.33	52	0.59	0.2	98	12	< 0.10	1		< 0.0050	150	12	12
G6a	WATER	11/06/2019	8	100			11	360	140	0.37	0.47	0.2	53	0.51	0.17	98	12	< 0.10	2		< 0.0050	150	12	11
G7a	WATER	13/06/2019	8.6	460			24	440	160	0.35	0.45	0.34	7.1	0.23	0.077	78	1.7	< 0.10	1		< 0.0050	160	8.7	14
G4	WATER	13/06/2019	8.5	860			13	400	64	0.26	0.34	0.16	0.68	< 0.20	0.06	93	0.2	< 0.10	< 1		< 0.0050	170	11	14
G5	WATER	12/11/2020	8.4	1200			23	310	150	0.42	0.48	0.32	54	1.6		99	12	< 0.10	2		< 0.0050	170	16	11
G3	WATER	12/11/2020	7.5	970			96	570	64	0.1	0.13	0.2	5.5	0.3		98	1.3	[B] 0.99	3		< 0.0050	150	11	12
G4	WATER	12/11/2020	7.8	1200			8	510	140	0.093	0.12	0.18	44	1.5		100	9.9	[B] 0.78	3		< 0.0050	180	17	13
G6A	WATER	20/11/2020	7.4	970			1400	340	110	0.76	0.97	0.37	2	0.32		63	0.57	< 0.10	3		< 0.0050	86	11	10
G6a	WATER	12/05/2021	8.3	880			770	290	86	0.29	0.33	0.74	8.4	< 0.20		67	2.1	< 0.10	15		< 0.0050	110	6.1	9.9
G7A	WATER	11/05/2021	8.4	910			< 5.0	110	120	0.39	0.44	0.073	5.1	< 0.20		54	1.2	< 0.10	45		< 0.0050	120	6.4	12
G3	WATER	18/05/2021	8.1	880			43	370	58	0.16	0.19	0.13	3.2	< 0.20		93	0.77	4.6	44		< 0.0050	150	7.6	12
G4	WATER	18/05/2021	8.2	1100			39	220	120	0.12	0.15	0.19	54	0.68		86	12	5.3	35		< 0.0050	130	11	9.9
G5	WATER	19/05/2021	8	940			130	540	73	0.65	0.79	0.86	31	0.49		81	7.2	2.2	11		< 0.0050	130	7.1	9
G7a	WATER	17/11/2021	8.3	1300			11	400	130	0.54	0.63	0.22	14	< 0.20		74	3.2	3.8			< 0.0050	130	8	12
G6a	WATER	16/11/2021	7.6	1100			36	360	120	0.26	0.33	0.15	21	0.26		74	4.8	< 0.10			< 0.0050	140	8	11
G3	WATER	18/11/2021	7.5	870			10	430	59	0.31	0.39	0.37	11	0.6		97	2.5	< 0.10			< 0.0050	150	7.7	12
G4	WATER	18/11/2021	7.5	1100			14	390	85	0.13	0.17	0.15	43	0.31		92	9.7	< 0.10			< 0.0050	150	9	10
G5	WATER	18/11/2021	7.5	1100			18	400	83	0.22	0.28	0.31	38	< 0.20		90	8.6	1.1			< 0.0050	150	8.1	10
G3	WATER	14/06/2022	7.2	160			25	230	97	51	64	0.37	5.9	1.2		110	1.5			< 20	< 0.0050	140	9.1	12
G4	WATER	14/06/2022	7.9	150			13	160	110	67	82	0.15	23	1.3		110	5.2			< 20	< 0.0050	150	8.9	12
G5	WATER	16/06/2022	9.2	770			30	730	180	0.51	0.36	1.1	66	1.2		130	15			[B] < 20	< 0.0050	150	17	13
G7A	WATER	22/06/2022	8.1	950			16	460	150	0.23	0.27	0.2	7.1	< 0.20		90	1.7			< 20	< 0.0050	140	9.5	12
G6a	WATER	28/06/2022	8.9	980			190	190	110	0.61	0.54	0.75	5.8	< 0.20		110	1.5			< 20	< 0.0050	140	7.1	12
Summary	Max		9.2	1300	16	88	1400	730	240	67	82	1.1	72	1.6	0.26	130	16	5.3	45	0	0.006	200	17	14
Summary	Min		7.2	100	1.8	8.7	5	110	50	0.061	0.078	0.024	0.68	0.05	0.023	53	0.2	1.1	1	0	0.006	86	3.8	7
Summary	Average		8.04	920	6.025	19.72	97	353	108	2.96	3.29	0.34	28.4	0.54	0.14	89.2	6.4445	3.4	13.75	#DIV/0!	0.006	143.1	8.92	11.2
Summary	Count of detection		50	50	8	20	40	50	50	44	50	42	46	34	17	50	40	5	12	0	1	50	50	50
Summary	Count of tests		50	50	20	20	50	50	50	50	50	50	50	50	24	50	50	18	21	13	50	50	50	50
Summary	Max (values below LOD treated as LOD)		9.2	1300	16	88	1400	730	240	67	82	1.1	72	1.6	0.26	130	16	5.3	45	20	0.006	200	17	14
Summary	Min (values below LOD treated as LOD)		7.2	100	1	8.7	5	110	50	0.061	0.078	0.02	0.5	0.05	0.02	53	0.2	0.1	1	20	0.005	86	3.8	7
Summary	Average (values below LOD treated as LOD)		8.038	920.2	3.01	19.72	78.4	353.4	108.14	2.9598182	3.29386	0.3276591	26.1856	0.4615227	0.1312778	89.18	5.8768182	1.13125	15.3	20	0.00502	143.1	8.922	11.206

Client Sample ID.:	Sample Type:	Date Sampled:	Sodium	Arsenic (Dissolved)	Boron (Dissolved)	Cadmium (Dissolved)	Chromium (Dissolved)	Copper (Dissolved)	Manganese (Dissolved)	Nickel (Dissolved)	Lead (Dissolved)	Zinc (Dissolved)	Mercury Low Level	Iron (Dissolved)	Phosphorus (Dissolved)	Arsenic (Total)	Boron (Total)	Cadmium (Total)	Chromium (Total)	Copper (Total)	Iron (Total)	Manganese (Total)	Nickel (Total)	Lead (Total)
			mg/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	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
G3	WATER	11/11/2014	29	< 1.0	< 20	< 0.080	< 1.0	2.1		1.3	< 1.0	12	< 0.010	30										
G3	WATER	09/06/2015	29	1.5	200	< 0.080	2	< 1.0		1.1	< 1.0	7.8	< 0.010	440										
G3	WATER	15/07/2015	30	1.7	440	< 0.080	4.3	< 1.0		1.1	< 1.0	6.1	< 0.010	20										
G4	WATER	11/11/2014	34	1.2	38	< 0.080	< 1.0	1.9		1.2	< 1.0	14	< 0.010	30										
G4	WATER	09/06/2015	54	1.3	320	< 0.080	2.6	2.2		2.1	< 1.0	15	< 0.010	430										
G4	WATER	15/07/2015	55	1.6	42	< 0.080	4.5	1.7		3.9	< 1.0	8.9	< 0.010	< 20										
G5	WATER	11/11/2014	43	< 1.0	20	< 0.080	< 1.0	2.2		1.6	< 1.0	17	< 0.010	30										
G5	WATER	09/06/2015	79	1.3	230	0.087	3.1	3.1		5.1	< 1.0	18	< 0.010	430										
G6a	WATER	10/11/2014	31	< 1.0	< 20	0.2	< 1.0	2.3		2.1	< 1.0	14	< 0.010	200										
G6A	WATER	17/06/2015	54	2.9	48	< 0.080	16	2.1		1.7	< 1.0	13	< 0.010	< 20										
G6A	WATER	22/07/2015	46	1.5	36	< 0.080	8.6	1.9		< 1.0	< 1.0	8.8	0.19	< 20										
G7a	WATER	13/11/2014	40	5.4	690	< 0.080	68	3.9		1.4	< 1.0	6.9	< 0.010	150										
G7A	WATER	17/06/2015	70	3.5	44	< 0.080	13	< 1.0		1	< 1.0	8.5	< 0.010	< 20										
G7a	WATER	23/07/2015	56	3.2	23	< 0.080	3.7	< 1.0		< 1.0	< 1.0	5.3	< 0.010	80										
SW10	WATER	22/07/2015	49	2.3	26	< 0.080	6.8	1.2		< 1.0	< 1.0	6	0.011	< 20										
SW2	WATER	10/06/2015	67	1.8	50	0.088	10	2.2		1.3	< 1.0	14	< 0.010	530										
SW2	WATER	23/07/2015	48	1.1	< 20	< 0.080	2.3	1.6		< 1.0	< 1.0	9.9	< 0.010	< 20										
SW3	WATER	17/06/2015	55	2.2	50	< 0.080	10	1.9		1.8	< 1.0	14	< 0.010	< 20										
SW4	WATER	09/06/2015	37	1.3	250	< 0.080	3.2	< 1.0		< 1.0	< 1.0	5.3	< 0.010	420										
SW4	WATER	15/07/2015	27	1.5	< 20	< 0.080	3.3	< 1.0		< 1.0	< 1.0	4.2	< 0.010	< 20										
G3	WATER	18/07/2018	47	1.6	30	< 0.080	1.5	< 1.0	21	< 1.0	< 1.0	1.8	< 0.010	390	0.026	1.6	31	< 0.080	1.6	< 1.0	400	22	< 1.0	< 1.0
G3A	WATER	18/07/2018	53	1.4	28	< 0.080	1.4	< 1.0	33	< 1.0	< 1.0	1.4	< 0.010	350	0.028	1.5	28	< 0.080	1.5	< 1.0	360	35	< 1.0	< 1.0
G4	WATER	18/07/2018	76	2.2	43	< 0.080	2.6	2.2	12	1.2	< 1.0	6.9	< 0.010	450	0.14	2.2	45	< 0.080	2.8	1.9	450	12	1.2	< 1.0
G6A	WATER	19/07/2018	81	2.6	34	< 0.080	2.1	3.1	7.4	< 1.0	< 1.0	2.9	< 0.010	410	0.11	2.1	36	< 0.080	2.4	2.7	390	7.6	1	< 1.0
G5	WATER	17/07/2018	68	2	41	< 0.080	2.1	< 1.0	< 1.0	1.2	< 1.0	3.8	< 0.010	400	0.1	1.9	42	< 0.080	2.2	< 1.0	420	< 1.0	1.2	< 1.0
G5A	WATER	17/07/2018	70	1.8	38	< 0.080	2	< 1.0	< 1.0	1.1	< 1.0	3.8	< 0.010	380	0.1	1.8	38	< 0.080	2	< 1.0	390	< 1.0	1.2	< 1.0
G7A	WATER	24/07/2018	57	3.9	55	< 0.080	8.6	4.2	57	< 1.0	< 1.0	3.4	< 0.010	550	0.085	4.4	59	< 0.080	11	3.3	560	60	< 1.0	< 1.0
G5	WATER	11/06/2019	68	1.8	54	< 0.080	1.4	< 1.0	640	1.7	< 1.0	17	< 0.010	310										
G6a	WATER	11/06/2019	69	1.6	54	< 0.080	2.1	< 1.0	96	1.6	< 1.0	14	< 0.010	260										
G7a	WATER	13/06/2019	68	2.2	63	< 0.080	1.3	< 1.0	150	< 1.0	< 1.0	7.8	< 0.010	360										
G4	WATER	13/06/2019	40	1.6	64	< 0.080	< 1.0	< 1.0	2900	1	< 1.0	9.8	< 0.010	390										
G5	WATER	12/11/2020	98	1.3	29	< 0.080	2.5	1.4	110	< 1.0	< 1.0	5.8	< 0.010	440	0.52									
G3	WATER	12/11/2020	35	1	< 20	< 0.080	3.6	< 1.0	8.4	< 1.0	< 1.0	3.6	< 0.010	650	0.098									
G4	WATER	12/11/2020	93	1.7	28	< 0.080	3.8	1.4	68	1.4	< 1.0	7.5	< 0.010	650	0.49									
G6A	WATER	20/11/2020	44	2	26	< 0.080	3.1	1.1	32	3.1	< 1.0	25	< 0.010	450	0.1									
G6a	WATER	12/05/2021	45	1.3	800	< 0.11	15	1.2	120	6.1	< 0.50	4.4	< 0.010	190	0.026									
G7A	WATER	11/05/2021	48	1.4	39	< 0.11	45	2.5	40	15	< 0.50	26	< 0.010	190	0.031									
G3	WATER	18/05/2021	32	0.68	30	< 0.11	49	1.4	18	21	< 0.50	< 3.0	< 0.010	220	0.025									
G4	WATER	18/05/2021	64	1.1	40	< 0.11	40	2.5	61	18	< 0.50	3.5	< 0.010	230	0.22									
G5	WATER	19/05/2021	48	0.69	32	< 0.11	13	1.9	11	7	< 0.50	19	< 0.010	140	0.16									
G7a	WATER	17/11/2021	55	0.86	35	< 0.11	7.8	1.8	120	< 0.50	< 0.50	< 2.5	< 0.010	33	0.039									
G6a	WATER	16/11/2021	51	0.76	820	< 0.11	< 0.50	0.71	190	0.73	< 0.50	9	< 0.010	26	0.085									
G3	WATER	18/11/2021	33	0.61	750	< 0.11	< 0.50	< 0.50	370	< 0.50	< 0.50	3.3	< 0.010	7.5	0.2									
G4	WATER	18/11/2021	55	0.66	710	< 0.11	< 0.50	0.75	180	0.87	< 0.50	4.7	< 0.010	24	0.1									
G5	WATER	18/11/2021	54	0.82	490	< 0.11	< 0.50	0.99	230	1	< 0.50	5.3	< 0.010	27	0.055									
G3	WATER	14/06/2022	52	0.74	160	< 0.11	1.1	< 0.50	12	< 0.50	< 0.50	3.6	< 0.010	< 5.0	0.39									
G4	WATER	14/06/2022	59	1.2	180	< 0.11	< 0.50	< 0.50	51	< 0.50	< 0.50	5.9	< 0.010	< 5.0	0.42									
G5	WATER	16/06/2022	97	1.9	66	< 0.11	0.75	3	11	0.83	< 0.50	13	< 0.010	16	0.39									
G7A	WATER	22/06/2022	59	1.8	520	0.37	< 0.50	2.2	22	0.57	< 0.50	4.9	0.29	6.2	0.052									
G6a	WATER	28/06/2022	55	2.8	40	0.56	10	2.1	6	4.7	0.95	9.6	< 0.010	36	< 0.020									
Summary	Max		98	5.4	820	0.56	68	4.2	2900	21	0.95	26	0.29	650	0.52	4.4	59	0	11	3.3	560	60	1.2	0
Summary	Min		27	0.61	20	0.087	0.75	0.71	6	0.57	0.95	1.4	0.011	6.2	0.025	1.5	28	0	1.5	1.9	360	7.6	1	0
Summary	Average		54.1	1.7302128	173	0.261	9.7730769	2.02	199	3.48	0.95	9.0708333	0.1636667	259	0.16	2.2142857	39.857143	#DIV/0!	3.3571429	2.6333333	424.28571	27.32	1.15	#DIV/0!
Summary	Count of detection		50	47	45	5	39	32	28	33	1	48	3	40	25	7	7	0	7	3	7	5	4	0
Summary	Count of tests		50	50	50	50	50	50	50	50	50	50	50	50	26	7	7	7	7	7	7	7	7	7
Summary	Max (values below LOD treated as LOD)		98	5.4	820	0.56	68	4.2	2900	21	1	26	0.29	650	0.52	4.4	59	0.08	11	3.3	560	60	1.2	1
Summary	Min (values below LOD treated as LOD)		27	0.61	20	0.08	0.5	0.5	1	0.5	0.5	1.4	0.01	5	0.02	1.5	28	0.08	1.5	1	360	1	1	1
Summary	Average (values below LOD treated as LOD)		54.14	1.6864	158.12	0.1059	7.783	1.625	185.96	2.596	0.859	8.818	0.01922	210.914	0.1542308	2.2142857	39.857143	0.08	3.3571429	1.7	424.28571	19.8	1.0857143	1

