Oxford Flood Alleviation Scheme

Contaminated Land Assessment and Outline Remediation Strategy

May 2018

Prepared by CH2M on behalf of the Environment Agency

Supported by the Local Growth Fund

Document History

Document number: IMSE500177-CH2-ZZ-ZZ-RP-GT-0146

This document has been issued and amended as follows:

Version	Date	Description	Created by	Checked by	Approved by	Document Number
0	01/03/18	Draft - for EA Project team comment	NC/RW	RL	PM	See above
1	22/03/18	For inclusion with planning application	NC/RW	RL	PM	See above
2	18/05/18	Updated version Revised tables Appendix G added	RW/RL	JDM	PM	See above

Contents

Section Page

Introduction 1-4
1.1 Background 1-4
1.2 Scheme Objectives 1-4
1.3 The Need for a Contaminated Land Assessment 1-4
1.4 Consultation Responses 1-4
1.4.1 Oxfordshire County Council Scoping Opinion Response 1-4
1.4.2 Oxford City Council Scoping Response 1-5
1.5 Available Information 1-6
1.6 Limitations 1-6

Scheme Description 2-1
2.1 Development location and description 2-1
2.2 Scheme components 2-2
2.3 Temporary Works Areas 2-2

Scheme Environmental Setting 3-5
3.1 Geology and Hydrogeology 3-5
3.2 Hydrology 3-6
3.3 Current and Historic Land-use 3-8
3.4 Key current/ historic land-uses with contaminative potential 3-9
3.5 Former Landfills 3-10
3.6 Local Receptors 3-11

Contamination Assessment Methodology 4-13
4.1 Scheme Contamination Assessment Areas 4-13
4.2 Sample Locations 4-15
4.3 Screening process 4-15
4.3.1 Soil Solids 4-15
4.3.2 Soil Leachate Extraction 4-16
4.3.3 Groundwater and Surface Water 4-16
4.3.4 Gas 4-16

Ground Investigation Information: CA1 (Main Channel, Botley Road to Old Abingdon Road) 5-17
5.1 Ground Conditions 5-17
5.2 Chemical Test Results 5-18
5.2.1 Soil Chemistry 5-18
5.2.2 Soil Leachate Extraction Tests 5-20
5.2.3 Groundwater Chemistry 5-20
5.2.4 Surface Water Chemistry 5-20

Ground Investigation Information: CA2 (Kennington Road Landfills) 6-21
6.1 Ground Conditions 6-21
6.2 Chemical Test Results 6-21
6.2.1 Soil Solids Tests- Kennington Road West Landfill 6-21
6.2.2 Soil Solids Tests- Kennington Road East Landfill 6-22
6.2.3 Soil Leachate Extraction Tests 6-23
6.2.4 Groundwater Chemistry 6-23
6.2.5 Surface Water Chemistry 6-23
6.2.6 Soil Gas 6-25

Ground Investigation Information: CA3 (New culvert through Redbridge Landfill)..... 7-1
7.1 Ground Conditions..... 7-1
7.2 Chemical Test Results..... 7-1
7.2.1 Soil Solids Tests..... 7-1
7.2.2 Soil Leachate Extraction Tests..... 7-1
7.2.3 Groundwater Chemistry..... 7-1
7.2.4 Surface Water Chemistry..... 7-2
7.3 Soil Gas..... 7-2

Ground Investigation Information: CA4 (A423 Culverts Area)..... 8-3
8.1 Ground Conditions..... 8-3
8.2 Chemical Test Results..... 8-3
8.2.1 Soil Solids Tests..... 8-3
8.2.2 Soil Leachate Extraction Tests..... 8-3
8.2.3 Groundwater Chemistry..... 8-4
8.2.4 Surface Water Chemistry..... 8-4

Ground Investigation Information: CA5 (New Hinksey Flood Defence)..... 9-5
9.1 Ground Conditions..... 9-5
9.2 Chemical Test Results..... 9-5
9.2.1 Soil Solids Tests..... 9-5
9.2.2 Soil Leachate Extraction Tests..... 9-5
9.2.3 Groundwater and surface water Chemistry..... 9-5

Ground Investigation Information: CA6 (South Hinksey Flood Defence)..... 10-6
10.1 Ground Conditions..... 10-6
10.2 Chemical Test Results..... 10-6
10.2.1 Soil Solids Tests..... 10-6
10.2.2 Soil Leachate Extraction Tests..... 10-6
10.2.3 Groundwater and Surface Water Chemistry..... 10-6

Ground Investigation Information: CA7 (Eastwyke Ditch Weir)..... 11-7
11.1 Ground Conditions..... 11-7
11.2 Chemical Test Results..... 11-7
11.2.1 Soil Solids Tests..... 11-7
11.2.2 Soil Leachate Extraction Tests..... 11-7
11.2.3 Groundwater and Surface Water Chemistry..... 11-7

Ground Investigation Information: CA8A (Towles Mill Weir)..... 12-8
12.1 Ground Conditions..... 12-8
12.2 Chemical Test Results..... 12-8
12.2.1 Soil Solids Tests..... 12-8
12.2.2 Soil Leachate Extraction Tests..... 12-8
12.2.3 Groundwater and Surface Chemistry..... 12-8
12.3 Soil Gas..... 12-9

Ground Investigation Information: Temporary Works Areas CA8B (ColdHarbour Lane Landfill), and CA9 (Rivermead Landfill)..... 13-10
13.1 Ground Conditions..... 13-10
13.2 Chemical Test Results..... 13-10
13.2.1 Soil Leachate Chemistry..... 13-10
13.2.2 Groundwater and Surface Chemistry..... 13-10

Ground Investigation Information: CA10 (Area to North of Botley Road)..... 14-11
14.1 Ground Conditions..... 14-11
14.2 Chemical Test Results..... 14-11
14.2.1 Soil Chemistry..... 14-11
14.2.2 Soil Leachate Chemistry..... 14-12
14.2.3 Groundwater and Surface Chemistry..... 14-12

Ground Investigation Information: CA12 (Ferry Hinksey Flood Defence)..... 15-13
15.1 Ground Conditions..... 15-13
15.2 Chemical Test Results..... 15-13
15.2.1 Soil Chemistry..... 15-13
15.2.2 Soil Leachate Chemistry..... 15-13
15.2.3 Groundwater and Surface Water Chemistry..... 15-13

Risk Assessment..... 16-14
16.1 New/Widened Channel Sections..... 16-14
16.1.1 CA10: Channel widening and embankment to North of Botley Rd..... 16-14
16.1.2 Main Channel (Section from Botley Road to Old Abingdon Road)..... 16-14
16.1.3 CA2: New channel section through Kennington Landfills..... 16-16
16.2 CA4: A423 Culverts Area..... 16-18
16.3 Other Structures..... 16-19
16.3.1 CA5: Flood defence at New Hinksey..... 16-19
16.3.2 CA6: Flood defence at South Hinksey..... 16-19
16.3.3 CA12: Ferry Hinksey..... 16-20
16.3.4 CA7: Eastwyke Ditch Weir..... 16-21
16.3.5 CA8A Towles Mill Weir..... 16-21
16.4 Temporary Works Areas..... 16-22
16.4.1 CA8B and CA9: Rivermead and Cold Harbour Lane Landfills..... 16-22