Client Sample ID.:	Sample Type:	Date Sampled:	Zinc (Total)	Dissolved Organic Carbon	Total Organic Carbon	Dissolved Organic Carbon Low Level	Total TPH >C6-C40	Naphthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo[a]anthracene	Chrysene	Benzo[b]fluoranthene	Benzo[k]fluoranthene	Benzo[a]pyrene	Indeno(1,2,3-c,d)Pyrene	Dibenz(a,h)Anthracene	Benzo[g,h,i]perylene	Total Of 16 PAH's
			µg/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	µg/l	µg/l	µg/l	µg/l	µg/l
G3	WATER	11/11/2014					< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G3	WATER	09/06/2015			8.9		< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G3	WATER	15/07/2015			11		< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G4	WATER	11/11/2014					< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G4	WATER	09/06/2015			6		< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G4	WATER	15/07/2015			2.2		10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G5	WATER	11/11/2014					< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G5	WATER	09/06/2015			9.6		< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G6a	WATER	10/11/2014					< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G6A	WATER	17/06/2015			4.1		< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G6A	WATER	22/07/2015			5		< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G7a	WATER	13/11/2014					< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G7A	WATER	17/06/2015			6		< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G7a	WATER	23/07/2015			5.8		< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
SW10	WATER	22/07/2015			5.5		< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
SW2	WATER	10/06/2015			2.6		< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
SW2	WATER	23/07/2015			5.5		< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
SW3	WATER	17/06/2015			6.1		< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
SW4	WATER	09/06/2015			9.2		< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
SW4	WATER	15/07/2015			4		27	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G3	WATER	18/07/2018	2.2	7.6	9.7		< 10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 2.0
G3A	WATER	18/07/2018	1.7	7.1	7.4		< 10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 2.0
G4	WATER	18/07/2018	7.1	9.7	11		< 10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 2.0
G6A	WATER	19/07/2018	3	8.1	8.8		< 10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 2.0
G5	WATER	17/07/2018	3.7	10	10		< 10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 2.0
G5A	WATER	17/07/2018	4.1	11	12		< 10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 2.0
G7A	WATER	24/07/2018	3.3	6.5	8		< 10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 2.0
G5	WATER	11/06/2019			11	10	< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G6a	WATER	11/06/2019			12	10	< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G7a	WATER	13/06/2019			13	10	< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G4	WATER	13/06/2019			7	6.6	< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G5	WATER	12/11/2020				11	< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G3	WATER	12/11/2020				6.7	< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G4	WATER	12/11/2020				10	42	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G6A	WATER	20/11/2020				92	< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G6a	WATER	12/05/2021				11	< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G7A	WATER	11/05/2021				9.2	< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G3	WATER	18/05/2021				4.7	< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G4	WATER	18/05/2021				6.2	< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G5	WATER	19/05/2021				5.9	< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G7a	WATER	17/11/2021				8	< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G6a	WATER	16/11/2021				7	< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G3	WATER	18/11/2021				4.1	71	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G4	WATER	18/11/2021				4.5	190	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G5	WATER	18/11/2021				4.7	< 10	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.20
G3	WATER	14/06/2022			4.5			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
G4	WATER	14/06/2022			5.6			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
G5	WATER	16/06/2022			7.7			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
G7A	WATER	22/06/2022			5.3			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
G6a	WATER	28/06/2022			4.4			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
Summary	Max		7.1	11	13	92	190	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Summary	Min		1.7	6.5	2.2	4.1	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Summary	Average		3.5857143	8.5714286	7.38	12.3	68	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Summary	Count of detection		7	7	31	18	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Summary	Count of tests		7	27	36	18	45	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Summary	Max (values below LOD treated as LOD)		7.1	11	13	92	190	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	0.5	0.5	2
Summary	Min (values below LOD treated as LOD)		1.7	6.5	2.2	4.1	10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.2
Summary	Average (values below LOD treated as LOD)		3.5857143	8.5714286	7.383871	12.311111	16.444444	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.452

Client Sample ID.:	Sample Type:	Date Sampled:	Dichlorodifluoromethane	Chloromethane	Vinyl Chloride	Bromomethane	Chloroethane	Trichlorofluoromethane	1,1-Dichloroethene	Trans 1,2-Dichloroethene	1,1-Dichloroethane	cis 1,2-Dichloroethene	Bromochloromethane	Trichloromethane	1,1,1-Trichloroethane	Tetrachloromethane	1,1-Dichloropropene	Benzene	1,2-Dichloroethane	Trichloroethene	1,2-Dichloropropane	Dibromomethane	Bromodichloromethane	cis-1,3-Dichloropropene
			µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
G3	WATER	11/11/2014	< 1.0	< 1.0	< 1.0	< 5	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
G3	WATER	09/06/2015	< 1.0	< 1.0	< 1.0	< 5	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
G3	WATER	15/07/2015	< 1.0	< 1.0	< 1.0	< 5.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
G4	WATER	11/11/2014	< 1.0	< 1.0	< 1.0	< 5	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
G4	WATER	09/06/2015	< 1.0	< 1.0	< 1.0	< 5	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
G4	WATER	15/07/2015	< 1.0	< 1.0	< 1.0	< 5.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
G5	WATER	11/11/2014	< 1.0	< 1.0	< 1.0	< 5	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
G5	WATER	09/06/2015	< 1.0	< 1.0	< 1.0	< 5	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
G6a	WATER	10/11/2014	< 1.0	< 1.0	< 1.0	< 5	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
G6A	WATER	17/06/2015	< 1.0	< 1.0	< 1.0	< 5	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
G6A	WATER	22/07/2015	< 1.0	< 1.0	< 1.0	< 5.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
G7a	WATER	13/11/2014	< 1.0	< 1.0	< 1.0	< 5	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
G7A	WATER	17/06/2015	< 1.0	< 1.0	< 1.0	< 5	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
G7a	WATER	23/07/2015	< 1.0	< 1.0	< 1.0	< 5.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
SW10	WATER	22/07/2015	< 1.0	< 1.0	< 1.0	< 5.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
SW2	WATER	10/06/2015	< 1.0	< 1.0	< 1.0	< 5	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
SW2	WATER	23/07/2015	< 1.0	< 1.0	< 1.0	< 5.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
SW3	WATER	17/06/2015	< 1.0	< 1.0	< 1.0	< 5	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
SW4	WATER	09/06/2015	< 1.0	< 1.0	< 1.0	< 5	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
SW4	WATER	15/07/2015	< 1.0	< 1.0	< 1.0	< 5.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
G3	WATER	18/07/2018	< 1.0	< 1.0	< 1.0	< 5.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
G3A	WATER	18/07/2018	< 1.0	< 1.0	< 1.0	< 5.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
G4	WATER	18/07/2018	< 1.0	< 1.0	< 1.0	< 5.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
G6A	WATER	19/07/2018	< 1.0	< 1.0	< 1.0	< 5.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
G5	WATER	17/07/2018	< 1.0	< 1.0	< 1.0	< 5.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
G5A	WATER	17/07/2018	< 1.0	< 1.0	< 1.0	< 5.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
G7A	WATER	24/07/2018	< 1.0	< 1.0	< 1.0	< 5.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
G5	WATER	11/06/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
G6a	WATER	11/06/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
G7a	WATER	13/06/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
G4	WATER	13/06/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 10	< 5.0	< 10
G5	WATER	12/11/2020	< 0.10	< 0.10	< 0.10	< 2.0	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.50	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.50	< 1.0
G3	WATER	12/11/2020	< 0.10	< 0.10	< 0.10	< 2.0	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.50	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.50	< 1.0
G4	WATER	12/11/2020	< 0.10	< 0.10	< 0.10	< 2.0	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.50	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.50	< 1.0
G6A	WATER	20/11/2020	< 0.10	< 0.10	< 0.10	< 2.0	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.50	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.50	< 1.0
G6a	WATER	12/05/2021	< 0.10	< 0.10	< 0.10	< 2.0	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.50	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.50	< 1.0
G7A	WATER	11/05/2021	< 0.10	< 0.10	< 0.10	< 2.0	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.50	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.50	< 1.0
G3	WATER	18/05/2021	< 0.10	< 0.10	< 0.10	< 2.0	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.50	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.50	< 1.0
G4	WATER	18/05/2021	< 0.10	< 0.10	< 0.10	< 2.0	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.50	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.50	< 1.0
G5	WATER	19/05/2021	< 0.10	< 0.10	< 0.10	< 2.0	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.50	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.50	< 1.0
G7a	WATER	17/11/2021	< 0.10	< 0.10	< 0.10	< 2.0	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.50	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.50	< 1.0
G6a	WATER	16/11/2021	< 0.10	< 0.10	< 0.10	< 2.0	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.50	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.50	< 1.0
G3	WATER	18/11/2021	< 0.10	< 0.10	< 0.10	< 2.0	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.50	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.50	< 1.0
G4	WATER	18/11/2021	< 0.10	< 0.10	< 0.10	< 2.0	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.50	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	0.59	< 0.10	< 0.10	< 0.50	< 1.0
G5	WATER	18/11/2021	< 0.10	< 0.10	< 0.10	< 2.0	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.50	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	0.77	< 0.10	< 0.10	< 0.50	< 1.0
G3	WATER	14/06/2022	< 0.10	< 0.10	< 0.10	< 2.0	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.50	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.50	< 1.0
G4	WATER	14/06/2022	< 0.10	< 0.10	< 0.10	< 2.0	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.50	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.50	< 1.0
G5	WATER	16/06/2022	< 0.10	< 0.10	< 0.10	< 2.0	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.50	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.50	< 1.0
G7A	WATER	22/06/2022	< 0.10	< 0.10	< 0.10	< 2.0	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.50	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.50	< 1.0
G6a	WATER	28/06/2022	< 0.10	< 0.10	< 0.10	< 2.0	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.50	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.50	< 1.0
Summary	Max		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.77	0	0	0	0
Summary	Min		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.59	0	0	0	0
Summary	Average		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.68	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Summary	Count of detection		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
Summary	Count of tests		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Summary	Max (values below LOD treated as LOD)		1	1	1	5	2	1	1	1	1	1	5	1	1	1	1	1	2	1	1	10	5	10
Summary	Min (values below LOD treated as LOD)		0.1	0.1	0.1	2	0.2	0.1	0.1	0.1	0.1	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.5	1
Summary	Average (values below LOD treated as LOD)		0.658	0.658	0.658	3.86	1.316	0.658	0.658	0.658	0.658	0.658	3.29	0.658	0.658	0.658	0.658	0.658	1.316	0.6812	0.658	6.238	3.29	6.58

Client Sample ID.:	Sample Type:	Date Sampled:	Toluene	Trans-1,3-Dichloropropene	1,1,2-Trichloroethane	Tetrachloroethene	1,3-Dichloropropane	Dibromochloromethane	1,2-Dibromoethane	Chlorobenzene	1,1,1,2-Tetrachloroethane	Ethylbenzene	m & p-Xylene	o-Xylene	Styrene	Tribromomethane	Isopropylbenzene	Bromobenzene	1,2,3-Trichloropropane	N-Propylbenzene	2-Chlorotoluene	1,3,5-Trimethylbenzene	4-Chlorotoluene	Tert-Butylbenzene
			µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
G3	WATER	11/11/2014	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
G3	WATER	09/06/2015	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
G3	WATER	15/07/2015	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
G4	WATER	11/11/2014	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
G4	WATER	09/06/2015	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
G4	WATER	15/07/2015	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
G5	WATER	11/11/2014	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
G5	WATER	09/06/2015	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
G6a	WATER	10/11/2014	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
G6A	WATER	17/06/2015	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
G6A	WATER	22/07/2015	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
G7a	WATER	13/11/2014	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
G7A	WATER	17/06/2015	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
G7a	WATER	23/07/2015	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW10	WATER	22/07/2015	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW2	WATER	10/06/2015	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW2	WATER	23/07/2015	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW3	WATER	17/06/2015	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW4	WATER	09/06/2015	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW4	WATER	15/07/2015	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
G3	WATER	18/07/2018	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
G3A	WATER	18/07/2018	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
G4	WATER	18/07/2018	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
G6A	WATER	19/07/2018	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
G5	WATER	17/07/2018	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
G5A	WATER	17/07/2018	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
G7A	WATER	24/07/2018	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
G5	WATER	11/06/2019	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
G6a	WATER	11/06/2019	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
G7a	WATER	13/06/2019	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
G4	WATER	13/06/2019	< 1.0	< 10	< 10	< 1.0	< 2.0	< 10	< 5.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
G5	WATER	12/11/2020	< 0.10	< 1.0	< 0.1	< 0.10	< 0.20	< 1.0	< 0.50	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 1.0	< 0.10	< 0.10	< 5.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
G3	WATER	12/11/2020	< 0.10	< 1.0	< 0.1	< 0.10	< 0.20	< 1.0	< 0.50	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 1.0	< 0.10	< 0.10	< 5.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
G4	WATER	12/11/2020	< 0.10	< 1.0	< 0.1	< 0.10	< 0.20	< 1.0	< 0.50	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 1.0	< 0.10	< 0.10	< 5.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
G6A	WATER	20/11/2020	< 0.10	< 1.0	< 0.1	< 0.10	< 0.20	< 1.0	< 0.50	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 1.0	< 0.10	< 0.10	< 5.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
G6a	WATER	12/05/2021	< 0.10	< 1.0	< 0.1	< 0.10	< 0.20	< 1.0	< 0.50	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 1.0	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
G7A	WATER	11/05/2021	< 0.10	< 1.0	< 0.1	< 0.10	< 0.20	< 1.0	< 0.50	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 1.0	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
G3	WATER	18/05/2021	< 0.10	< 1.0	< 0.1	< 0.10	< 0.20	< 1.0	< 0.50	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 1.0	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
G4	WATER	18/05/2021	< 0.10	< 1.0	< 0.1	< 0.10	< 0.20	< 1.0	< 0.50	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 1.0	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
G5	WATER	19/05/2021	< 0.10	< 1.0	< 0.1	< 0.10	< 0.20	< 1.0	< 0.50	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 1.0	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
G7a	WATER	17/11/2021	< 0.10	< 1.0	< 0.1	< 0.10	< 0.20	< 1.0	< 0.50	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 1.0	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
G6a	WATER	16/11/2021	< 0.10	< 1.0	< 0.1	< 0.10	< 0.20	< 1.0	< 0.50	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 1.0	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
G3	WATER	18/11/2021	< 0.10	< 1.0	< 0.1	< 0.10	< 0.20	< 1.0	< 0.50	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 1.0	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
G4	WATER	18/11/2021	< 0.10	< 1.0	< 0.1	< 0.10	< 0.20	< 1.0	< 0.50	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 1.0	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
G5	WATER	18/11/2021	< 0.10	< 1.0	< 0.1	< 0.10	< 0.20	< 1.0	< 0.50	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 1.0	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
G3	WATER	14/06/2022	< 0.10	< 1.0	< 0.1	< 0.10	< 0.20	< 1.0	< 0.50	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 1.0	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
G4	WATER	14/06/2022	< 0.10	< 1.0	< 0.1	< 0.10	< 0.20	< 1.0	< 0.50	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 1.0	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
G5	WATER	16/06/2022	< 0.10	< 1.0	< 0.1	< 0.10	< 0.20	< 1.0	< 0.50	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 1.0	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
G7A	WATER	22/06/2022	< 0.10	< 1.0	< 0.1	< 0.10	< 0.20	< 1.0	< 0.50	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 1.0	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
G6a	WATER	28/06/2022	< 0.10	< 1.0	< 0.1	< 0.10	< 0.20	< 1.0	< 0.50	< 0.10	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 1.0	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Summary	Max		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Summary	Min		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Summary	Average		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Summary	Count of detection		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Summary	Count of tests		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Summary	Max (values below LOD treated as LOD)		1	10	10	1	2	10	5	1	2	1	1	1	1	1	1	1	50	1	1	1	1	1
Summary	Min (values below LOD treated as LOD)		0.1	1	0.1	0.1	0.2	1	0.5	0.1	0.2	0.1	0.1	0.1	0.1	1	0.1	0.1	5	0.1	0.1	0.1	0.1	0.1
Summary	Average (values below LOD treated as LOD)		0.658	6.58	6.238	0.658	1.316	6.58	3.29	0.658	1.316	0.658	0.658	0.658	0.658	1	0.658	0.658	32.9	0.658	0.658	0.658	0.658	0.658

Client Sample ID.:	Sample Type:	Date Sampled:	1,2,4-Trimethylbenzene	Sec-Butylbenzene	1,3-Dichlorobenzene	4-Isopropyltoluene	1,4-Dichlorobenzene	N-Butylbenzene	1,2-Dichlorobenzene	1,2-Dibromo-3-Chloropropane	1,2,4-Trichlorobenzene	Hexachlorobutadiene	1,2,3-Trichlorobenzene	Methyl Tert-Butyl Ether	PCB 28	PCB 52	PCB 101	PCB 118	PCB 153	PCB 138	PCB 180	Total PCBs (7 congeners)	Total Phenols	PCB 81
			µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	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
G3	WATER	11/11/2014	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	
G3	WATER	09/06/2015	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	
G3	WATER	15/07/2015	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	
G4	WATER	11/11/2014	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	
G4	WATER	09/06/2015	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	
G4	WATER	15/07/2015	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	
G5	WATER	11/11/2014	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	
G5	WATER	09/06/2015	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	
G6a	WATER	10/11/2014	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	
G6A	WATER	17/06/2015	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	
G6A	WATER	22/07/2015	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	
G7a	WATER	13/11/2014	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	
G7A	WATER	17/06/2015	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	
G7a	WATER	23/07/2015	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	
SW10	WATER	22/07/2015	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	
SW2	WATER	10/06/2015	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	
SW2	WATER	23/07/2015	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	
SW3	WATER	17/06/2015	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	
SW4	WATER	09/06/2015	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	
SW4	WATER	15/07/2015	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	
G3	WATER	18/07/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	< 0.010
G3A	WATER	18/07/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	< 0.010
G4	WATER	18/07/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	< 0.010
G6A	WATER	19/07/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	< 0.010
G5	WATER	17/07/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	< 0.010
G5A	WATER	17/07/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	< 0.010
G7A	WATER	24/07/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	< 0.010
G5	WATER	11/06/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	< 0.010
G6a	WATER	11/06/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	< 0.010
G7a	WATER	13/06/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	< 0.010
G4	WATER	13/06/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	< 0.010
G5	WATER	12/11/2020	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 5.0	< 0.10	< 0.10	< 0.20	< 0.10	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	< 0.010
G3	WATER	12/11/2020	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 5.0	< 0.10	< 0.10	< 0.20	< 0.10	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	< 0.010
G4	WATER	12/11/2020	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 5.0	< 0.10	< 0.10	< 0.20	< 0.10	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	< 0.010
G6A	WATER	20/11/2020	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 5.0	< 0.10	< 0.10	< 0.20	< 0.10	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	< 0.010
G6a	WATER	12/05/2021	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.20	< 0.10	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	< 0.010
G7A	WATER	11/05/2021	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.20	< 0.10	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	< 0.010
G3	WATER	18/05/2021	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.20	< 0.10	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	< 0.010
G4	WATER	18/05/2021	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.20	< 0.10	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	< 0.010
G5	WATER	19/05/2021	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.20	< 0.10	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	< 0.010
G7a	WATER	17/11/2021	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.20	< 0.10	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	< 0.010
G6a	WATER	16/11/2021	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.20	< 0.10	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	< 0.010
G3	WATER	18/11/2021	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.20	< 0.10	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	< 0.010
G4	WATER	18/11/2021	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.20	< 0.10	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	< 0.010
G5	WATER	18/11/2021	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.20	< 0.10	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	< 0.010
G3	WATER	14/06/2022	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.20	< 0.10	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010				< 0.010
G4	WATER	14/06/2022	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.20	< 0.10	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010				< 0.010
G5	WATER	16/06/2022	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.20	< 0.10	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010				< 0.010
G7A	WATER	22/06/2022	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.20	< 0.10	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010				< 0.010
G6a	WATER	28/06/2022	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 5	< 0.10	< 0.10	< 0.20	< 0.10	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010				< 0.010
Summary	Max		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Summary	Min		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Summary	Average		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Summary	Count of detection		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Summary	Count of tests		50	50	50	50	50	50	50	50	50	50	50	50	50	50	20	50	50	50	45	45	45	30
Summary	Max (values below LOD treated as LOD)		1	1	1	1	1	1	1	50	1	1	2	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.01
Summary	Min (values below LOD treated as LOD)		0.1	0.1	0.1	0.1	0.1	0.1	0.1	5	0.1	0.1	0.2	0.1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.01
Summary	Average (values below LOD treated as LOD)		0.658	0.658	0.658	0.658	0.658	0.658	0.658	32.9	0.658	0.658	1.316	0.658	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.01

Client Sample ID.:	Sample Type:	Date Sampled:	PCB 77	PCB 105	PCB 90+101	PCB 114	PCB 123	PCB 126	PCB 156	PCB 157	PCB 167	PCB 169	PCB 189	Total PCBs (12 Congeners)	N-Nitrosodimethylamine	Phenol	2-Chlorophenol	Bis-(2-Chloroethyl)Ether	2-Methylphenol (o-Cresol)	Bis(2-Chloroisopropyl)Ether	Hexachloroethane	N-Nitrosodi-n-propylamine	4-Methylphenol	Nitrobenzene
			µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
G3	WATER	11/11/2014																						
G3	WATER	09/06/2015																						
G3	WATER	15/07/2015																						
G4	WATER	11/11/2014																						
G4	WATER	09/06/2015																						
G4	WATER	15/07/2015																						
G5	WATER	11/11/2014																						
G5	WATER	09/06/2015																						
G6a	WATER	10/11/2014																						
G6A	WATER	17/06/2015																						
G6A	WATER	22/07/2015																						
G7a	WATER	13/11/2014																						
G7A	WATER	17/06/2015																						
G7a	WATER	23/07/2015																						
SW10	WATER	22/07/2015																						
SW2	WATER	10/06/2015																						
SW2	WATER	23/07/2015																						
SW3	WATER	17/06/2015																						
SW4	WATER	09/06/2015																						
SW4	WATER	15/07/2015																						
G3	WATER	18/07/2018	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010										
G3A	WATER	18/07/2018	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010										
G4	WATER	18/07/2018	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010										
G6A	WATER	19/07/2018	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010										
G5	WATER	17/07/2018	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010										
G5A	WATER	17/07/2018	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010										
G7A	WATER	24/07/2018	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010										
G5	WATER	11/06/2019	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G6a	WATER	11/06/2019	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G7a	WATER	13/06/2019	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G4	WATER	13/06/2019	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G5	WATER	12/11/2020	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G3	WATER	12/11/2020	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G4	WATER	12/11/2020	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G6A	WATER	20/11/2020	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G6a	WATER	12/05/2021	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G7A	WATER	11/05/2021	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G3	WATER	18/05/2021	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G4	WATER	18/05/2021	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G5	WATER	19/05/2021	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G7a	WATER	17/11/2021	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G6a	WATER	16/11/2021	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G3	WATER	18/11/2021	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G4	WATER	18/11/2021	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G5	WATER	18/11/2021	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G3	WATER	14/06/2022	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010								< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G4	WATER	14/06/2022	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010								< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G5	WATER	16/06/2022	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010								< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G7A	WATER	22/06/2022	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010								< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G6a	WATER	28/06/2022	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010								< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Summary	Max		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Summary	Min		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Summary	Average		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Summary	Count of detection		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Summary	Count of tests		30	30	30	30	30	25	25	25	25	25	25	25	23	23	23	23	23	23	23	23	23	23
Summary	Max (values below LOD treated as LOD)		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Summary	Min (values below LOD treated as LOD)		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Summary	Average (values below LOD treated as LOD)		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

Client Sample ID.:	Sample Type:	Date Sampled:	Isophorone	2-Nitrophenol	2,4-Dimethylphenol	Bis(2-Chloroethoxy)Methane	2,4-Dichlorophenol	4-Chloroaniline	4-Chloro-3-Methylphenol	2-Methylnaphthalene	Hexachlorocyclopentadiene	2,4,6-Trichlorophenol	2,4,5-Trichlorophenol	2-Chloronaphthalene	2-Nitroaniline	Dimethylphthalate	2,6-Dinitrotoluene	3-Nitroaniline	Dibenzofuran	4-Chlorophenylphenylether	2,4-Dinitrotoluene	Diethyl Phthalate	4-Nitroaniline	2-Methyl-4,6-Dinitrophenol
			µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
G3	WATER	11/11/2014																						
G3	WATER	09/06/2015																						
G3	WATER	15/07/2015																						
G4	WATER	11/11/2014																						
G4	WATER	09/06/2015																						
G4	WATER	15/07/2015																						
G5	WATER	11/11/2014																						
G5	WATER	09/06/2015																						
G6a	WATER	10/11/2014																						
G6A	WATER	17/06/2015																						
G6A	WATER	22/07/2015																						
G7a	WATER	13/11/2014																						
G7A	WATER	17/06/2015																						
G7a	WATER	23/07/2015																						
SW10	WATER	22/07/2015																						
SW2	WATER	10/06/2015																						
SW2	WATER	23/07/2015																						
SW3	WATER	17/06/2015																						
SW4	WATER	09/06/2015																						
SW4	WATER	15/07/2015																						
G3	WATER	18/07/2018																						
G3A	WATER	18/07/2018																						
G4	WATER	18/07/2018																						
G6A	WATER	19/07/2018																						
G5	WATER	17/07/2018																						
G5A	WATER	17/07/2018																						
G7A	WATER	24/07/2018																						
G5	WATER	11/06/2019	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G6a	WATER	11/06/2019	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G7a	WATER	13/06/2019	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G4	WATER	13/06/2019	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G5	WATER	12/11/2020	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G3	WATER	12/11/2020	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G4	WATER	12/11/2020	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G6A	WATER	20/11/2020	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G6a	WATER	12/05/2021	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G7A	WATER	11/05/2021	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G3	WATER	18/05/2021	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G4	WATER	18/05/2021	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G5	WATER	19/05/2021	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G7a	WATER	17/11/2021	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G6a	WATER	16/11/2021	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G3	WATER	18/11/2021	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G4	WATER	18/11/2021	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G5	WATER	18/11/2021	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G3	WATER	14/06/2022	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G4	WATER	14/06/2022	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G5	WATER	16/06/2022	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G7A	WATER	22/06/2022	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G6a	WATER	28/06/2022	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Summary	Max		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Summary	Min		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Summary	Average		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Summary	Count of detection		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Summary	Count of tests		23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
Summary	Max (values below LOD treated as LOD)		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	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Summary	Min (values below LOD treated as LOD)		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	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Summary	Average (values below LOD treated as LOD)		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	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

Client Sample ID.:	Sample Type:	Date Sampled:	Azobenzene	4-Bromophenylphenyl Ether	Hexachlorobenzene	Pentachlorophenol	Carbazole	Di-N-Butyl Phthalate	Butylbenzyl Phthalate	Bis(2-Ethylhexyl) Phthalate	Di-N-Octyl Phthalate	4-Nitrophenol
			µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
G3	WATER	11/11/2014										
G3	WATER	09/06/2015										
G3	WATER	15/07/2015										
G4	WATER	11/11/2014										
G4	WATER	09/06/2015										
G4	WATER	15/07/2015										
G5	WATER	11/11/2014										
G5	WATER	09/06/2015										
G6a	WATER	10/11/2014										
G6A	WATER	17/06/2015										
G6A	WATER	22/07/2015										
G7a	WATER	13/11/2014										
G7A	WATER	17/06/2015										
G7a	WATER	23/07/2015										
SW10	WATER	22/07/2015										
SW2	WATER	10/06/2015										
SW2	WATER	23/07/2015										
SW3	WATER	17/06/2015										
SW4	WATER	09/06/2015										
SW4	WATER	15/07/2015										
G3	WATER	18/07/2018										
G3A	WATER	18/07/2018										
G4	WATER	18/07/2018										
G6A	WATER	19/07/2018										
G5	WATER	17/07/2018										
G5A	WATER	17/07/2018										
G7A	WATER	24/07/2018										
G5	WATER	11/06/2019	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G6a	WATER	11/06/2019	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G7a	WATER	13/06/2019	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G4	WATER	13/06/2019	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G5	WATER	12/11/2020	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G3	WATER	12/11/2020	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G4	WATER	12/11/2020	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G6A	WATER	20/11/2020	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G6a	WATER	12/05/2021	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G7A	WATER	11/05/2021	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G3	WATER	18/05/2021	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G4	WATER	18/05/2021	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G5	WATER	19/05/2021	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G7a	WATER	17/11/2021	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G6a	WATER	16/11/2021	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G3	WATER	18/11/2021	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G4	WATER	18/11/2021	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G5	WATER	18/11/2021	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G3	WATER	14/06/2022	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G4	WATER	14/06/2022	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G5	WATER	16/06/2022	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G7A	WATER	22/06/2022	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
G6a	WATER	28/06/2022	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Summary	Max		0	0	0	0	0	0	0	0	0	0
Summary	Min		0	0	0	0	0	0	0	0	0	0
Summary	Average		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Summary	Count of detection		0	0	0	0	0	0	0	0	0	0
Summary	Count of tests		23	23	23	23	23	23	23	23	23	23
Summary	Max (values below LOD treated as LOD)		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Summary	Min (values below LOD treated as LOD)		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Summary	Average (values below LOD treated as LOD)		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

Appendix F. H1 Surface water screening tests

Surface Water H1 Risk Assessment Phase 1, Part A Screening Tests

RFR: Watercourse Q95 flow m^3/s	EFR: Effluent flow rate (maximum) m^3/s	EFR: Effluent flow rate (mean) m^3/s
0.0258	0.10000	0.00603