Outline Remediation Strategy..... 17-23
17.1 Potentially Contaminated Strata..... 17-23
17.2 Scheme Materials requirements..... 17-23
17.3 Constraints on Re-use on Site..... 17-23
17.3.1 Re-use of Soils..... 17-23
17.3.2 Controlled Waters RA for potential receptor sites..... 17-24
17.3.3 Human Health RA for potential receptor sites..... 17-24
17.3.4 Onsite soil treatment options..... 17-25
17.4 Off-site soil disposal options..... 17-25
17.5 Contaminated Water Management..... 17-25
17.5.1 Construction contaminated groundwater management..... 17-25
17.5.2 Design of permanent below ground structures..... 17-26
17.6 Gas..... 17-26
17.6.1 Gas protection measures..... 17-26

Recommendations..... 18-27

References..... 19-28

Figures:

Figure 1- Scheme Location
Figure 2 - Overview of Scheme Design Areas
Figure 3 - Groundwater levels in summer 2017 (ESI, 2018)
Figure 4 - Surface Water Features near Scheme

Figure 5 - Key potential contaminative Historic/current land-uses near the Scheme
Figure 6 - Sub-division of Scheme for Contamination Assessment
Figure 7 - Surface Water Sample Locations (2015 and 2017 Ground Investigations)
Figure 8 - Thickness of encountered Made Ground deposits (2017 Ground Investigation)

Tables

Table 1 – Key sources of information for this Assessment
Table 2 – Summary of permanent elements of the Scheme by Area
Table 3 – Hydrogeological properties of natural formations in study area
Table 4 – Current and Historic Land-use with respect to Scheme elements
Table 5 – Landfills near the Scheme
Table 6 – Potential Contamination Receptors in/adjacent to Design Areas.
Table 7 – Assessment Areas for the review of contamination risks
Table 8 – CA1: Main Channel (Botley Road to Old Abingdon Road Ground Investigation locations with chemical soil results
Table 9 – Kennington Road West Landfill Ground Investigation Locations with chemical soil results
Table 10 – Kennington Road East Landfill Ground Investigation Locations with chemical soil results
Table 11 – Soil gas summary – Kennington Road Landfill sites
Table 12 – Redbridge Landfill Ground Investigation Locations with chemical soil results
Table 13 – Soil gas summary – Redbridge Landfill
Table 14 – A423 Culverts Area Ground Investigation Locations with chemical soil results
Table 15 – New Hinksey Flood Bund Ground Investigation Locations with chemical soil results
Table 16 – South Hinksey Flood Defence Ground Investigation Locations with chemical soil results
Table 17 – Area to North of Botley Road, CA10, Ground Investigation Locations with chemical soil results
Table 18 – Ferry Hinksey Flood Defence, CA 12, Ground Investigation Locations with chemical soil results
Table 19 - Contaminated Risks associated with the Scheme in the area to the north of Botley Road
Table 20 – Contaminated Risks Associated with the Main Channel Section between Botley Road and Old Abingdon Road
Table 21 – Contaminated Risks Associated with the Main Channel Section between Old Abingdon Road and the A423 West Culvert
Table 22 – Contamination Risks associated with the Scheme in the vicinity of the A423 culverts area
Table 23 – Contamination Risks associated with the Scheme in the New Hinksey area
Table 24 – Contamination Risks associated with the Scheme in the South Hinksey Area
Table 25 – Contamination Risks associated with the Scheme in the vicinity of Ferry Hinksey
Table 26 – Contamination Risks associated with the Scheme in the vicinity of Eastwyke Stream
Table 27 – Contamination Risks associated with the Scheme in the vicinity of Towles Mill Weir
Table 28 – Contamination Risks associated with the Scheme in the vicinity of Temporary Works areas
Table 29 – Potential Residual Contamination Risks that may require further investigation/action

Appendices

Appendix A Soil Solid Chemistry Results

Appendix B Soil Leachate Chemistry Results

Appendix C Groundwater Results

Appendix D Surface Water Results

Appendix E Exploratory Hole Location Plans

Appendix F Holebase cross-sections

Appendix G Technical Note on Groundwater Contamination in the Area to the North of Old Abingdon Road

Acronyms and Abbreviations

BGS	British Geological Survey
C4SL	Category four screening level
CAR (2012)	Control of Asbestos Regulations (2012)
CIEH	Chartered Institute for Environment Health
CIRIA	Construction Industry Research and Information Association
CL: AIRE	Contaminated Land: Applications in Real Environments
EA	Environment Agency
EQS	Environmental Quality Standard
FAS	Flood Alleviation Scheme
FRMS	Flood Risk Management Strategy
GI	Ground Investigation
GIR	Ground Investigation Report
MMA	Materials Management Area
mbgl	metres below ground level
mOD	metres above Ordnance datum
LW	Licensed Work (CAR 2012)
NLW	Non- Licensed Work (CAR 2012)
NNLW	Notifiable Non- Licensed Work (CAR 2012)
OCC	Oxfordshire County Council
PAH	Poly-Aromatic Hydrocarbon
RTD	River Terrace Deposits
S4UL	Suitable for Use Level
SGV	Soil Guidance Value
SVOC	Semi-Volatile Organic Compound
SSSI	Site of Special Scientific Interest
TPH	Total Petroleum Hydrocarbons
VOC	Volatile Organic Compound
VOWH	Vale of White Horse District Council
WYG	White Young Green Environment Ltd

SECTION 1

Executive Summary

Background

This report has been prepared to assess the ground contamination risks associated with the development of the Oxford Flood Alleviation Scheme and to inform the Environmental Statement that supports the planning application for the Scheme.

The Scheme comprises several elements on the west side of Oxford, in particular: new channel sections; channel enhancements; flood bunds; new stream control structures and bridges.

The contaminative potential of the land beneath most of the Scheme footprint is low, as it is primarily greenfield land. There are some areas of the Scheme with a higher potential for historic contaminative land uses though: in particular, closed landfills in the vicinity of Old Abingdon Road. Some sections of new channel will be constructed through these landfills.

This report has collated the available data on ground contamination from three phases of geo-environmental ground investigations that have been completed for the Scheme between 2008 and 2017, and the contamination risks associated with soils, soil gas and groundwater/surface water are described below.

Contaminated Soils

The investigations confirm the presence of typically a few metres of contaminated material in the areas of landfill. A larger body of fill is present in the ground forming the A423 embankments. Over most of the Scheme, there is much smaller amount (typically less than 0.5 m) of Made Ground, with much more limited or negligible contaminative potential.

The Scheme design assumes that all excavated Made Ground and any contaminated natural materials will be removed and disposed of to an off-site licensed waste management facility. Similarly, it is assumed that there will be no import of non-natural materials for earthworks. The risks associated with existing soil contamination to human health therefore appear to be limited; and should be dealt with standard measures adopted during the construction process, including:

- a watching brief for potential contaminative material during excavations, with an appropriate sampling regime to test suspected contaminated materials;
- safety measures for site workers when constructing in/on the landfills; and
- protective measures when temporarily storing any known or suspected contaminated soils on site.