											Pre-SCREENING: Is the substance present in the discharge?		SCREENING TEST 1: Does mean release concentration (RC) exceed 10% EQS?				SCREENING TEST 2: does the process contribution (PC) exceed 4 percent of the EQS?						SCREENING TEST 3: Does the difference between upstream quality and the Predicted Environmental Concentration (PEC) exceed 10% of the EQS						SCREENING TEST 4: Does the PEC exceed the EQS in the receiving water downstream of the discharge	
Constituents	Unit	Limit of Detection	Freshwater EQS (Annual Average)	Freshwater EQS - Maximum allowable concentration (MAC)	Number of Samples	Minimum Value in discharge	Maximum Value in discharge	discharge mean (values below LOD treated as LOD)	count of tests	count of detections	Is the substance measured above LOD in the discharge?	Is the LOD sufficiently low (LOD>10% of EQS?)	10% EQS (AA)	Test failed? (AA)	10% EQS (MAC), where available	Test failed? (MAC)	Process Contribution PC (mean)	4% EQS (AA)	Test failed? (AA)	Process Contribution PC (max)	4% EQS (MAC), where available	Test failed? (MAC)	Predicted Environmental Concentraion (PEC) (mean) (mg/l)	BC: Mean Upstream Concentration (values below LOD treated as LOD) mg/l	Test 3 failed? (AA)	BC (MAC) Maximum Upstream Concentration (values below LOD treated as LOD) mg/l	Predicted Environmental Concentraion (PEC) (max) (mg/l)	Test 3 failed? (MAC)	AA test failed? (AA PEC above AA EQS)	MAC test failed? (MAC-PEC above MAC-EQS)
Cadmium (Dissolved)	mg/l	0.00008	0.00025	0.0015	16	0.00008	0.00084	0.00028	16	7	yes	NO	3E-05	yes	0.00015	yes	5.2E-05	0.00001	yes	0.00067	0.00006	yes	0.00014	0.000106	Yes	0.000560	0.00069	NO	NO	NO
Chloride	mg/l	1	250	N/A	16	26	2100	351	16	16	yes	yes	25	yes	N/A	N/A	66.5	10	yes	N/A	N/A	N/A	154	108.140000	Yes	240	N/A	N/A	NO	N/A
Manganese (Dissolved)	mg/l	0.001	0.211	N/A	16	0.001	14	1.1830	16	15	yes	yes	0.0211	yes	N/A	N/A	0.22411	0.00844	yes	N/A	N/A	N/A	0.37	0.185960	Yes	2.90	N/A	N/A	Yes	N/A
Nickel (Dissolved)	mg/l	0.001	0.017	0.034	16	0.0005	0.031	0.0074	16	12	yes	yes	0.0017	yes	0.0034	yes	0.00141	0.00068	yes	0.02464	0.00136	yes	0.0035	0.002596	NO	0.02100	0.025	yes	NO	NO
Dissolved Chromium (Trivalent)	mg/l	0.001	0.0047	0.032	16	0.001	0.068	0.0126	12	9	yes	NO	0.0005	yes	0.0032	yes	0.00238	0.00019	yes	0.05405	0.00128	yes	0.0148	0.015300	NO	0.045000	0.057	yes	Yes	yes
Ammoniacal Nitrogen	mg/l N	0.05	0.47	N/A	16	0.05	1.4	0.2829	16	12	yes	NO	0.0467	yes	N/A	N/A	0.0536	0.01867	yes	N/A	N/A	N/A	2.453	2.959818	NO	67.00	N/A	N/A	Yes	N/A
Nitrite	mg/l	0.02	0.01	N/A	16	0.02	0.34	0.0696	16	6	yes	NO	0.0010	yes	N/A	N/A	0.01318	0.0004	yes	N/A	N/A	N/A	0.28	0.327659	NO	1.10	N/A	N/A	Yes	N/A
Phosphorus (Dissolved)	mg/l	0.02	0.008	N/A	16	0.02	0.11	0.0533	16	10	yes	NO	0.0008	yes	N/A	N/A	0.01009	0.00032	yes	N/A	N/A	N/A	0.14	0.154231	NO	0.5200	N/A	N/A	Yes	N/A
Ammonium	mg/l NH4	0.05	0.6	N/A	16	0.05	1.3	0.2748	16	14	yes	yes	0.0600	yes	N/A	N/A	0.05205	0.024	yes	N/A	N/A	N/A	2.72	3.293860	NO	82.00	N/A	N/A	Yes	N/A
Anthracene	mg/l	0.0005	0.0001	0.0001	16	0.0005	0.0005	0.0005	16	0	NO	NO	0.000010	yes	0.00001	yes	9.5E-05	4E-06	yes	0.00040	0.000004	yes	0.00015	0.000072	Yes	0.000500	0.00041	NO	Yes	yes
Cyanide (Free) Low-Level	mg/l	0.0050	0.001	0.005	16	0.005	0.005	0.0050	16	0	NO	NO	0.0001	yes	0.0005	yes	0.00095	0.00004	yes	0.00397	0.0002	yes	0.00502	0.005020	NO	0.006000	0.00500	NO	Yes	yes
Dissolved Chromium (Hexavalent)	mg/l	0.02	0.0034	N/A	16	0.02	0.02	0.0200	5	0	NO	NO	0.0003	yes	N/A	N/A	0.00379	0.00014	yes	0.01590	N/A	N/A	0.02000	0.020000	NO	0.020000	0.02000	N/A	Yes	N/A
Fluoranthene	mg/l	0.00001	0.0000063	0.0012	16	0.00001	0.00001	0.00001	16	0	NO	NO	0.000001	yes	0.00012	NO	1.9E-06	2.5E-07	yes	0.00001	0.000048	NO	0.00006	0.000072	NO	0.000500	0.00002	NO	Yes	NO
Benzo[a]pyrene	mg/l	0.00001	0.00000017	0.00027	16	0.00001	0.00001	0.00001	16	0	NO	NO	0.000000	yes	2.7E-05	NO	1.9E-06	6.8E-09	yes	0.00001	1.08E-05	NO	0.00006	0.000072	NO	0.000500	0.00002	NO	Yes	NO
Hexachlorobenzene	mg/l	0.0005	0.00005	0.00005	16	0.0005	0.0005	0.0005	16	0	NO	NO	0.000005	yes	5E-06	yes	9.5E-05	2E-06	yes	0.00040	0.000002	yes	0.00050	0.000500	NO	0.000500	0.00050	NO	Yes	yes
Pentachlorophenol	mg/l	0.0005	0.0004	0.001	16	0.0005	0.0005	0.0005	16	0	NO	NO	0.000040	yes	0.0001	yes	9.5E-05	1.6E-05	yes	0.00040	0.00004	yes	0.00050	0.000500	NO	0.000500	0.00050	NO	Yes	NO
Lead (Dissolved)	mg/l	0.001	0.012	0.014	16	0.0005	0.0019	0.0008	16	5	yes	yes	0.0012	No	0.0014	yes	0.00015	0.00048	NO	0.00151	0.00056	yes	0.0008	0.000859	NO	0.001000	0.002	NO	NO	NO
Hexachlorobutadiene	mg/l	0.0001	No EQS	0.0006	16	0.0001	0.0001	0.0001	16	0	NO	NO	0.00001	N/A	0.00006	yes	1.9E-05	N/A	N/A	7.95E-05	0.000024	yes	0.00055229	0.000658	N/A	0.001	0.000214439	NO	N/A	NO
Low-Level Dissolved Chromium (Hexavalent)	mg/l	0.0001	0.0034	N/A	16	0.0001	0.0053	0.0011	11	4	yes	yes	0.0003	yes	N/A	N/A	0.0002	0.00014	yes	N/A	N/A	N/A	0.0011	0.001131	NO	0.005300	N/A	N/A	NO	N/A
Naphthalene	mg/l	0.0005	0.002	0.13	16	0.0005	0.0005	0.0005	16	0	NO	NO	0.0002	yes	0.013	NO	9.5E-05	0.00008	yes	0.00040	0.0052	NO	0.00015	0.000072	NO	0.000500	0.00041	NO	NO	NO
Boron (Dissolved)	mg/l	0.02	2	N/A	16	0.01	0.92	0.2433	16	13	yes	yes	0.2000	yes	N/A	N/A	0.04609	0.08	NO	0.73132	N/A	N/A								
2,4-Dichlorophenol	mg/l	0.0005	0.0042	0.14	16	0.0005	0.0005	0.0005	16	0	NO	NO	0.0004	yes	0.014	NO	9.5E-05	0.00017	NO	0.00040	0.0056	NO								
Sulphate	mg/l	1	400	N/A	16	25	95	41.6250	16	16	yes	yes	40	yes	N/A	N/A	7.8856	16	NO	N/A	N/A	N/A								
Iron (Dissolved)	mg/l	0.02	1	N/A	16	0.005	1.3	0.2055	16	12	yes	yes	0.1000	yes	N/A	N/A	0.03893	0.04	NO	N/A	N/A	N/A								
Zinc (Dissolved)	mg/l	0.001	0.049	N/A	16	0.0024	0.035	0.0099	16	12	yes	yes	0.0049	yes	N/A	N/A	0.00187	0.00196	NO	N/A	N/A	N/A								
Dissolved Mercury Low Level	mg/l	0.00001	0.00007	N/A	16	0.00001	0.00001	0.00001	16	0	NO	NO	0.0000	yes	N/A	N/A	1.9E-06	2.8E-06	NO											
Anthracene	mg/l	0.00001	0.0001	0.0001	16	0.00001	0.00001	0.00001	16	0	NO	NO	0.0000	No	0.00001	NO														
Arsenic (Dissolved)	mg/l	0.001	0.05	N/A	16	0.0002	0.0027	0.0013	16	12	yes	yes	0.0050	No	N/A	N/A														
Copper (Dissolved)	mg/l	0.001	0.029	N/A	16	0.0005	0.0097	0.0018	16	11	yes	yes	0.0029	No	N/A	N/A														
Naphthalene	mg/l	0.00001	0.002	0.13	16	0.00001	0.00001	0.00001	16	0	NO	yes																		
Benzene	mg/l	0.0001	0.01	0.05	16	0.0001	0.0001	0.0001	16	0	NO	yes																		
Toluene	mg/l	0.0001	0.074	0.38	16	0.0001	0.0001	0.0001	16	0	NO	yes																		
Styrene	mg/l	0.0001	0.05	0.5	16	0.0001	0.0001	0.0001	16	0	NO	yes																		
1,4-Dichlorobenzene	mg/l	0.0001	0.02	0.2	16	0.0001	0.0001	0.0001	16	0	NO	yes																		
1,2-Dichlorobenzene	mg/l	0.0001	0.02	0.2	16	0.0001	0.0001	0.0001	16	0	NO	yes																		
Phenol	mg/l	0.0005	0.0077	0.046	16	0.0005	0.0005	0.0005	16	0	NO	yes																		
1,4-Dichlorobenzene	mg/l	0.0005	0.02	0.2	16	0.0005	0.0005	0.0005	16	0	NO	yes																		
1,2-Dichlorobenzene	mg/l	0.0005	0.02	0.2	16	0.0005	0.0005	0.0005	16	0	NO	yes																		
Dimethylphthalate	mg/l	0.0005	0.8	4	16	0.0005	0.0005	0.0005	16	0	NO	yes																		
Trichloromethane	mg/l	0.0001	0.0025		16	0.0001	0.0001	0.0001	16	0	NO	yes																		
1,1,1-Trichloroethane	mg/l	0.0001	0.1		16	0.0001	0.0001	0.0001	16	0	NO	yes																		
Tetrachloromethane	mg/l	0.0001	0.012		16	0.0001	0.0001	0.0001	16	0	NO	yes																		
1,2-Dichloroethane	mg/l	0.0002	0.01		16	0.0002	0.0002	0.0002	16	0	NO	yes																		
Trichloroethene	mg/l	0.0001	0.01		16	0.0001	0.0001	0.0001	16	0	NO	yes																		
1,1,2-Trichloroethane	mg/l	0.0001	0.4		16	0.0001	0.0001	0.0001	16	0	NO	yes																		
Tetrachloroethene	mg/l	0.0001	0.01		16	0.0001	0.0001	0.0001	16	0	NO	yes																		
Ethylbenzene	mg/l	0.0001	0.02		16	0.0001	0.0001	0.0001	16	0	NO	yes																		
m & p-Xylene	mg/l	0.0001	0.03		16	0.0001	0.0001	0.0001	16	0	NO	yes																		
o-Xylene	mg/l	0.0001	0.03		16	0.0001	0.0001	0.0001	16	0	NO	yes																		
2-Chlorophenol	mg/l	0.0005	0.05		16	0.0005	0.0005	0.0005	16	0	NO	yes																		
4-Chloro-3-Methylphenol	mg/l	0.0005	0.04		16	0.0005	0.0005	0.0005	16	0	NO	yes																		
Chromium (Dissolved)	mg/l	0.001	See Cr III and VI	N/A	16	0.0005	0.073	0.0101	16	9	yes	N/A No EQS	N/A	N/A	N/A	N/A														
Dissolved Organic Carbon Low Level	mg/l	N/A	No EQS	N/A	16	0.72	9.7	2.8964	11	11	yes	N/A No EQS	N/A	N/A	N/A	N/A														
Aggressive Dissolved CO2	mg/l	0.60	No EQS	N/A	16	0.6	14	4.7500	4	3	yes	N/A No EQS	N/A	N/A	N/A	N/A														
Electrical Conductivity	µS/cm	1.0	No EQS	N/A	16	200	3300	1090.6250	16	16	yes	N/A No EQS	N/A	N/A	N/A	N/A														
Suspended Solids At 105C	mg/l	5.0	No EQS	N/A	16	9	100	42.8125	16	16	yes	N/A No EQS	N/A	N/A	N/A	N/A														
Alkalinity (Total)	mg/l	10	No EQS	N/A	16	10	220	68.6250	16	13	yes	N/A No EQS	N/A	N/A	N/A	N/A														
Nitrate	mg/l	0.50	No EQS	N/A	16	0.5	26	5.2375	16	9	yes	N/A No EQS	N/A	N/A	N/A	N/A														
Phosphate	mg/l	0.200	No EQS	N/A	16	0.2	0.35	0.2388	16	7	yes	N/A No EQS	N/A	N/A	N/A	N/A														
Total Oxidised Nitrogen	mg/l	0.20	No EQS	N/A	16	0.2	5.9	1.2350	16	9	yes	N/A No EQS	N/A	N/A	N/A	N/A														
Calcium	mg/l	5.0	No EQS	N/A	16	4.6	680	100.1813	16	16	yes	N/A No EQS	N/A	N/A	N/A	N/A														
Potassium	mg/l	0.50	No EQS	N/A	16	1.7	17	6.4000	16	16	yes	N/A No EQS	N/A	N/A	N/A	N/A														
Magnesium	mg/l	0.50	No EQS	N/A	16	1.3	91	18.1625	16	16	yes	N/A No EQS	N/A	N/A	N/A	N/A														
Sodium	mg/l	0.50	No EQS	N/A	16	21	430	82.7500	16	16	yes	N/A No EQS	N/A	N/A	N/A	N/A														
Aliphatic TPH >C5-C6	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	5	0	NO	N/A No EQS																		
Aliphatic TPH >C6-C8	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	5	0	NO	N/A No EQS																		
Aliphatic TPH >C8-C10	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	5	0	NO	N/A No EQS																		
Aliphatic TPH >C10-C12	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	5	0	NO	N/A No EQS																		
Aliphatic TPH >C12-C16	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	5	0	NO	N/A No EQS																		
Aliphatic TPH >C16-C21	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	5	0	NO	N/A No EQS																		
Aliphatic TPH >C21-C35	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	5	0	NO	N/A No EQS																		
Aliphatic TPH >C35-C44	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	5	0	NO	N/A No EQS																		
Aromatic TPH >C5-C7	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	5	0	NO	N/A No EQS																		
Aromatic TPH >C7-C8	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	5	0	NO	N/A No EQS																		
Aromatic TPH >C8-C10	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	5	0	NO	N/A No EQS																		
Aromatic TPH >C10-C12	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	5	0	NO	N/A No EQS																		
Aromatic TPH >C12-C16	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	5	0	NO	N/A No EQS																		
Aromatic TPH >C16-C21	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	5	0	NO	N/A No EQS																		
Aromatic TPH >C21-C35	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	5	0	NO	N/A No EQS																		
Aromatic TPH >C35-C44	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	5	0	NO	N/A No EQS																		
Total TPH >C6-C40	mg/l	0.01	No EQS		16	0.01	0.01	0.01000	11	0	NO	N/A No EQS																		
Acenaphthylene	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.00001	16	0	NO	N/A No EQS																		
Acenaphthene	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.00001	16	0	NO	N/A No EQS																		
Fluorene	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.00001	16	0	NO	N/A No EQS																		
Phenanthrene	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.00001	16	0	NO	N/A No EQS																		
Pyrene	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.00001	16	0	NO	N/A No EQS																		
Benzo[a]anthracene	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.00001	16	0	NO	N/A No EQS																		
Chrysene	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.00001	16	0	NO	N/A No EQS																		
Benzo fluoranthene	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.00001	16	0	NO	N/A No EQS																		
Benzo[k]fluoranthene	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.00001	16	0	NO	N/A No EQS																		
Indeno(1,2,3-c,d)Pyrene	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.00001	16	0	NO	N/A No EQS																		
Dibenz(a,h)Anthracene	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.00001	16	0	NO	N/A No EQS																		
Benzo[g,h,i]perylene	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.00001	16	0	NO	N/A No EQS																		
Total Of 16 PAH's	mg/l	0.0002	No EQS		16	0.0002	0.0002	0.0002	16	0	NO	N/A No EQS																		
Dichlorodifluoromethane	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	16	0	NO	N/A No EQS																		
Chloromethane	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	16	0	NO	N/A No EQS																		
Vinyl Chloride	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	16	0	NO	N/A No EQS																		
Bromomethane	mg/l	0.002	No EQS		16	0.002	0.002	0.0020	16	0	NO	N/A No EQS																		
Chloroethane	mg/l	0.0002	No EQS		16	0.0002	0.0002	0.0002	16	0	NO	N/A No EQS																		
Trichlorofluoromethane	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	16	0	NO	N/A No EQS																		
1,1-Dichloroethene	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	16	0	NO	N/A No EQS																		
Trans 1,2-Dichloroethene	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	16	0	NO	N/A No EQS																		
1,1-Dichloroethane	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	16	0	NO	N/A No EQS																		
cis 1,2-Dichloroethene	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	16	0	NO	N/A No EQS																		
Bromochloromethane	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
1,1-Dichloropropene	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	16	0	NO	N/A No EQS																		
1,2-Dichloropropane	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	16	0	NO	N/A No EQS																		
Dibromomethane	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	16	0	NO	N/A No EQS																		
Bromodichloromethane	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
cis-1,3-Dichloropropene	mg/l	0.001	No EQS		16	0.001	0.001	0.0010	16	0	NO	N/A No EQS																		
Trans-1,3-Dichloropropene	mg/l	0.001	No EQS		16	0.001	0.001	0.0010	16	0	NO	N/A No EQS																		
1,3-Dichloropropane	mg/l	0.0002	No EQS		16	0.0002	0.0002	0.0002	16	0	NO	N/A No EQS																		
Dibromochloromethane	mg/l	0.001	No EQS		16	0.001	0.001	0.0010	16	0	NO	N/A No EQS																		
1,2-Dibromoethane	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
Chlorobenzene	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	16	0	NO	N/A No EQS																		
1,1,1,2-Tetrachloroethane	mg/l	0.0002	No EQS		16	0.0002	0.0002	0.0002	16	0	NO	N/A No EQS																		
Tribromomethane	mg/l	0.001	No EQS		16	0.001	0.001	0.0010	16	0	NO	N/A No EQS																		
Isopropylbenzene	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	16	0	NO	N/A No EQS																		
Bromobenzene	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	16	0	NO	N/A No EQS																		
1,2,3-Trichloropropane	mg/l	0.005	No EQS		16	0.005	0.005	0.0050	16	0	NO	N/A No EQS																		
N-Propylbenzene	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	16	0	NO	N/A No EQS																		
2-Chlorotoluene	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	16	0	NO	N/A No EQS																		
1,3,5-Trimethylbenzene	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	16	0	NO	N/A No EQS																		
4-Chlorotoluene	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	16	0	NO	N/A No EQS																		
Tert-Butylbenzene	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	16	0	NO	N/A No EQS																		
1,2,4-Trimethylbenzene	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	16	0	NO	N/A No EQS																		
Sec-Butylbenzene	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	16	0	NO	N/A No EQS																		
1,3-Dichlorobenzene	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	16	0	NO	N/A No EQS																		
4-Isopropyltoluene	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	16	0	NO	N/A No EQS																		
N-Butylbenzene	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	16	0	NO	N/A No EQS																		
1,2-Dibromo-3-Chloropropane	mg/l	0.005	No EQS		16	0.005	0.005	0.0050	16	0	NO	N/A No EQS																		
1,2,4-Trichlorobenzene	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	16	0	NO	N/A No EQS																		
1,2,3-Trichlorobenzene	mg/l	0.0002	No EQS		16	0.0002	0.0002	0.0002	16	0	NO	N/A No EQS																		
Methyl Tert-Butyl Ether	mg/l	0.0001	No EQS		16	0.0001	0.0001	0.0001	16	0	NO	N/A No EQS																		
N-Nitrosodimethylamine	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
Bis-(2-Chloroethyl)Ether	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
1,3-Dichlorobenzene	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
2-Methylphenol (o-Cresol)	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
Bis(2-Chloroisopropyl)Ether	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
Hexachloroethane	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
N-Nitrosodi-n-propylamine	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
4-Methylphenol	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
Nitrobenzene	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
Isophorone	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
2-Nitrophenol	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
2,4-Dimethylphenol	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
Bis(2-Chloroethoxy)Methane	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
1,2,4-Trichlorobenzene	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
4-Chloroaniline	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
2-Methylnaphthalene	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
Hexachlorocyclopentadiene	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
2,4,6-Trichlorophenol	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
2,4,5-Trichlorophenol	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
2-Chloronaphthalene	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
2-Nitroaniline	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
Acenaphthylene	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
2,6-Dinitrotoluene	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
Acenaphthene	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
3-Nitroaniline	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		

Constituents	C3S	C3D	C4S	C3s	C3d	C4S	C4D	C3S	C3D	C4S	C4D	C3S	C3D	P10	C4S	C4D
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m
	10/11/2020	10/11/2020	11/11/2020	13/05/2021	13/05/2021	18/05/2021	18/05/2021	16/11/2021	16/11/2021	16/11/2021	16/11/2021	23/06/2022	23/06/2022	23/06/2022	28/06/2022	28/06/2022
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium (Dissolved)	0.00013	<0.00008	<0.00008	0.00046	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	0.00065	0.00084	0.00035	0.00042	0.00062
Chloride	380	53	26	1100	51	26	330	300	46	26	680	140	71	2100	46	240
Manganese (Dissolved)	<0.001	0.16	0.0019	14	0.12	0.013	0.19	2.3	0.11	0.078	0.1	0.87	0.21	0.59	0.034	0.15
Nickel (Dissolved)	0.016	<0.001	<0.001	0.024	0.0039	0.031	0.02	0.0058	<0.0005	0.0011	0.0023	0.002	<0.0005	0.0011	0.0035	0.0053
Dissolved Chromium (Trivalent)	0.003	<0.001	0.002	0.003	0.006	0.068	0.045					0.006	<0.001	<0.001	0.006	0.009
Ammoniacal Nitrogen	<0.05	0.17	<0.05	0.24	0.16	<0.05	<0.05	0.075	0.062	0.21	0.21	0.34	0.22	0.24	1	1.4
Nitrite	0.033	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.097	0.065	0.058	0.34	0.32
Phosphorus (Dissolved)	0.024	0.11	0.1	0.022	0.082	0.095	0.039	<0.02	0.069	0.091	<0.02	<0.02	0.1	<0.02	<0.02	<0.02
Ammonium	0.063	0.2	<0.05	0.31	0.19	<0.05	0.051	0.09	0.072	0.26	0.27	0.41	0.23	0.29	0.56	1.3
Anthracene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cyanide (Free) Low-Level	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dissolved Chromium (Hexavalent)												<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[a]pyrene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Hexachlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Pentachlorophenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Lead (Dissolved)	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0012	0.0019	<0.0005	0.0012	<0.0005	0.00074	0.00092
Hexachlorobutadiene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Low-Level Dissolved Chromium (Hexavalent)	<0.0001	<0.0001	0.00095	0.0044	0.00038	0.0053	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001					
Naphthalene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Boron (Dissolved)	0.042	<0.02	<0.02	0.041	0.014	0.014	0.034	0.9	0.76	0.92	0.83	0.029	<0.01	0.021	0.19	0.048
2,4-Dichlorophenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Sulphate	27	36	28	53	32	25	47	34	36	25	50	32	43	95	42	61
Iron (Dissolved)	0.35	0.17	<0.02	0.034	0.024	0.31	0.2	0.027	<0.005	0.67	1.3	<0.005	<0.005	0.11	0.028	0.03
Zinc (Dissolved)	0.0078	0.0024	0.0032	0.015	<0.003	<0.003	<0.003	0.013	<0.0025	0.023	0.035	0.0093	0.0038	0.0039	0.015	0.015
Dissolved Mercury Low Level	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Anthracene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Arsenic (Dissolved)	<0.001	0.0018	<0.001	<0.0002	0.0013	0.0006	0.00086	<0.0002	0.0014	0.0018	0.0011	0.00088	0.0027	0.00076	0.0021	0.0025
Copper (Dissolved)	0.0012	<0.001	<0.001	0.0007	0.0097	0.0017	0.0011	0.00054	<0.0005	0.0038	0.0035	0.0012	<0.0005	<0.0005	0.00061	0.0018
Naphthalene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Toluene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Styrene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,4-Dichlorobenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,2-Dichlorobenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Phenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2-Dichlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dimethylphthalate	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Trichloromethane	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,1,1-Trichloroethane	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Tetrachloromethane	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,2-Dichloroethane	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Trichloroethene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,1,2-Trichloroethane	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Tetrachloroethene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Ethylbenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
m & p-Xylene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
o-Xylene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
2-Chlorophenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4-Chloro-3-Methylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chromium (Dissolved)	0.0026	<0.001	0.0029	0.0071	0.0068	0.073	0.045	<0.0005	<0.0005	<0.0005	<0.0005	0.0058	<0.0005	<0.0005	0.006	0.0091
Dissolved Organic Carbon Low Level	5.2	3.3	3.1	9.7	0.72	0.73	0.91	3.7	1	1.6	1.9					
Aggressive Dissolved CO2								2.9	1.5	<0.6	14					
Electrical Conductivity	1300	360	240	3300	400	200	1400	880	330	250	2600	1400	1500	1900	290	1100
Suspended Solids At 105C	9	28	26	25	20	12	29	37	54	84	68	35	73	56	100	29
Alkalinity (Total)	<10	78	22	<10	55	11	220	<10	53	14	170	55	96	100	24	170
Nitrate	2.4	<0.5	17	1.8	<0.5	16	<0.5	5.8	<0.5	26	<0.5	3.1	<0.5	<0.5	6	2.2
Phosphate	<0.2	0.35	0.32	<0.2	0.25	0.29	<0.2	<0.2	0.21	0.28	<0.2	<0.2	0.32	<0.2	<0.2	<0.2
Total Oxidised Nitrogen	0.54	<0.2	3.8	0.41	<0.2	3.6	<0.2	1.3	<0.2	5.9	<0.2	0.72	<0.2	<0.2	1.5	0.59
Calcium	16	37	8.1	48	30	5.2	200	10	33	6.7	330	5.3	39	680	4.6	150
Potassium	8.6	1.7	3.3	11	2	2.6	12	5.7	2	2.8	14	3.5	2.2	17	3	11
Magnesium	27	1.3	5.6	91	2.2	5.2	13	19	1.7	6.2	19	9.1	2.2	71	6.1	11
Sodium	110	23	24	430	25	21	53	120	24	24	120	60	26	200	25	39
Aliphatic TPH >C5-C6												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aliphatic TPH >C6-C8												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aliphatic TPH >C8-C10												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aliphatic TPH >C10-C12												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aliphatic TPH >C12-C16												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aliphatic TPH >C16-C21												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aliphatic TPH >C21-C35												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aliphatic TPH >C35-C44												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aromatic TPH >C5-C7												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aromatic TPH >C7-C8												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aromatic TPH >C8-C10												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aromatic TPH >C10-C12												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aromatic TPH >C12-C16												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aromatic TPH >C16-C21												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aromatic TPH >C21-C35												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Aromatic TPH >C35-C44												<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total TPH >C6-C40	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01					
Acenaphthylene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Acenaphthene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluorene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Phenanthrene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Pyrene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[a]anthracene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Chrysene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo fluoranthene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[k]fluoranthene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Indeno(1,2,3-c,d)Pyrene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Dibenz(a,h)Anthracene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo[g,h,i]perylene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Total Of 16 PAH's	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Dichlorodifluoromethane	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Chloromethane	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Vinyl Chloride	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Bromomethane	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Chloroethane	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Trichlorofluoromethane	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,1-Dichloroethene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Trans 1,2-Dichloroethene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,1-Dichloroethane	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
cis 1,2-Dichloroethene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Bromochloromethane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,1-Dichloropropene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,2-Dichloropropane	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Dibromomethane	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Bromodichloromethane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
cis-1,3-Dichloropropene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trans-1,3-Dichloropropene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichloropropane	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Dibromochloromethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromoethane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chlorobenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,1,1,2-Tetrachloroethane	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Tribromomethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Isopropylbenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Bromobenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,2,3-Trichloropropane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
N-Propylbenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
2-Chlorotoluene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,3,5-Trimethylbenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
4-Chlorotoluene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Tert-Butylbenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,2,4-Trimethylbenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sec-Butylbenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,3-Dichlorobenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
4-Isopropyltoluene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
N-Butylbenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,2-Dibromo-3-Chloropropane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2,4-Trichlorobenzene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,2,3-Trichlorobenzene	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Methyl Tert-Butyl Ether	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
N-Nitrosodimethylamine	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bis-(2-Chloroethyl)Ether	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,3-Dichlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2-Methylphenol (o-Cresol)	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bis(2-Chloroisopropyl)Ether	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Hexachloroethane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Nitrosodi-n-propylamine	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4-Methylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Nitrobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Isophorone	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2-Nitrophenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2,4-Dimethylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bis(2-Chloroethoxy)Methane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1,2,4-Trichlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4-Chloroaniline	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2-Methylnaphthalene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Hexachlorocyclopentadiene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2,4,6-Trichlorophenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2,4,5-Trichlorophenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2-Chloronaphthalene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2-Nitroaniline	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Acenaphthylene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2,6-Dinitrotoluene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Acenaphthene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3-Nitroaniline	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Surface Water H1 Risk Assessment Phase 1, Part A Screening Tests

RFR: Watercourse Q95 flow m³/s	EFR: Effluent flow rate (maximum) m³/s	EFR: Effluent flow rate (mean) m³/s
0.0258	0.10000	0.00603

Pre-SCREENING Is the substance present in the discharge?

SCREENING TEST 1 Does mean release concentration (RC) exceed 10% EQS?

SCREENING TEST 2 does the process contribution (PC) exceed 4 percent of the EQS?