Soil Gas

There are some concentrations of soil gas in the landfill areas that are typical of old landfills that have a biodegradable waste component. Production flow rates appear to be low, so there should be limited soil gas risk associated with the Scheme, either to on-site or off-site receptors, provided appropriate safety measures are implemented during the works in/adjacent to landfills, and any new below ground structures have passive ventilation, and a review of migration pathways via the new channel is completed.

Groundwater/surface water

The Scheme typically overlies Alluvium and organic Alluvium clays, over River Terrace Deposits of sand and gravels (an aquifer), over Oxford Clay bedrock. There are many streams and channels directly beneath or adjacent to the Scheme that may have connection to the aquifer, as well as ponds and wetlands.

The River Terrace Deposits aquifer beneath most of the Scheme generally appears to have some but limited amounts of baseline contaminants which reflect contaminants also seen in the local surface water channels. There are leachates showing contamination in the vicinity of the landfills, which are periodically saturated. Groundwater contamination in the underlying aquifer has also been identified at Redbridge; and to a much lesser extent beneath the Kennington Landfills. It is likely that any leachate discharges from the landfills already discharge into to the local surface water system to some degree. The sample results to date have not identified any substantial water quality impact on the channels, although these were from periods when leachate heads were low, and concentrations may be higher after prolonged wet conditions.

There are a few other sites with potentially significant groundwater contamination identified beneath the permanent Scheme footprint:

- an area adjacent to the railway line north of Old Abingdon Road;
- an area close to the Hinksey Stream culvert beneath the railway;
- the area close to the A423 culverts; and
- a section of the Hinksey Stream bank at Towles Mill, where anecdotal groundwater contamination has been reported by the EA.

As groundwater control may be required during the deeper excavations (e.g. for the new channel construction), there is the potential that in some areas, contaminated groundwater will be collected during construction and this will need to be either treated, recirculated, or disposed of off-site or to sewer (or treated in-situ prior to excavation). A review of the best way to deal with this for the at-risk areas should be completed once the construction methodology has been established. Methodologies will also need to be prepared that reduce the risk of creation of new pathways via piles or foundations.

The new channels through the Kennington and Redbridge landfills will be lined/sheet-piled to be near-impermeable, so it is unlikely that there would be a direct new pathway created between the leachate in the landfill and the new channels. However, the presence of new sheet pile sections and the new channel/culvert sections in or near the landfills may change existing groundwater flow paths and could therefore divert existing contaminated groundwater discharge points. Groundwater modelling performed suggests aquifer flow directions in the area of the landfills should not change significantly under either the dry or flood scenarios, although post-construction monitoring would be advisable to verify this; and to measure any change to surface water features' quality after construction is complete.

Some of the other areas of groundwater contamination mentioned above are close to channel sections that will not have impermeable lining, consideration should be given to the measures that will be necessary to reduce the risk of significant amounts of contaminated groundwater entering the channel during the operational phase.

<u>Recommendations</u>

- Water quality monitoring should be completed in key areas to establish pre-construction baseline information. This information should then be used towards the start of the construction period to determine the construction phase monitoring and control/trigger levels required to identify significant change.
- The risks associated with the A423 embankment area should be reviewed once the proposed supplementary ground investigation for the culvert design in this area has been completed (expected in 2018).
- Scheme designers should incorporate the findings of this report into the final design for the Scheme; and Contractors should be made aware of the potential risks associated with ground contamination, so that they can factor it into their construction methods.

- Methodologies to prevent adverse effects associated with ground contamination should be implemented via the construction contractor's Construction Environmental Management Plan.

Introduction

1.1 Background

The Environment Agency (EA), together with local partners, are proposing a flood alleviation Scheme (hereafter referred to as 'the Scheme') to reduce flood risk to the city of Oxford over the next 100 years. The Scheme comprises a combination of modifications to existing channels to increase their capacity, together with the construction of a new two-stage channel and new flood defences, to move flood water away from developed areas and reduce flood risk.

1.2 Scheme Objectives

The purpose of the Scheme is to reduce the flood risk to Oxford over the next 100 years, reducing the frequency of flooding by improving the flow conveyance past the city. The Scheme addresses flooding from the main channel of the River Thames and floodplain north of Oxford, and from the Hinksey, Seacourt and Bulstake Streams.

1.3 The Need for a Contaminated Land Assessment

Although most of the Scheme area is greenfield, there are some sections of the new channel towards the south of the Scheme that will pass through former landfill. There are also a few potential sources of contamination adjacent to the route. Contamination was identified as topic for the Environmental Impact Assessment for the Scheme; and local authority consultation responses are provided below.

1.4 Consultation Responses

Oxfordshire County Council (OCC) provided the scoping opinion response (below), and appended comments from Oxford City Council (further on). Vale of White Horse (VOWH) district council stated they were satisfied with the scope.

1.4.1 Oxfordshire County Council Scoping Opinion Response

"Please see the advice of Oxford City Council and Public Health England set out in Annex 2.

Details of any hazardous contamination present on site (including ground gas) should be provided. Emissions to and from the ground should be considered in terms of the previous history of the site and the potential of the site, once operational, to give rise to issues.

Land contamination risk assessments should be carried out in accordance with the Environment Agency guidance 'Model Procedures for the Management of Contaminated Land' (CLR11), BS 10175 and any other relevant guidance. The risks from all relevant sources to all relevant receptors should be assessed to help determine whether any significant effects would result from this development to the environment, and inform what types of mitigation would be necessary.

Potential environmental impacts to be assessed should include:

- *effects associated with ground contamination that may already exist*
- *effects associated with the potential for polluting substances that are used (during construction / operation) to cause new ground contamination issues on a site, for example introducing / changing the source of contamination*

- *impacts associated with re-use of soils and waste soils, for example, re-use of site-sourced materials on-site or offsite, disposal of site-sourced materials offsite, importation of materials to the site.*

The largest impacts for land contamination will be associated with construction in the areas of the former landfills. The proposed scope of the Environmental Statement is focused on the former landfill that is now the Kendall Copse Community Woodland. While it is acknowledged that there are other historic landfills within the area of the Scheme, namely at Coldharbour and Redbridge Park and Ride, it is stated that these will not directly be affected by the Scheme. However, drawing A4.01.200 shows a new culvert being placed partially in the southwest part of the Redbridge Park and Ride. This would presumably have direct and potentially significant effects on the former landfill and surrounding environment, and therefore should be assessed.

There is another former landfill not mentioned in the document which is east of Redbridge Park and Ride, called Rivermead. The Scheme overview in Figure 1 shows the footprint running adjacent to this former landfill. Any potential effects on this former landfill and surrounding environment as a result of the Scheme should be assessed.

The Scoping Opinion request states that land contamination is proposed to be included in the Environmental Statement for the construction phase but is considered not significant for the operational phase. As the former landfill areas are to be significantly engineered in the development of this Scheme, maintenance and monitoring may be required to ensure there are no breaches of leachate to the new channel or surrounding environment.