SCREENING TEST 3 Does the difference between upstream quality and the Predicted Environmental Concentration (PEC) exceed 10% of the EQS

SCREENING TEST 4 Does the PEC exceed the EQS in the receiving water downstream of the discharge

Constituents	Unit	Limit of Detection	Freshwater EQS (Annual Average)	Freshwater EQS - Maximum allowable concentration (MAC)	Number of Samples	Minimum Value in discharge	Maximum Value in discharge	discharge mean (values below LOD treated as LOD)	count of tests	count of detections	Is the substance measured above LOD in the discharge?	Is the LOD sufficiently low (LOD>10% of EQS?)	10% EQS (AA)	Test failed? (AA)	10% EQS (MAC), where available	Test failed? (MAC)	Process Contribution PC (mean)	4% EQS (AA)	Test failed? (AA)	Process Contribution PC (max)	4% EQS (MAC), where available	Test failed? (MAC)	Predicted Environmental Concentration (PEC) (mean) (mg/l)	BC: Mean Upstream Concentration (values below LOD treated as LOD) mg/l	Test 3 failed? (AA)	BC (MAC) Maximum Upstream Concentration (values below LOD treated as LOD) mg/l	Predicted Environmental Concentration (PEC) (max) (mg/l)	Test 3 failed? (MAC)	AA test failed? (AA PEC above AA EQS)	MAC test failed? (MAC-PEC above MAC-EQS)
Dibenzofuran	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
4-Chlorophenylphenylether	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
2,4-Dinitrotoluene	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
Fluorene	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
Diethyl Phthalate	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
4-Nitroaniline	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
2-Methyl-4,6-Dinitrophenol	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
Azobenzene	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
4-Bromophenylphenyl Ether	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
Phenanthrene	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
Carbazole	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
Di-N-Butyl Phthalate	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
Pyrene	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
Butylbenzyl Phthalate	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
Benzo[a]anthracene	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
Chrysene	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
Bis(2-Ethylhexyl)Phthalate	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
Di-N-Octyl Phthalate	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
Benzo fluoranthene	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
Benzo[k]fluoranthene	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
Indeno(1,2,3-c,d)Pyrene	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
Dibenz(a,h)Anthracene	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
Benzo[g,h,i]perylene	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
4-Nitrophenol	mg/l	0.0005	No EQS		16	0.0005	0.0005	0.0005	16	0	NO	N/A No EQS																		
PCB 28	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.0000	16	0	NO	N/A No EQS																		
PCB 81	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.0000	16	0	NO	N/A No EQS																		
PCB 52	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.0000	16	0	NO	N/A No EQS																		
PCB 77	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.0000	16	0	NO	N/A No EQS																		
PCB 105	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.0000	16	0	NO	N/A No EQS																		
PCB 90+101	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.0000	16	0	NO	N/A No EQS																		
PCB 114	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.0000	16	0	NO	N/A No EQS																		
PCB 118	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.0000	16	0	NO	N/A No EQS																		
PCB 118	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.0000	16	0	NO	N/A No EQS																		
PCB 153	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.0000	16	0	NO	N/A No EQS																		
PCB 123	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.0000	16	0	NO	N/A No EQS																		
PCB 138	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.0000	16	0	NO	N/A No EQS																		
PCB 126	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.0000	16	0	NO	N/A No EQS																		
PCB 180	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.0000	16	0	NO	N/A No EQS																		
PCB 156	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.0000	16	0	NO	N/A No EQS																		
PCB 157	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.0000	16	0	NO	N/A No EQS																		
PCB 167	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.0000	16	0	NO	N/A No EQS																		
PCB 169	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.0000	16	0	NO	N/A No EQS																		
PCB 189	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.0000	16	0	NO	N/A No EQS																		
Total PCBs (12 Congeners)	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.0000	16	0	NO	N/A No EQS																		
Total PCBs (7 congeners)	mg/l	0.00001	No EQS		16	0.00001	0.00001	0.0000	16	0	NO	N/A No EQS																		
Total Phenols	mg/l	0.030	No EQS		16	0.03	0.03	0.0300	16	0	NO	N/A No EQS																		
Total Aliphatic Hydrocarbons	mg/l	0.005	No EQS		16	0.005	0.005	0.0050	5	0	NO	N/A No EQS																		
Total Aromatic Hydrocarbons	mg/l	0.005	No EQS		16	0.005	0.005	0.0050	5	0	NO	N/A No EQS																		
Total Petroleum Hydrocarbons	mg/l	0.01	No EQS		16	0.01	0.01	0.0100	5	0	NO	N/A No EQS																		

Constituents	C3S	C3D	C4S	C3s	C3d	C4S	C4D	C3S	C3D	C4S	C4D	C3S	C3D	P10	C4S	C4D
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m
	10/11/2020	10/11/2020	11/11/2020	13/05/2021	13/05/2021	18/05/2021	18/05/2021	16/11/2021	16/11/2021	16/11/2021	16/11/2021	23/06/2022	23/06/2022	23/06/2022	28/06/2022	28/06/2022
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4-Chlorophenylphenylether	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2,4-Dinitrotoluene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Fluorene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Diethyl Phthalate	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4-Nitroaniline	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2-Methyl-4,6-Dinitrophenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Azobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4-Bromophenylphenyl Ether	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Phenanthrene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Carbazole	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Di-N-Butyl Phthalate	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Pyrene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Butylbenzyl Phthalate	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Benzo[a]anthracene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chrysene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Bis(2-Ethylhexyl)Phthalate	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Di-N-Octyl Phthalate	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Benzo fluoranthene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Benzo[k]fluoranthene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Indeno(1,2,3-c,d)Pyrene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dibenz(a,h)Anthracene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Benzo[g,h,i]perylene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4-Nitrophenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
PCB 28	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 81	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 52	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 77	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 105	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 90+101	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 114	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 118	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 118	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 153	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 123	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 138	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 126	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 180	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 156	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 157	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 167	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 169	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PCB 189	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Total PCBs (12 Congeners)	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Total PCBs (7 congeners)	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Total Phenols	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Total Aliphatic Hydrocarbons												<0.005	<0.005	<0.005	<0.005	<0.005
Total Aromatic Hydrocarbons												<0.005	<0.005	<0.005	<0.005	<0.005
Total Petroleum Hydrocarbons												<0.01	<0.01	<0.01	<0.01	<0.01

Surface Water H1 Risk Assessment Phase 1, Part A Screening Tests

RFR: Watercourse Q95 flow m^3/s: 0.0258 | EFR: Effluent flow rate (maximum) m^3/s: 0.10000 | EFR: Effluent flow rate (mean) m^3/s: 0.00603

Pre-SCREENING Is the substance present in the discharge?

SCREENING TEST 1 Does mean release concentration (RC) exceed 10% EQS?

SCREENING TEST 2 does the process contribution (PC) exceed 4 percent of the EQS?

SCREENING TEST 3 Does the difference between upstream quality and the Predicted Environmental Concentration (PEC) exceed 10% of the EQS

SCREENING TEST 4 Does the PEC exceed the EQS in the receiving water downstream of the discharge

Constituents	Unit	Limit of Detection	Freshwater EQS (Annual Average)	Freshwater EQS - Maximum allowable concentration (MAC)	Number of Samples	Minimum Value in discharge	Maximum Value in discharge	discharge mean (values below LOD treated as LOD)	count of tests	count of detections	Is the substance measured above LOD in the discharge?	Is the LOD sufficiently low (LOD>10% of EQS?)	10% EQS (AA)	Test failed? (AA)	10% EQS (MAC), where available	Test failed? (MAC)	Process Contribution PC (mean)	4% EQS (AA)	Test failed? (AA)	Process Contribution PC (max)	4% EQS (MAC), where available	Test failed? (MAC)	Predicted Environmental Concentraion (PEC) (mean) (mg/l)	BC: Mean Upstream Concentration (values below LOD treated as LOD) mg/l	Test 3 failed? (AA)	BC (MAC) Maximum Upstream Concentration (values below LOD treated as LOD) mg/l	Predicted Environmental Concentraion (PEC) (max) (mg/l)	Test 3 failed? (MAC)	AA test failed? (AA PEC above AA EQS)	MAC test failed? (MAC-PEC above MAC-EQS)
Cadmium (Dissolved)	µg/l	0.08	0.25	1.5	16	0.08	0.84	0.27500	16	7	yes	NO	3E-02	yes	0.15	yes	0.0521	0.01	yes	0.66773	0.06	yes	0.13793	0.1059	Yes	0.56000	0.68945	NO	NO	NO
Chloride	µg/l	1000	250000	N/A	16	26000	2100000	350938	16	16	yes	yes	25000	yes	N/A	N/A	66483.0	10000	yes	N/A	N/A	N/A	154137	108140.0000	Yes	###########	N/A	N/A	NO	N/A
Manganese (Dissolved)	µg/l	1	211	N/A	16	1	14000	1183	16	15	yes	yes	21.1000	yes	N/A	N/A	224.111	8.44	yes	N/A	N/A	N/A	374.84	185.9600	Yes	2900.00000	N/A	N/A	Yes	N/A
Nickel (Dissolved)	µg/l	1	17	34	16	0.5	31	7.44	16	12	yes	yes	1.7000	yes	3.4	yes	1.40899	0.68	yes	24.64229	1.36	yes	3.5132	2.5960	NO	21.00000	25.175	yes	NO	NO
Dissolved Chromium (Trivalent)	µg/l	1	4.7	32	16	1	68	9.44	16	13	yes	NO	0.4700	yes	3.2	yes	1.78788	0.188	yes	54.05405	1.28	yes	14.1894	15.3000	NO	45.00000	57.192	yes	Yes	yes
Ammoniacal Nitrogen	µg/l N	50	466.67	N/A	16	50	1400	282.94	16	12	yes	NO	46.6667	yes	N/A	N/A	53.6008	18.6667	yes	N/A	N/A	N/A	2452.699	2959.8182	NO	67000.00000	N/A	N/A	Yes	N/A
Nitrite	µg/l	20	10	N/A	16	20	340	69.56	16	6	yes	NO	1.0000	yes	N/A	N/A	13.1782	0.4	yes	N/A	N/A	N/A	278.76	327.6591	NO	1100.00000	N/A	N/A	Yes	N/A
Phosphorus (Dissolved)	µg/l	20	8	N/A	16	20	110	53.25	16	10	yes	NO	0.8000	yes	N/A	N/A	10.0879	0.32	yes	N/A	N/A	N/A	135.10	154.2308	NO	520.00000	N/A	N/A	Yes	N/A
Ammonium	µg/l NH4	50	600	N/A	16	50	1300	274.75	16	14	yes	yes	60.0000	yes	N/A	N/A	52.0497	24	yes	N/A	N/A	N/A	2721.91	3293.8600	NO	82000.00000	N/A	N/A	Yes	N/A
Anthracene	µg/l	0.5	0.1	0.1	16	0.5	0.5	0.50	16	0	NO	NO	0.010000	yes	0.01	yes	0.09472	0.004	yes	0.39746	0.004	yes	0.15276	0.0716	Yes	0.50000	0.41214	NO	Yes	yes
Cyanide (Free) Low-Level	µg/l	5	1	5	16	5	5	5.00	16	0	NO	NO	0.1000	yes	0.5	yes	0.94722	0.04	yes	3.97456	0.2	yes	5.01621	5.0200	NO	6.00000	5.00410	NO	Yes	yes
Dissolved Chromium (Hexavalent)	µg/l	20	3.4	N/A	16	20	20	6.25	16	11	yes	NO	0.3400	yes	N/A	N/A	1.18402	0.136	yes	15.89825	N/A	N/A	17.39515	20.0000	NO	20.00000	20.00000	N/A	Yes	N/A
Fluoranthene	µg/l	0.01	0.0063	1.2	16	0.01	0.01	0.01	16	0	NO	NO	0.000630	yes	0.12	NO	0.00189	0.00025	yes	0.00795	0.048	NO	0.05993	0.0716	NO	0.50000	0.02263	NO	Yes	NO
Benzo[a]pyrene	µg/l	0.01	0.00017	0.27	16	0.01	0.01	0.01	16	0	NO	NO	0.000017	yes	0.027	NO	0.00189	6.8E-06	yes	0.00795	0.0108	NO	0.05993	0.0716	NO	0.50000	0.02263	NO	Yes	NO
Hexachlorobenzene	µg/l	0.5	0.05	0.05	16	0.5	0.5	0.50	16	0	NO	NO	0.005000	yes	0.005	yes	0.09472	0.002	yes	0.39746	0.002	yes	0.50000	0.5000	NO	0.50000	0.50000	NO	Yes	yes
Pentachlorophenol	µg/l	0.5	0.4	1	16	0.5	0.5	0.50	16	0	NO	NO	0.040000	yes	0.1	yes	0.09472	0.016	yes	0.39746	0.04	yes	0.50000	0.5000	NO	0.50000	0.50000	NO	Yes	NO
Lead (Dissolved)	µg/l	1	12	14	16	0.5	1.9	0.81	16	5	yes	yes	1.2000	No	1.4	yes	0.15345	0.48	NO	1.51033	0.56	yes	0.8497	0.8590	NO	1.00000	1.687	NO	NO	NO
Hexachlorobutadiene	µg/l	0.1	No EQS	0.6	16	0.1	0.1	0.10	16	0	NO	NO	0.01	N/A	0.06	yes	0.01894	N/A	N/A	0.079491	0.024	yes	0.552290292	0.6580	N/A	1.00000	0.214438792	NO	N/A	NO
Low-Level Dissolved Chromium (Hexavalent)	µg/l	0.1	3.4	N/A	16	0.1	5.3	0.73	16	9	yes	yes	0.3400	yes	N/A	N/A	0.13889	0.136	yes	N/A	N/A	N/A	1.0558	1.1313	NO	5.30000	N/A	N/A	NO	N/A
Naphthalene	µg/l	0.5	2	130	16	0.5	0.5	0.50	16	0	NO	NO	0.2000	yes	13	NO	0.09472	0.08	yes	0.39746	5.2	NO	0.15276	0.0716	NO	0.50000	0.41214	NO	NO	NO
Boron (Dissolved)	µg/l	20	2000	N/A	16	10	920	243	16	13	yes	yes	200.0000	yes	N/A	N/A	46.0941	80	NO	731.31955	N/A	N/A								
2,4-Dichlorophenol	µg/l	0.5	4.2	140	16	0.5	0.5	0.50	16	0	NO	NO	0.4200	yes	14	NO	0.09472	0.168	NO	0.39746	5.6	NO								
Sulphate	µg/l	1000	400000	N/A	16	25000	95000	41625	16	16	yes	yes	40000	yes	N/A	N/A	7885.6	16000	NO	N/A	N/A	N/A								
Iron (Dissolved)	µg/l	20	1000	N/A	16	5	1300	206	16	12	yes	yes	100.0000	yes	N/A	N/A	38.9307	40	NO	N/A	N/A	N/A								
Zinc (Dissolved)	µg/l	1	49	N/A	16	2.4	35	9.87	16	12	yes	yes	4.9000	yes	N/A	N/A	1.86957	1.96	NO	N/A	N/A	N/A								
Dissolved Mercury Low Level	µg/l	0.01	0.07	N/A	16	0.01	0.01	0.01	16	0	NO	NO	0.0070	yes	N/A	N/A	0.00189	0.0028	NO											
Anthracene	µg/l	0.01	0.1	0.1	16	0.01	0.01	0.01	16	0	NO	NO	0.0100	No	0.01	NO														
Arsenic (Dissolved)	µg/l	1	50	N/A	16	0.2	2.7	1.26	16	12	yes	yes	5.0000	No	N/A	N/A														
Copper (Dissolved)	µg/l	1	29	N/A	16	0.5	9.7	1.83	16	11	yes	yes	2.9000	No	N/A	N/A														
Naphthalene	µg/l	0.01	2	130	16	0.01	0.01	0.01	16	0	NO	yes																		
Benzene	µg/l	0.1	10	50	16	0.1	0.1	0.10	16	0	NO	yes																		
Toluene	µg/l	0.1	74	380	16	0.1	0.1	0.10	16	0	NO	yes																		
Styrene	µg/l	0.1	50	500	16	0.1	0.1	0.10	16	0	NO	yes																		
1,4-Dichlorobenzene	µg/l	0.1	20	200	16	0.1	0.1	0.10	16	0	NO	yes																		
1,2-Dichlorobenzene	µg/l	0.1	20	200	16	0.1	0.1	0.10	16	0	NO	yes																		
Phenol	µg/l	0.5	7.7	46	16	0.5	0.5	0.50	16	0	NO	yes																		
1,4-Dichlorobenzene	µg/l	0.5	20	200	16	0.5	0.5	0.50	16	0	NO	yes																		
1,2-Dichlorobenzene	µg/l	0.5	20	200	16	0.5	0.5	0.50	16	0	NO	yes																		
Dimethylphthalate	µg/l	0.5	800	4000	16	0.5	0.5	0.50	16	0	NO	yes																		
Trichloromethane	µg/l	0.1	2.5	0	16	0.1	0.1	0.10	16	0	NO	yes																		
1,1,1-Trichloroethane	µg/l	0.1	100	0	16	0.1	0.1	0.10	16	0	NO	yes																		
Tetrachloromethane	µg/l	0.1	12	0	16	0.1	0.1	0.10	16	0	NO	yes																		
1,2-Dichloroethane	µg/l	0.2	10	0	16	0.2	0.2	0.20	16	0	NO	yes																		
Trichloroethene	µg/l	0.1	10	0	16	0.1	0.1	0.10	16	0	NO	yes																		
1,1,2-Trichloroethane	µg/l	0.1	400	0	16	0.1	0.1	0.10	16	0	NO	yes																		
Tetrachloroethene	µg/l	0.1	10	0	16	0.1	0.1	0.10	16	0	NO	yes																		
Ethylbenzene	µg/l	0.1	20	0	16	0.1	0.1	0.10	16	0	NO	yes																		
m & p-Xylene	µg/l	0.1	30	0	16	0.1	0.1	0.10	16	0	NO	yes																		
o-Xylene	µg/l	0.1	30	0	16	0.1	0.1	0.10	16	0	NO	yes																		
2-Chlorophenol	µg/l	0.5	50	0	16	0.5	0.5	0.50	16	0	NO	yes																		
4-Chloro-3-Methylphenol	µg/l	0.5	40	0	16	0.5	0.5	0.50	16	0	NO	yes																		
Chromium (Dissolved)	µg/l	1	See Cr III and VI	N/A	16	0.5	73	10.14	16	9	yes	N/A No EQS	N/A	N/A	N/A	N/A														
Dissolved Organic Carbon Low Level	µg/l	N/A	No EQS	N/A	16	720	9700	1991	16	16	yes	N/A No EQS	N/A	N/A	N/A	N/A														
Aggressive Dissolved CO2	µg/l	600	No EQS	N/A	16	600	14000	1188	16	15	yes	N/A No EQS	N/A	N/A	N/A	N/A														
Electrical Conductivity	µS/cm	1.0	No EQS	N/A	16	200	3300	1090625	16	16	yes	N/A No EQS	N/A	N/A	N/A	N/A														
Suspended Solids At 105C	µg/l	5000	No EQS	N/A	16	9000	100000	42813	16	16	yes	N/A No EQS	N/A	N/A	N/A	N/A														
Alkalinity (Total)	µg/l	10000	No EQS	N/A	16	10000	220000	68625	16	13	yes	N/A No EQS	N/A	N/A	N/A	N/A														
Nitrate	µg/l	500	No EQS	N/A	16	500	26000	5238	16	9	yes	N/A No EQS	N/A	N/A	N/A	N/A														
Phosphate	µg/l	200	No EQS	N/A	16	200	350	239	16	7	yes	N/A No EQS	N/A	N/A	N/A	N/A														
Total Oxidised Nitrogen	µg/l	200	No EQS	N/A	16	200	5900	1235	16	9	yes	N/A No EQS	N/A	N/A	N/A	N/A														
Calcium	µg/l	5000	No EQS	N/A	16	4600	680000	100181	16	16	yes	N/A No EQS	N/A	N/A	N/A	N/A														
Potassium	µg/l	500	No EQS	N/A	16	1700	17000	6400	16	16	yes	N/A No EQS	N/A	N/A	N/A	N/A														
Magnesium	µg/l	500	No EQS	N/A	16	1300	91000	18163	16	16	yes	N/A No EQS	N/A	N/A	N/A	N/A														
Sodium	µg/l	500	No EQS	N/A	16	21000	430000	82750	16	16	yes	N/A No EQS	N/A	N/A	N/A	N/A														
Aliphatic TPH >C5-C6	µg/l	0.1	No EQS	0	16	0.1	0.1	0.03	16	11	yes	N/A No EQS																		
Aliphatic TPH >C6-C8	µg/l	0.1	No EQS	0	16	0.1	0.1	0.03	16	11	yes	N/A No EQS																		
Aliphatic TPH >C8-C10	µg/l	0.1	No EQS	0	16	0.1	0.1	0.03	16	11	yes	N/A No EQS																		
Aliphatic TPH >C10-C12	µg/l	0.1	No EQS	0	16	0.1	0.1	0.03	16	11	yes	N/A No EQS																		
Aliphatic TPH >C12-C16	µg/l	0.1	No EQS	0	16	0.1	0.1	0.03	16	11	yes	N/A No EQS																		
Aliphatic TPH >C16-C21	µg/l	0.1	No EQS	0	16	0.1	0.1	0.03	16	11	yes	N/A No EQS																		
Aliphatic TPH >C21-C35	µg/l	0.1	No EQS	0	16	0.1	0.1	0.03	16	11	yes	N/A No EQS																		
Aliphatic TPH >C35-C44	µg/l	0.1	No EQS	0	16	0.1	0.1	0.03	16	11	yes	N/A No EQS																		
Aromatic TPH >C5-C7	µg/l	0.1	No EQS	0	16	0.1	0.1	0.03	16	11	yes	N/A No EQS																		
Aromatic TPH >C7-C8	µg/l	0.1	No EQS	0	16	0.1	0.1	0.03	16	11	yes	N/A No EQS																		
Aromatic TPH >C8-C10	µg/l	0.1	No EQS	0	16	0.1	0.1	0.03	16	11	yes	N/A No EQS																		
Aromatic TPH >C10-C12	µg/l	0.1	No EQS	0	16	0.1	0.1	0.03	16	11	yes	N/A No EQS																		
Aromatic TPH >C12-C16	µg/l	0.1	No EQS	0	16	0.1	0.1	0.03	16	11	yes	N/A No EQS																		
Aromatic TPH >C16-C21	µg/l	0.1	No EQS	0	16	0.1	0.1	0.03	16	11	yes	N/A No EQS																		
Aromatic TPH >C21-C35	µg/l	0.1	No EQS	0	16	0.1	0.1	0.03	16	11	yes	N/A No EQS																		
Aromatic TPH >C35-C44	µg/l	0.1	No EQS	0	16	0.1	0.1	0.03	16	11	yes	N/A No EQS																		
Total TPH >C6-C40	µg/l	10	No EQS	0	16	10	10	6.88	16	5	yes	N/A No EQS																		
Acenaphthylene	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																		
Acenaphthene	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																		
Fluorene	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																		
Phenanthrene	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																		
Pyrene	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																		
Benzo[a]anthracene	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																		
Chrysene	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																		
Benzo fluoranthene	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																		
Benzo[k]fluoranthene	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																		
Indeno(1,2,3-c,d)Pyrene	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																		
Dibenz(a,h)Anthracene	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																		
Benzo[g,h,i]perylene	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																		
Total Of 16 PAH's	µg/l	0.2	No EQS	0	16	0.2	0.2	0.20	16	0	NO	N/A No EQS																		
Dichlorodifluoromethane	µg/l	0.1	No EQS	0	16	0.1	0.1	0.10	16	0	NO	N/A No EQS																		
Chloromethane	µg/l	0.1	No EQS	0	16	0.1	0.1	0.10	16	0	NO	N/A No EQS																		
Vinyl Chloride	µg/l	0.1	No EQS	0	16	0.1	0.1	0.10	16	0	NO	N/A No EQS																		
Bromomethane	µg/l	2	No EQS	0	16	2	2	2.00	16	0	NO	N/A No EQS																		
Chloroethane	µg/l	0.2	No EQS	0	16	0.2	0.2	0.20	16	0	NO	N/A No EQS																		
Trichlorofluoromethane	µg/l	0.1	No EQS	0	16	0.1	0.1	0.10	16	0	NO	N/A No EQS																		
1,1-Dichloroethene	µg/l	0.1	No EQS	0	16	0.1	0.1	0.10	16	0	NO	N/A No EQS																		
Trans 1,2-Dichloroethene	µg/l	0.1	No EQS	0	16	0.1	0.1	0.10	16	0	NO	N/A No EQS																		
1,1-Dichloroethane	µg/l	0.1	No EQS	0	16	0.1	0.1	0.10	16	0	NO	N/A No EQS																		
cis 1,2-Dichloroethene	µg/l	0.1	No EQS	0	16	0.1	0.1	0.10	16	0	NO	N/A No EQS																		
Bromochloromethane	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		
1,1-Dichloropropene	µg/l	0.1	No EQS	0	16	0.1	0.1	0.10	16	0	NO	N/A No EQS																		
1,2-Dichloropropane	µg/l	0.1	No EQS	0	16	0.1	0.1	0.10	16	0	NO	N/A No EQS																		
Dibromomethane	µg/l	0.1	No EQS	0	16	0.1	0.1	0.10	16	0	NO	N/A No EQS																		
Bromodichloromethane	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		
cis-1,3-Dichloropropene	µg/l	1	No EQS	0	16	1	1	1.00	16	0	NO	N/A No EQS																		
Trans-1,3-Dichloropropene	µg/l	1	No EQS	0	16	1	1	1.00	16	0	NO	N/A No EQS																		
1,3-Dichloropropane	µg/l	0.2	No EQS	0	16	0.2	0.2	0.20	16	0	NO	N/A No EQS																		
Dibromochloromethane	µg/l	1	No EQS	0	16	1	1	1.00	16	0	NO	N/A No EQS																		
1,2-Dibromoethane	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		
Chlorobenzene	µg/l	0.1	No EQS	0	16	0.1	0.1	0.10	16	0	NO	N/A No EQS																		
1,1,1,2-Tetrachloroethane	µg/l	0.2	No EQS	0	16	0.2	0.2	0.20	16	0	NO	N/A No EQS																		
Tribromomethane	µg/l	1	No EQS	0	16	1	1	1.00	16	0	NO	N/A No EQS																		
Isopropylbenzene	µg/l	0.1	No EQS	0	16	0.1	0.1	0.10	16	0	NO	N/A No EQS																		
Bromobenzene	µg/l	0.1	No EQS	0	16	0.1	0.1	0.10	16	0	NO	N/A No EQS																		
1,2,3-Trichloropropane	µg/l	5	No EQS	0	16	5	5	5.00	16	0	NO	N/A No EQS																		
N-Propylbenzene	µg/l	0.1	No EQS	0	16	0.1	0.1	0.10	16	0	NO	N/A No EQS																		
2-Chlorotoluene	µg/l	0.1	No EQS	0	16	0.1	0.1	0.10	16	0	NO	N/A No EQS																		
1,3,5-Trimethylbenzene	µg/l	0.1	No EQS	0	16	0.1	0.1	0.10	16	0	NO	N/A No EQS																		
4-Chlorotoluene	µg/l	0.1	No EQS	0	16	0.1	0.1	0.10	16	0	NO	N/A No EQS																		
Tert-Butylbenzene	µg/l	0.1	No EQS	0	16	0.1	0.1	0.10	16	0	NO	N/A No EQS																		
1,2,4-Trimethylbenzene	µg/l	0.1	No EQS	0	16	0.1	0.1	0.10	16	0	NO	N/A No EQS																		
Sec-Butylbenzene	µg/l	0.1	No EQS	0	16	0.1	0.1	0.10	16	0	NO	N/A No EQS																		
1,3-Dichlorobenzene	µg/l	0.1	No EQS	0	16	0.1	0.1	0.10	16	0	NO	N/A No EQS																		
4-Isopropyltoluene	µg/l	0.1	No EQS	0	16	0.1	0.1	0.10	16	0	NO	N/A No EQS																		
N-Butylbenzene	µg/l	0.1	No EQS	0	16	0.1	0.1	0.10	16	0	NO	N/A No EQS																		
1,2-Dibromo-3-Chloropropane	µg/l	5	No EQS	0	16	5	5	5.00	16	0	NO	N/A No EQS																		
1,2,4-Trichlorobenzene	µg/l	0.1	No EQS	0	16	0.1	0.1	0.10	16	0	NO	N/A No EQS																		
1,2,3-Trichlorobenzene	µg/l	0.2	No EQS	0	16	0.2	0.2	0.20	16	0	NO	N/A No EQS																		
Methyl Tert-Butyl Ether	µg/l	0.1	No EQS	0	16	0.1	0.1	0.10	16	0	NO	N/A No EQS																		
N-Nitrosodimethylamine	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		
Bis-(2-Chloroethyl)Ether	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		
1,3-Dichlorobenzene	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		
2-Methylphenol (o-Cresol)	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		
Bis(2-Chloroisopropyl)Ether	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		
Hexachloroethane	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		
N-Nitrosodi-n-propylamine	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		
4-Methylphenol	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		
Nitrobenzene	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		
Isophorone	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		
2-Nitrophenol	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		
2,4-Dimethylphenol	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		
Bis(2-Chloroethoxy)Methane	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		
1,2,4-Trichlorobenzene	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		
4-Chloroaniline	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		
2-Methylnaphthalene	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		
Hexachlorocyclopentadiene	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		
2,4,6-Trichlorophenol	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		
2,4,5-Trichlorophenol	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		
2-Chloronaphthalene	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		
2-Nitroaniline	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		
Acenaphthylene	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		
2,6-Dinitrotoluene	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		
Acenaphthene	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		
3-Nitroaniline	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																		