It is stated that no soil sampling will be undertaken for the Environmental Impact Assessment, but some will be undertaken after the planning application to test what precautions will be needed to prevent pollution and to determine the waste classification of excavated materials. Some soil sampling has already been carried out in the Kendall Copse former landfill for this Scheme which would be helpful to inform the assessment of potentially significant effects from this development.

There are two other potential developments which may have cumulative effects on this Scheme which should be assessed: A proposal for an expansion of the Seacourt Park and Ride and a proposal for a waste recycling centre to be built on the Kendall Copse former landfill".

In respect of the potential options for Old Abingdon Road; route 1 which involves the channel swinging out to the west and crossing Old Abingdon Road via new culverts would impact on the former Kennington Road West and East landfills. Should this be identified as the preferred option the applicant will need to ensure that any associated risks of pollution incidents are managed as well as the potential for creating potential pollution pathways. The applicant should demonstrate how any associated risks will be managed within the Land Contamination Assessment provided as part of the Environmental Statement."

1.4.2 Oxford City Council Scoping Response

"1. Required Documents: It would be useful to have the mapping information in the form of GIS shapefile layers that could be uploaded onto the Land Quality GIS system. I would make it easier then to cross-reference against known areas of potentially contaminated land, such as former landfill sites.

2. I am not aware of any other planning applications, other than the Seacourt P&R expansion Scheme which may impact on the OFAS proposals.

3. Area North of Botley Road. Other than the Seacourt Park and Ride site, which may present a limited potential contamination risk, I am not aware of any other potentially contaminated sites in the vicinity of Botley Road that may be intercepted or affected by the OFAS proposals near Botley Road.

4. Old Abingdon Road. There are several locations south of Old Abingdon Road (Area 4 South plan) where the OFAS proposals appear to interfere with existing landfill and made ground deposits which are likely to be contaminated. This includes the former Abingdon Road Landfill site. A phased investigation and risk assessment would therefore need to be carried out to determine impacts to the watercourse and other nearby receptors from disturbance of the filled ground. Appropriate mitigation would then be required to prevent any significant harm being caused to these receptors in the short, medium and longer term. This would be secured through the inclusion of appropriate planning conditions on any permission granted.

5. Other potentially contaminated sites. The tilting weir proposal at Eastwyke ditch in Area 3 may impact an area of filled ground. As with the Abingdon Road proposals, there would be a planning requirement to carry out appropriate works to investigate potential contamination risks and mitigate any significant risks as necessary.

6. Planning Conditions. As stated in 4 above, any potential land and water contamination risks from the OFAS proposals would normally be dealt with through the addition of planning conditions to secure safe development and to prevent any residual liability falling on Oxford City Council, should pollution or contamination issues occur in the future as a result of the development".

1.5 Available Information

The key information considered in the preparation of this document is listed below.

Table 1- Key Sources of information for this Assessment

Document Title/Investigation	**Author/Date**	**Referred to in this document as:**
Oxford Flood Risk Management Strategy, Final Factual Report on Ground Investigation	Fugro (August 2008)	2008 Ground Investigation
Oxford FAS for PAR – Ground Investigation, Issue 4	WYG (January 2016)	2015 Ground Investigation
Oxford Flood Alleviations Scheme, Detailed Design – Ground Investigation Factual Report	WYG (January 2018)	2017 Ground Investigation
Archaeological Trial Trench Excavations	WYG 2017	2017 Archaeological Investigation

1.6 Limitations

The assessment is based on the available design for the Scheme submitted with the Environmental Statements and on the stated ground investigation and other information used in this study.

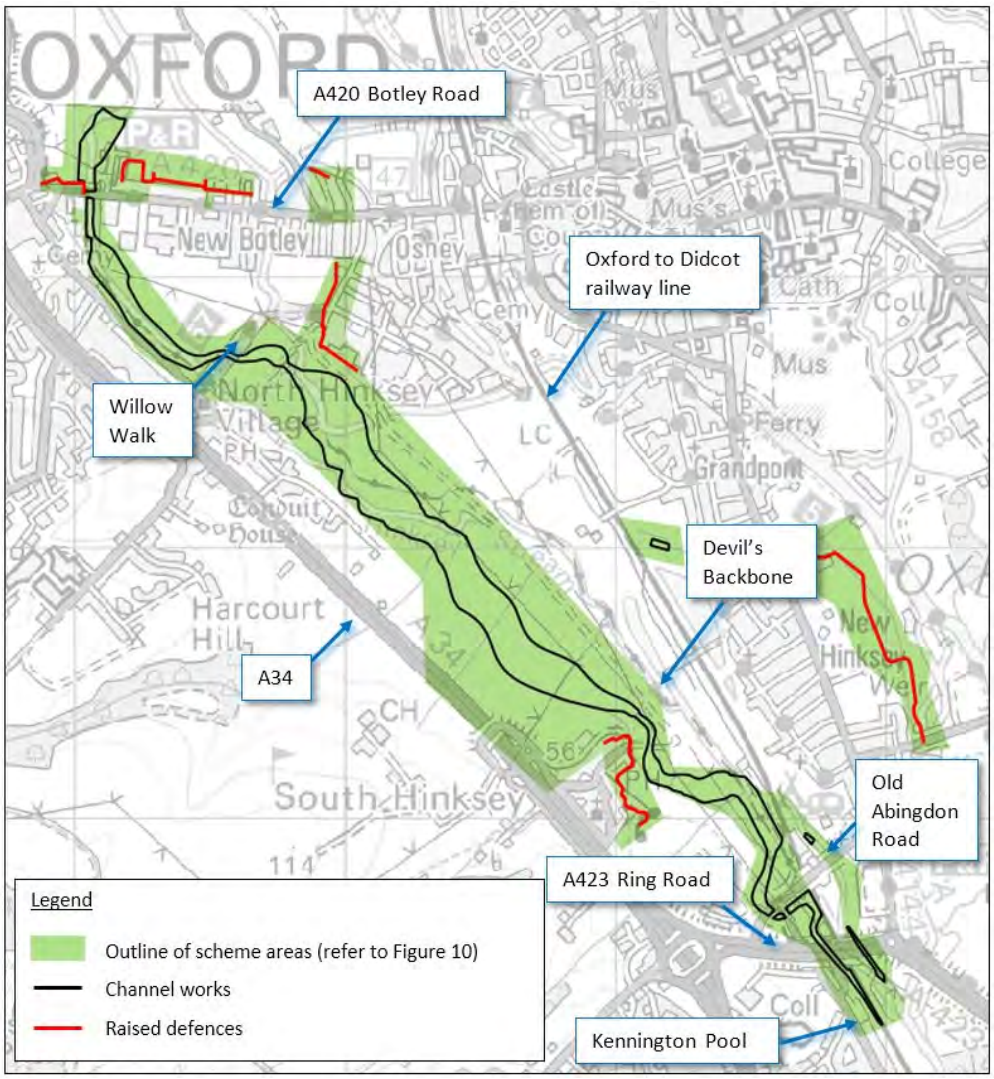
SECTION 2

Scheme Description

2.1 Development location and description

The Scheme boundary incorporates areas of land to the west/south of the city as shown on Figure 1. It extends from north of the A420 Botley Road to south of the A423 ring road, running predominantly between the A34 to the west and the Oxford to Didcot railway line to the east. The boundary comprises all the permanent Scheme works and temporary working areas required for construction of the Scheme.

Figure 1- Scheme Location



The footprint of the main Scheme lies predominantly within flood meadows and agricultural grazing land but also passes through areas of high conservation value, domestic gardens, allotments and access tracks. Within the Scheme area, tributaries of the River Thames, namely Seacourt Stream, Bulstake Stream and Hinksey Stream, flow through the city's residential, industrial and commercial areas, as well as through meadows and farmland. The proposed works will directly connect with and modify these tributaries at various points within the Scheme area.

2.2 Scheme components

The Scheme will comprise of the following key elements:

- Construction of a new two-stage channel running from Botley Road/West Way south-easterly to downstream of the A423 (southern ring road). For the main part, this will be approximately parallel to the A34 to its west and the railway to its east. The new channel will carry excess flow from the Seacourt Stream, Bulstake Stream and Hinksey Stream with the aim of reducing the water level in the main River Thames, so reducing the frequency of flooding in built-up areas.

It will comprise two stages: -

- A First stage channel, which will carry water flowing all the time; and
- A Second (or 'two-stage') channel, which will be dry for most of the time, and will fill during flood flows, along with the surrounding existing floodplain.

It will also include:

- New flood embankments and walls will defend houses, which would otherwise continue to flood even with the reduced river levels; and
- New culverts and bridges.
- Channel clearance
- Channel widening.

The Scheme has been sub-divided into areas for the design development, as shown on Figure 2. The activities in each area are summarised in Table 2.

2.3 Temporary Works Areas

There are several temporary works areas and access roads associated with the Scheme. Of relevance to this report are two former landfills sites (Rivermead and Cold Harbour landfill) that will be used as temporary works compounds for storage of materials produced during channel clearance. The location of these is shown in Figure 5 later in this report.