Constituents	C3S	C3D	C4S	C3s	C3d	C4S	C4D	C3S	C3D	C4S	C4D	C3S	C3D	P10	C4S	C4D
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m
	10/11/2020	10/11/2020	11/11/2020	13/05/2021	13/05/2021	18/05/2021	18/05/2021	16/11/2021	16/11/2021	16/11/2021	16/11/2021	23/06/2022	23/06/2022	23/06/2022	28/06/2022	28/06/2022
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium (Dissolved)	0.13	<0.08	<0.08	0.46	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	0.65	0.84	0.35	0.42	0.62
Chloride	380000	53000	26000	1100000	51000	26000	330000	300000	46000	26000	680000	140000	71000	2100000	46000	240000
Manganese (Dissolved)	<1	160	1.9	14000	120	13	190	2300	110	78	100	870	210	590	34	150
Nickel (Dissolved)	16	<1	<1	24	3.9	31	20	5.8	<0.5	1.1	2.3	2	<0.5	1.1	3.5	5.3
Dissolved Chromium (Trivalent)	3	<1	2	3	6	68	45	0	0	0	0	6	<1	<1	6	9
Ammoniacal Nitrogen	<50	170	<50	240	160	<50	<50	75	62	210	210	340	220	240	1000	1400
Nitrite	33	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	97	65	58	340	320
Phosphorus (Dissolved)	24	110	100	22	82	95	39	<20	69	91	<20	<20	100	<20	<20	<20
Ammonium	63	200	<50	310	190	<50	51	90	72	260	270	410	230	290	560	1300
Anthracene	<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	<0.5	<0.5
Cyanide (Free) Low-Level	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dissolved Chromium (Hexavalent)	0	0	0	0	0	0	0	0	0	0	0	<20	<20	<20	<20	<20
Fluoranthene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[a]pyrene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobenzene	<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	<0.5	<0.5
Pentachlorophenol	<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	<0.5	<0.5
Lead (Dissolved)	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	1.9	<0.5	1.2	<0.5	0.74	0.92
Hexachlorobutadiene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Low-Level Dissolved Chromium (Hexavalent)	<0.1	<0.1	0.95	4.4	0.38	5.3	<0.1	<0.1	<0.1	<0.1	<0.1	0	0	0	0	0
Naphthalene	<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	<0.5	<0.5
Boron (Dissolved)	42	<20	<20	41	14	14	34	900	760	920	830	29	<10	21	190	48
2,4-Dichlorophenol	<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	<0.5	<0.5
Sulphate	27000	36000	28000	53000	32000	25000	47000	34000	36000	25000	50000	32000	43000	95000	42000	61000
Iron (Dissolved)	350	170	<20	34	24	310	200	27	<5	670	1300	<5	<5	110	28	30
Zinc (Dissolved)	7.8	2.4	3.2	15	<3	<3	<3	13	<2.5	23	35	9.3	3.8	3.9	15	15
Dissolved Mercury Low Level	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Anthracene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic (Dissolved)	<1	1.8	<1	<0.2	1.3	0.6	0.86	<0.2	1.4	1.8	1.1	0.88	2.7	0.76	2.1	2.5
Copper (Dissolved)	1.2	<1	<1	0.7	9.7	1.7	1.1	0.54	<0.5	3.8	3.5	1.2	<0.5	<0.5	0.61	1.8
Naphthalene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Styrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenol	<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	<0.5	<0.5
1,4-Dichlorobenzene	<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	<0.5	<0.5
1,2-Dichlorobenzene	<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	<0.5	<0.5
Dimethylphthalate	<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	<0.5	<0.5
Trichloromethane	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloromethane	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,2-Trichloroethane	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m & p-Xylene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o-Xylene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Chlorophenol	<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	<0.5	<0.5
4-Chloro-3-Methylphenol	<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	<0.5	<0.5
Chromium (Dissolved)	2.6	<1	2.9	7.1	6.8	73	45	<0.5	<0.5	<0.5	<0.5	5.8	<0.5	<0.5	6	9.1
Dissolved Organic Carbon Low Level	5200	3300	3100	9700	720	730	910	3700	1000	1600	1900	0	0	0	0	0
Aggressive Dissolved CO2	0	0	0	0	0	0	0	2900	1500	<600	14000	0	0	0	0	0
Electrical Conductivity	1300000	360000	240000	3300000	400000	200000	1400000	880000	330000	250000	2600000	1400000	1500000	1900000	290000	1100000
Suspended Solids At 105C	9000	28000	26000	25000	20000	12000	29000	37000	54000	84000	68000	35000	73000	56000	100000	29000
Alkalinity (Total)	<10000	78000	22000	<10000	55000	11000	220000	<10000	53000	14000	170000	55000	96000	100000	24000	170000
Nitrate	2400	<500	17000	1800	<500	16000	<500	5800	<500	26000	<500	3100	<500	<500	6000	2200
Phosphate	<200	350	320	<200	250	290	<200	<200	210	280	<200	<200	320	<200	<200	<200
Total Oxidised Nitrogen	540	<200	3800	410	<200	3600	<200	1300	<200	5900	<200	720	<200	<200	1500	590
Calcium	16000	37000	8100	48000	30000	5200	200000	10000	33000	6700	330000	5300	39000	680000	4600	150000
Potassium	8600	1700	3300	11000	2000	2600	12000	5700	2000	2800	14000	3500	2200	17000	3000	11000
Magnesium	27000	1300	5600	91000	2200	5200	13000	19000	1700	6200	19000	9100	2200	71000	6100	11000
Sodium	110000	23000	24000	430000	25000	21000	53000	120000	24000	24000	120000	60000	26000	200000	25000	39000
Aliphatic TPH >C5-C6	0	0	0	0	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatic TPH >C6-C8	0	0	0	0	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatic TPH >C8-C10	0	0	0	0	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatic TPH >C10-C12	0	0	0	0	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatic TPH >C12-C16	0	0	0	0	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatic TPH >C16-C21	0	0	0	0	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatic TPH >C21-C35	0	0	0	0	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatic TPH >C35-C44	0	0	0	0	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.1	<0.1
Aromatic TPH >C5-C7	0	0	0	0	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.1	<0.1
Aromatic TPH >C7-C8	0	0	0	0	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.1	<0.1
Aromatic TPH >C8-C10	0	0	0	0	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.1	<0.1
Aromatic TPH >C10-C12	0	0	0	0	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.1	<0.1
Aromatic TPH >C12-C16	0	0	0	0	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.1	<0.1
Aromatic TPH >C16-C21	0	0	0	0	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.1	<0.1
Aromatic TPH >C21-C35	0	0	0	0	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.1	<0.1
Aromatic TPH >C35-C44	0	0	0	0	0	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.1	<0.1
Total TPH >C6-C40	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	0	0	0	0	0
Acenaphthylene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acenaphthene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Fluorene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Phenanthrene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Pyrene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[a]anthracene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chrysene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo fluoranthene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[k]fluoranthene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Indeno(1,2,3-c,d)Pyrene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenz(a,h)Anthracene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[g,h,i]perylene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Of 16 PAH's	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloromethane	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl Chloride	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromomethane	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichlorofluoromethane	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trans 1,2-Dichloroethene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis 1,2-Dichloroethene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromochloromethane	<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	<0.5	<0.5
1,1-Dichloropropene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloropropane	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibromomethane	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromodichloromethane	<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	<0.5	<0.5
cis-1,3-Dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-Dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dibromoethane	<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	<0.5	<0.5
Chlorobenzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1,2-Tetrachloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Tribromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Isopropylbenzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromobenzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
N-Propylbenzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Chlorotoluene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3,5-Trimethylbenzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Chlorotoluene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tert-Butylbenzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,4-Trimethylbenzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sec-Butylbenzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Isopropyltoluene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
N-Butylbenzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dibromo-3-Chloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trichlorobenzene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,3-Trichlorobenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methyl Tert-Butyl Ether	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
N-Nitrosodimethylamine	<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	<0.5	<0.5
Bis-(2-Chloroethyl)Ether	<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	<0.5	<0.5
1,3-Dichlorobenzene	<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	<0.5	<0.5
2-Methylphenol (o-Cresol)	<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	<0.5	<0.5
Bis(2-Chloroisopropyl)Ether	<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	<0.5	<0.5
Hexachloroethane	<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	<0.5	<0.5
N-Nitrosodi-n-propylamine	<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	<0.5	<0.5
4-Methylphenol	<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	<0.5	<0.5
Nitrobenzene	<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	<0.5	<0.5
Isophorone	<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	<0.5	<0.5
2-Nitrophenol	<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	<0.5	<0.5
2,4-Dimethylphenol	<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	<0.5	<0.5
Bis(2-Chloroethoxy)Methane	<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	<0.5	<0.5
1,2,4-Trichlorobenzene	<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	<0.5	<0.5
4-Chloroaniline	<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	<0.5	<0.5
2-Methylnaphthalene	<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	<0.5	<0.5
Hexachlorocyclopentadiene	<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	<0.5	<0.5
2,4,6-Trichlorophenol	<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	<0.5	<0.5
2,4,5-Trichlorophenol	<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	<0.5	<0.5
2-Chloronaphthalene	<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	<0.5	<0.5
2-Nitroaniline	<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	<0.5	<0.5
Acenaphthylene	<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	<0.5	<0.5
2,6-Dinitrotoluene	<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	<0.5	<0.5
Acenaphthene	<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	<0.5	<0.5
3-Nitroaniline	<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	<0.5	<0.5

Surface Water H1 Risk Assessment Phase 1, Part A Screening Tests

						RFR: Watercourse Q95 flow m^3/s	EFR: Effluent flow rate (maximum) m^3/s	EFR: Effluent flow rate (mean) m^3/s	Pre-SCREENING Is the substance present in the discharge?		SCREENING TEST 1 Does mean release concentration (RC) exceed 10% EQS?				SCREENING TEST 2 does the process contribution (PC) exceed 4 percent of the EQS?						SCREENING TEST 3 Does the difference between upstream quality and the Predicted Environmental Concentration (PEC) exceed 10% of the EQS						SCREENING TEST 4 Does the PEC exceed the EQS in the receiving water downstream of the discharge		
						0.0258	0.10000	0.00603																					
Constituents	Unit	Limit of Detection	Freshwater EQS (Annual Average)	Freshwater EQS - Maximum allowable concentration (MAC)	Number of Samples	Minimum Value in discharge	Maximum Value in discharge	discharge mean (values below LOD treated as LOD)	count of tests	count of detections	Is the substance measured above LOD in the discharge?	Is the LOD greater than the (LOD/10)% of EQS?	10% EQS (AA)	Test failed? (AA)	10% EQS (MAC), where available	Test failed? (MAC)	Process Contribution PC (max)	4% EQS (AA)	Test failed? (AA)	Process Contribution PC (max)	4% EQS (MAC), where available	Test failed? (MAC)	Predicted Environmental Concentration (PEC) (mean) (mg/l)	Bc- Mean Upstream Concentration (values below LOD treated as LOD) mg/l	Test 3 failed? (AA)	Bc (MAX) Maximum Upstream Concentration (values below LOD treated as LOD) mg/l	Predicted Environmental Concentration (PEC) (max) (mg/l)	Test 3 failed? (MAC)	AA test failed? (AA PEC above AA EQS)	MAC test failed? (MAC PEC above MAC EQS)	
Dibenzofuran	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																	
4-Chlorophenylphenylether	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																	
2,4-Dinitrotoluene	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																	
Fluorene	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																	
Diethyl Phthalate	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																	
4-Nitroaniline	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																	
2-Methyl-4,6-Dinitrophenol	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																	
Azobenzene	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																	
4-Bromophenylphenyl Ether	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																	
Phenanthrene	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																	
Carbazole	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																	
Di-N-Butyl Phthalate	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																	
Pyrene	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																	
Butylbenzyl Phthalate	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																	
Benzo(a)anthracene	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																	
Chrysene	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																	
Bis(2-Ethylhexyl)Phthalate	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																	
Di-N-Octyl Phthalate	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																	
Benzo fluoranthene	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																	
Benzo(k)fluoranthene	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																	
Indeno(1,2,3-c,d)Pyrene	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																	
Dibenz(a,h)Anthracene	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																	
Benzo(g,h,i)perylene	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																	
4-Nitrophenol	µg/l	0.5	No EQS	0	16	0.5	0.5	0.50	16	0	NO	N/A No EQS																	
PCB 28	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																	
PCB 81	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																	
PCB 52	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																	
PCB 77	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																	
PCB 105	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																	
PCB 90+101	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																	
PCB 114	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																	
PCB 118	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																	
PCB 118	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																	
PCB 153	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																	
PCB 123	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																	
PCB 138	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																	
PCB 126	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																	
PCB 180	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																	
PCB 156	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																	
PCB 157	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																	
PCB 167	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																	
PCB 169	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																	
PCB 189	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																	
Total PCBs (12 Congeners)	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																	
Total PCBs (7 congeners)	µg/l	0.01	No EQS	0	16	0.01	0.01	0.01	16	0	NO	N/A No EQS																	
Total Phenols	µg/l	30	No EQS	0	16	30	30	30.00	16	0	NO	N/A No EQS																	
Total Aliphatic Hydrocarbons	µg/l	5	No EQS	0	16	5	5	1.56	16	11	yes	N/A No EQS																	
Total Aromatic Hydrocarbons	µg/l	5	No EQS	0	16	5	5	1.56	16	11	yes	N/A No EQS																	
Total Petroleum Hydrocarbons	µg/l	10	No EQS	0	16	10	10	3.13	16	11	yes	N/A No EQS																	

	C3S	C3D	C4S	C3s	C3d	C4S	C4D	C3S	C3D	C4S	C4D	C3S	C3D	P10	C4S	C4D													
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m													
	10/11/2020	10/11/2020	11/11/2020	13/05/2021	13/05/2021	18/05/2021	18/05/2021	16/11/2021	16/11/2021	16/11/2021	16/11/2021	23/06/2022	23/06/2022	23/06/2022	28/06/2022	28/06/2022													
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
Dibenzofuran	<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	<0.5	<0.5													
4-Chlorophenylphenylether	<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	<0.5	<0.5													
2,4-Dinitrotoluene	<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	<0.5	<0.5													
Fluorene	<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	<0.5	<0.5													
Diethyl Phthalate	<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	<0.5	<0.5													
4-Nitroaniline	<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	<0.5	<0.5													
2-Methyl-4,6-Dinitrophenol	<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	<0.5	<0.5													
Azobenzene	<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	<0.5	<0.5													
4-Bromophenylphenyl Ether	<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	<0.5	<0.5													
Phenanthrene	<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	<0.5	<0.5													
Carbazole	<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	<0.5	<0.5													
Di-N-Butyl Phthalate	<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	<0.5	<0.5													
Pyrene	<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	<0.5	<0.5													
Butylbenzyl Phthalate	<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	<0.5	<0.5													
Benzo(a)anthracene	<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	<0.5	<0.5													
Chrysene	<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	<0.5	<0.5													
Bis(2-Ethylhexyl)Phthalate	<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	<0.5	<0.5													
Di-N-Octyl Phthalate	<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	<0.5	<0.5													
Benzo fluoranthene	<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	<0.5	<0.5													
Benzo(k)fluoranthene	<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	<0.5	<0.5													
Indeno(1,2,3-c,d)Pyrene	<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	<0.5	<0.5													
Dibenz(a,h)Anthracene	<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	<0.5	<0.5													
Benzo(g,h,i)perylene	<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	<0.5	<0.5													
4-Nitrophenol	<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	<0.5	<0.5													
PCB 28	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01													
PCB 81	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01													
PCB 52	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01													
PCB 77	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01													
PCB 105	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01													
PCB 90+101	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01													
PCB 114	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01													
PCB 118	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01													
PCB 118	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01													
PCB 153	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01													
PCB 123	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01													
PCB 138	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01													
PCB 126	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01													
PCB 180	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01													
PCB 156	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01													
PCB 157	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01													
PCB 167	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01													
PCB 169	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01													
PCB 189	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01													
Total PCBs (12 Congeners)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01													
Total PCBs (7 congeners)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01													
Total Phenols	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30													
Total Aliphatic Hydrocarbons	0	0	0	0	0	0	0	0	0	0	0	<5	<5	<5	<5	<5													
Total Aromatic Hydrocarbons	0	0	0	0	0	0	0	0	0	0	0	<5	<5	<5	<5	<5													
Total Petroleum Hydrocarbons	0	0	0	0	0	0	0	0	0	0	0	<10	<10	<10	<10	<10													

Surface Water H1 Risk Assessment Phase 1, Part A Screening Tests

Constituents	Unit	Limit of Detection	Freshwater EQS (Annual Average)	Number of Samples	Minimum Value	Maximum Value	mean (values below LOD treated as LOD)	count of tests	count of detections	Is the substance measured in the discharge?	Is the LOD sufficiently low (LOD<10% of EQS?)	Is the substance a Priority Hazardous Substance with a Significant Load limit?	Significant load in the discharge	520992													
					RFR: Watercourse Q95 flow m^3/s	EFR: Effluent flow rate (mean) m^3/s				Pre-SCREENING Is the substance present I nthe discharge?				C3S	C3D	C4S	C3s	C3d	C4S	C4D	C3S	C3D	C4S	C4D	C3S	C3D	P10	C4S	C4D
					0.0258	0.00603								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
														-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m	-m
														10/11/2020	10/11/2020	11/11/2020	13/05/2021	13/05/2021	18/05/2021	18/05/2021	16/11/2021	16/11/2021	16/11/2021	16/11/2021	23/06/2022	23/06/2022	23/06/2022	28/06/2022	28/06/2022
														-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
														-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium (Dissolved)	mg/l	0.00008	0.00025	16	0.00008	0.00084	0.0003	16	7	YES	NO	YES	5.23E-05	0.00013	0.00008	0.00008	0.00046	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00065	0.00084	0.00035	0.00042	0.00062
Anthracene	mg/l	0.00001	0.0001	16	0.0005	0.0005	0	16	0	NO	NO	YES	9.51E-05																
Hexachlorobenzene	mg/l	0.0005	0.00005	16	0.0005	0.0005	0	16	0	NO	NO	YES	9.51E-05																
Hexachlorobutadiene	mg/l	0.0001		16	0.0001	0.0001	0	16	0	NO	NO	YES	1.90E-05																
Dissolved Mercury Low Level	mg/l	0.00001	0.00007	16	0.00001	0.00001	0	16	0	NO	NO	YES	1.90E-06																
Benzo[a]pyrene	mg/l	0.00001	0.00000017	16	0.00001	0.00001	0	16	0	NO	NO	YES	1.90E-06																
Sum of benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, indeno(1,2,3cd)pyrene.	mg/l	0.00004	0.00017	16	0.00004	0.00004	0.00004	16	0	NO	NO	YES	7.61E-06																