Figure 2 - Overview of Scheme Design Areas

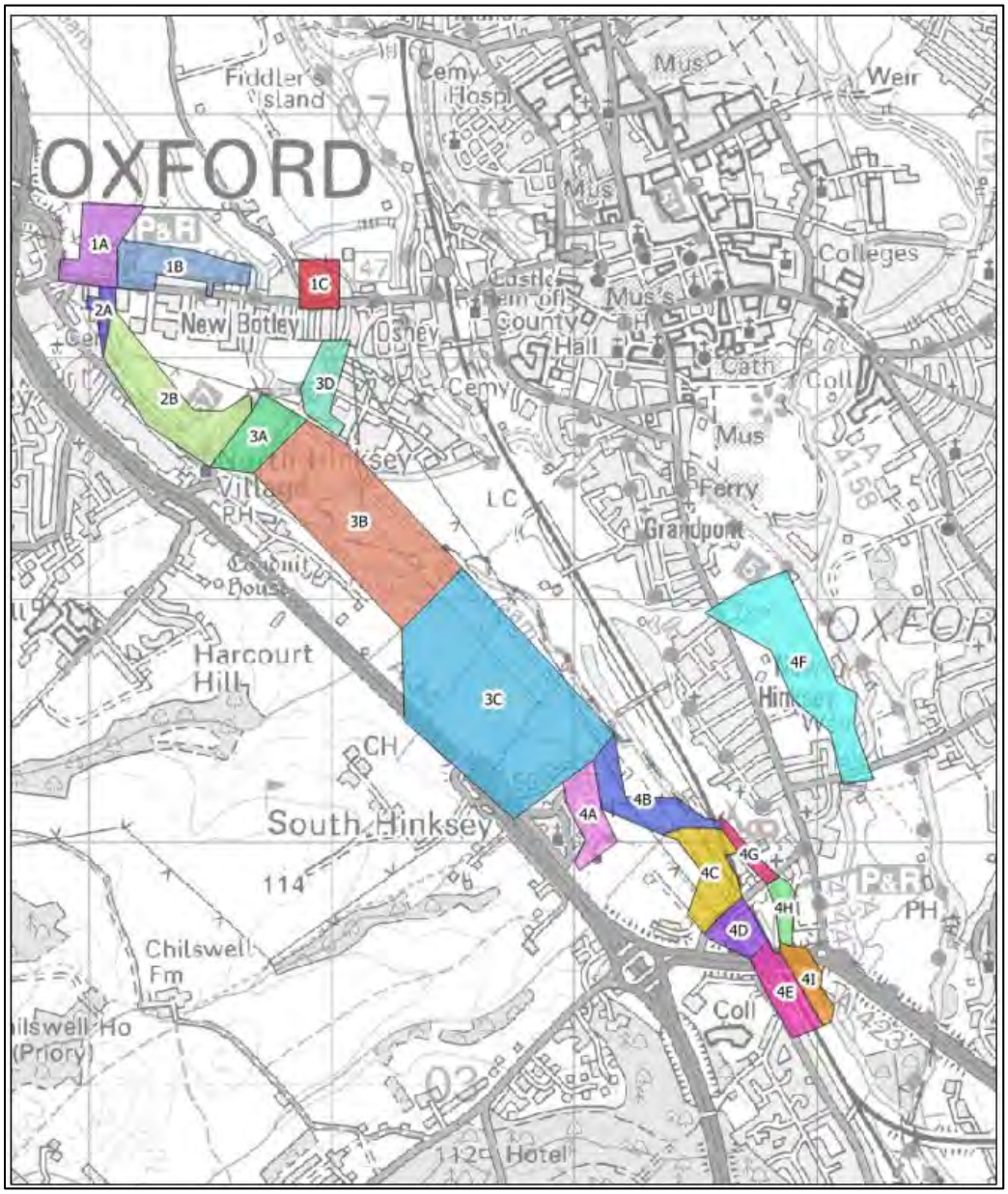


Table 2: Summary of permanent elements of the Scheme by Area

Area	Key features	
1A	Seacourt Stream and defences to the west	• 2-stage channel on Seacourt Stream. • Full clearance of Botley Road Bridge. • Embankment upstream of Botley Road on right bank.
1B	Raised defences to the east of Seacourt Stream	• Flood Embankment adjacent to Park and Ride and properties u/s Botley Road.
1C	Flood Gates at Henry and Helen Road	• Embankment adjacent to Park and Ride and properties u/s Botley Road. • Low level defence at Allotment entrance.
2A	Downstream of Botley Bridge to spillway	• Channel widening of left bank, with 1 in 3 slopes. • New Bridge at Minn's Estate, • Channel widening of left bank, with 1 in 3 slopes.
2B	Spillway to Willow Walk	• Spillway to new channel across access track. • New channel (will be dry under normal flow conditions). • New Bridge under Willow Walk. • Existing pipe culverts under Willow Walk removed.
3A	Willow Walk to Monks Causeway	• New channel between Willow Walk and Monks Causeway. • New access Bridge.
3B	Monks Causeway to bifurcation from Hinksey Stream	• 4 low flow weirs. • In-line weir on Bulstake Stream to Thames • New Bridge. • New 2 stage channels with pools/riffles. • In-line weir to Hinksey Stream, crest level 54.78 mAOD).
3C	Hinksey Stream bifurcation to Devils Backbone	• New 2 stage channels with pools/riffles. • New ford crossing. • New Bridge at Devils Backbone.
3D	Raised Defences at Ferry Hinksey Road	• Embankment/wall adjacent to Ferry Hinksey Road.
3E	Eastwyke Ditch	• New control structure
4A	Raised Defences at South Hinksey	• Embankment/wall adjacent South Hinksey. • Low level defence to prevent 100-year flooding around the edge of the raised defence.
4B	Devils Backbone to Hinksey Stream at Cold Harbour Railway Crossing	• New 2 stage channels with pools/riffles. • New Weir at the end of the existing pond to maintain normal/low flow conditions. Crest level 54.45 mAOD
4C	Hinksey Stream at Cold Harbour Railway Crossing to new bridge at Old Abingdon Road	• New channel. • New Weir to ensure low flow remain in Hinksey Stream • Low level defence to prevent 100-year flooding via the Network rail access track.
4D	New bridge at Old Abingdon Road to A423	• New channels and widening from Old Abingdon Road to new bypass culvert channel. • New Bridges at Old Abingdon Road and Kennington Road.
4E	A423 to Mundays Bridge, including new west side culvert under A423	• New channels and widening from Old Abingdon Road to new bypass culvert channel. • New Bridges at Old Abingdon Road and Kennington Road. • New culvert under A423. • Re-profile of existing channel S of new culvert to Mundays Bridge • Clearance of Mundays Bridge.
4F	Raised Defences at New Hinksey	• Embankment and flood walls.
4G	Towles Mill	• Removal of existing weir
4H	New east side culvert under A423	• New culvert under A423.

Scheme Environmental Setting

3.1 Geology and Hydrogeology

The most significant aquifer beneath the study area are the River Terrace Deposits, which occur beneath the contemporary floodplain, with Terraces capping the ground beneath the city centre. In most parts of the study area, this aquifer is capped by Alluvium (including Organic Alluvium deposits), which due to its limited permeability, partially disconnects the aquifer from surface activities and vice versa. These together are designated as a Secondary 'A' aquifer. Beneath the River Terrace Deposits is the Oxford Clay, which is designated 'unproductive' and is nearly impermeable.

The geology beneath the Scheme area relevant to this report is summarized in Table 3 below, together with inferred hydrogeological properties. A few areas of the site have significant deposits of Made Ground, several areas of old gravel pits that have been infilled; and the A423 road embankment. These are described in more detail further on.

Table 3 Hydrogeological properties of natural formations in study area

Formation	Composition	Typical thickness	Aquifer Classification	Expected Permeability	Comment
Alluvium	Silty clays and silts, organic rich in parts with some peat horizons	0-3 m	Secondary B Aquifer	Medium to Low	Likely to restrict/prevent groundwater movement between surface and River Terrace Deposits aquifer where thick
River Terrace Deposits	Coarse gravels with some silt/sand	2-5 m		Very High	Well connected to surface water in places.
West Walton Formation/Oxford Clay(1)	Heavily over-consolidated clay	>20 m	Non-aquifer	Very Low	Non-aquifer

Notes

(1) BGS mapping shows bedrock of West Walton Formation and Oxford Clay to crop in the Scheme area. Stratigraphically the West Walton Formation overlies the Oxford Clay. The two deposits are, however, very similar in terms of their nature and engineering properties and are distinguished only by fossil content and have not been accurately identified on the exploratory hole records. Given that the two strata are very similar and not easily distinguishable for this report the general convention of using the term Oxford Clay has been maintained.

There are no source protection zones in the study area and no records of licensed groundwater abstractions in the 2008 desk study (BBV, 2008). The key environmental significance of groundwater in the study area is to support surface water baseflow; and to provide resource to local water-dependent features and ecosystems.

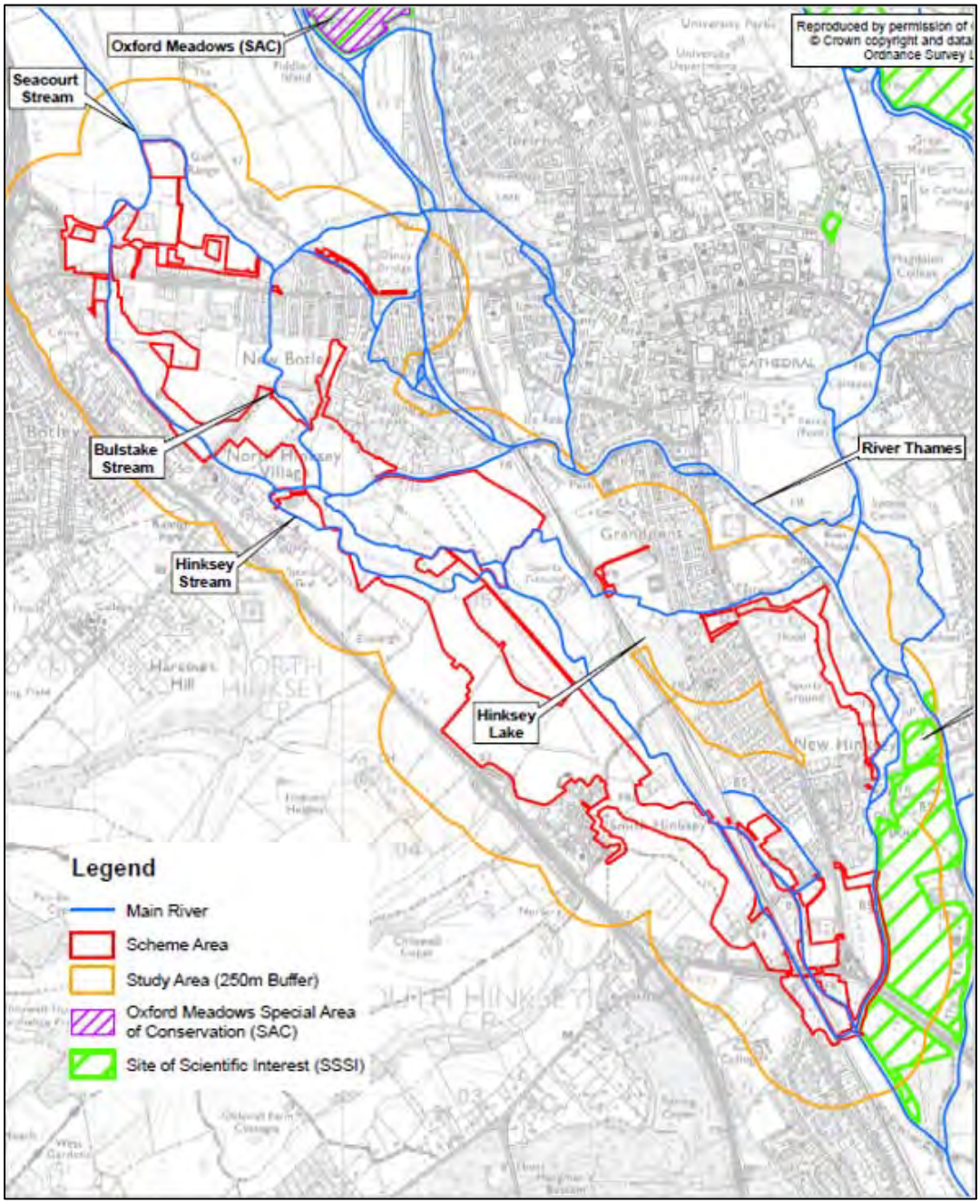
Groundwater levels in the River Terrace Deposits aquifer have been both measured as shown in Figure 3; and modelled (ESI, 2018). Near the Scheme, the groundwater levels in the aquifer are typically shallow (i.e. within a few metres of ground level and/or artesian at times) and the aquifer is highly permeable. The broad flow direction is typically SE, parallel to the River Thames, but level measurements taken in 2017 indicate some anomalies. For example, there appears to be a local depression in the groundwater table around the south end of the Scheme, inferring that groundwater may flow westwards or north-westwards in this locality

Figure 3 - Groundwater levels in summer 2017 (ESI, 2018)

3.2 Hydrology

The Scheme lies close to and within the catchment of the River Thames. The surface water channel network through the Scheme area broadly drains from north-west to south-east. Most of the Scheme works will take place in the floodplain grassland to the south-west of the city. In this area, there are several channels splitting from and re-joining the main Thames channel, including: the Seacourt Stream; Hinksey Stream; and the Bulstake Stream, as shown in Figure 4. The active floodplain area is also drained by several land/field drains. Key surface water features near the Scheme are shown in Figure 4.

Figure 4 - Surface Water Features near Scheme



A small number of permanent lakes/ponds separate to the surface water channels are visible in the study area on 1:50 000 mapping, these are:

- Hinksey Pools SLINC: a 700m-long pond occupying a flooded gravel pit.
- Three small ponds adjacent to the railway line, centred at NGR 450770 205450.
- A small pond near South Hinksey at NGR 451100 204050.
- Kennington Pit within Kennington Pool LWS at NGR 451800 203400.

There are no downstream abstractions from surface water in the study area. There are several consented surface water discharges from the urban area; combined sewer overflows (CSO), as well as road drains.

The most significant designated water-dependent ecosystems in the study area are the Oxford Meadows SAC and Iffley Meadows SSSI, to the north and east of the Scheme respectively. There are also several local wildlife sites within the Scheme boundary (shown on Figure 8.1 of the Environmental Statement and described in more detail in Chapter 8 'Flora and Fauna' of the Environmental Statement), that could have some connection to surface water (via periodic flood inundation) and/or groundwater dependence:

- Near North Hinksey/Botley Road:
  - Osney Mead (Botley Meadow) LWS;
  - Willow Walk Meadow LWS;
- Hinksey Pools (described previously) SLINC;
- Kennington Pool LWS.

Several extended sections of the channels that pass through the route are designated as SLINCs, with habitats dependent on surface water flow regimes and quality; and potentially with a link to groundwater as well, where in good continuity with the underlying River Terrace Deposits aquifer.

3.3 Current and Historic Land-use

Information on current and historic land-uses that may act as sources of ground contamination within or close to the Scheme area has been derived from a Contaminated Land desk study prepared for the Environment Agency (BBV, 2008), and recently updated (CH2M, in prep.). These are summarized in Table 4, together with a summary of the most sensitive receptors in the vicinity.

Table 4 – Current and Historic Land-use with respect to Scheme elements

Design Area	Area Description	Current Land-use	Typical Historic Land-use beneath area	Notable potential current/historic land-uses in vicinity
1A	Seacourt Stream and defences to the west	Scrub (one residential property adj. to Botley Rd.)	Predominantly greenfield	Former Petrol station c. 200 m to NE, Various works and depots, c. 100 m to SW, garage c. 100 m to SE.
1B	Raised defences to the east of Seacourt Stream	Scrub (W)/ Allotments (E)	Predominantly greenfield/allotments	Garages c. 50 m to the W; and 100 m to SW; Various works to the south of Botley Rd.
1C	Flood Gates at Henry and Helen Road	Residential area	Residential road/channel (Osney Ditch)	Printing works/electronics works/Laundry adj. to N end Helen Rd. Factory 100 m to SW (now flats)
2A	Downstream of Botley Bridge to spillway	Scrub (incl. footpath), with offices/car park on W bank of stream	Depot to the W of stream, otherwise channel	Several historic commercial properties in Botley Rd. area; including a garage c. 50 m to E; Road runoff from Botley Rd.
2B	Spillway to Willow Walk	Stream and meadows	Predominantly greenfield	Cemetery to the W
3A	Willow Walk to Monks Causeway	Stream and meadows	Predominantly greenfield	None identified to date

Design Area	Area Description	Current Land-use	Typical Historic Land-use beneath area	Notable potential current/historic land-uses in vicinity
3B	Monks Causeway to bifurcation from Hinksey Stream	Stream and meadows	Predominantly greenfield	Osney industrial estate to north
3C	Hinksey Stream bifurcation to Devils Backbone	Stream and meadows	Predominantly greenfield	None identified to date
3D	Raised Defences at Ferry Hinksey Road	Stream and meadows	Demolished building (mill?) adjacent to stream	Osney Industrial estate adjacent to north east; road drainage
3E	Eastwyke Ditch	Scrub	Scrub	Railway line c. 50 m to E. Grandpont landfill adjacent to north
4A	Raised Defences at South Hinksey	Meadow	Predominantly greenfield. Two small demolished buildings pre-1940 may be along the line of the flood wall	Farm c. 100 m to north
4B	Devils Backbone to Hinksey Stream at Cold Harbour Railway Crossing	Meadow	Predominantly greenfield	Overhead line to underground compound to North East; Railway and sidings to north east
4C	Hinksey Stream at Cold Harbour Railway Crossing to new bridge at Old Abingdon Road	Meadow	Predominantly greenfield	Kennington Landfills to the south east; Railway Line to north east; Coldharbour landfill c. 100 m to north east
4D	New bridge at Old Abingdon Road to A423	Scrub (public nature park)	Landfill areas (Kennington Road E and Kennington Road W and infilled pond)	Railway line to east; and Kennington Landfill beyond that; Embankment fill
4E	A423 to Mundays Bridge, including new west side culvert under A423	Dual carriageway embankment, with scrub, stream and pond to North	Partly Infilled pond South of A423	Kennington Rd and Redbridge landfills to north/ north east
4F	Raised Defences at New Hinksey	Meadow	Predominantly greenfield	Jackdaw landfills on eastern bank of Thames (but c. 200 m distant).
4H	New east side culvert under A423	Park and ride; and A423 road embankment	Redbridge landfill; A423 embankment fill; partially infilled pond to South of A423	Kennington landfills; Road runoff from A423

3.4 Key current/ historic land-uses with contaminative potential

The key specific areas of higher contamination potential within the Scheme boundary are shown in Figure 5 and include:

- 3 no. Closed mixed-waste lined landfills adjacent to Old Abingdon Road; that are directly beneath the footprint of the permanent Scheme works (Kennington West, Kennington East and

Redbridge). Sections of these landfills will need to be excavated during construction of new channels/culverts;

- 2 no. Closed mixed waste landfills also in the Old Abingdon Road area (Coldharbour Campsite and Rivermead). These will lie within the footprint of the Scheme temporary works area, and the Coldharbour site may be used for storage of excavated soil stockpiles;
- 1 no. Closed mixed waste landfill at Grandpont. This lies beneath a temporary access route for installation of the stream weir control structure at Eastwyke, which will be sited just to the south of the landfill.
- An infilled area beneath and adjacent to the of the A423 Southern bypass, as well as fill in the 5-10m approx high road embankment itself. Two new culverts will be installed under the A423 through this material.

Areas of potential historic soil contamination within 100 m, but outside the footprint of the Scheme are also shown on Figure 5 and include:

- The industrial estate at Osney Island, which borders the Scheme, currently comprised of commercial/light industrial buildings;
- Historical commercial properties/light industry around Botley Road;
- The railway line, incl. sidings nr. Hinksey lake; and
- The overhead line transformer compound, to the east of South Hinksey.

As these are outside of the Scheme area, these are only likely to be potentially significant as a source of groundwater contamination, which might then migrate into soils beneath the Scheme.

3.5 Former Landfills

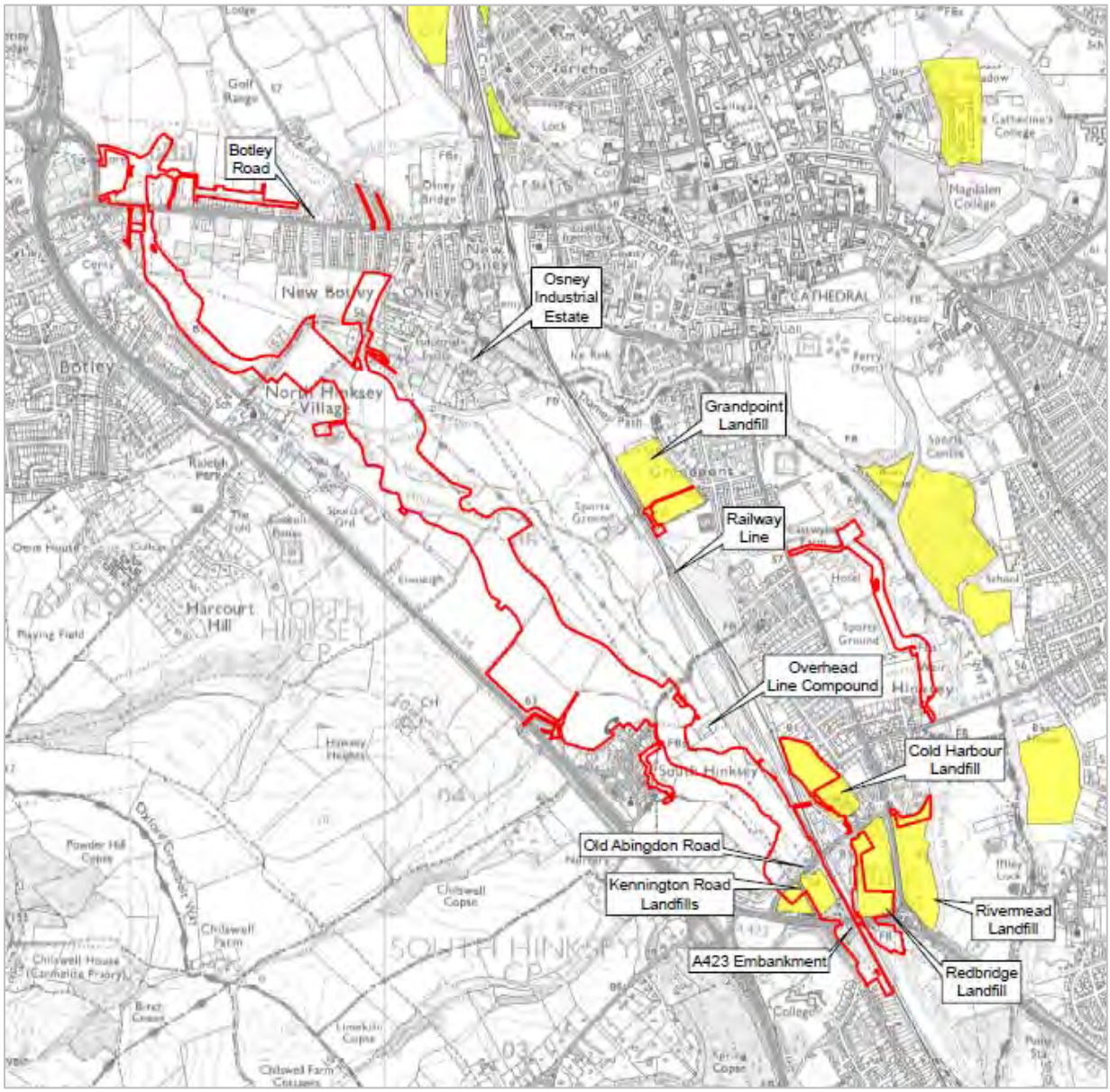
Desk-study information on the closed landfills is summarized below.

Table 5 – Landfills near the Scheme

Site	Licence Holder	Types of waste received	Date closed
Kennington Road West	Oxford City Council	Inert, Industrial, Commercial and Household Waste, and Liquid Sludge	1975
Kennington Road East	Oxford City Council and VOWH District Council	Inert, Industrial, Commercial and Household Waste, and Liquid Sludge	1975
Coldharbour	Oxford City Council	Inert, Industrial, Commercial and Household Waste, and Liquid Sludge	Not confirmed
Redbridge	Oxfordshire County Council	Inert, Industrial, Commercial and Household Waste, and Liquid Sludge	1971
Grandpont	Oxford City Council and Oxfordshire County Council	Inert and Special Waste	1977
Rivermead	Oxford City Council	Inert, Industrial, Commercial and Household Waste, and Liquid Sludge	1972

Ground investigation information for Redbridge, Kennington and Coldharbour (described further on) indicate that the waste is typically relatively thin (i.e. a few metres thick); and sits on a clayey layer that overlies the underlying River Terrace Deposits, although it is not clear if the clayey material is entirely continuous/impermeable. It is assumed these sites do not have active leachate/gas management, given their age.

Figure 5 – Key potential contaminative Historic/current land-uses near the Scheme



3.6 Local Receptors

In terms of local sensitive human-health receptors, most of the permanent Scheme passes through publicly-accessible open space, and some sections are adjacent to residential/commercial areas. These include short sections of the Scheme near North Hinksey, South Hinksey, Osney Island, Botley Road and the Old Abingdon Road area. The Old Abingdon Road area is the only area with residential properties close to any of the key contamination sources mentioned above. Controlled water receptors include the River Terrace Deposits/Alluvium aquifers beneath the whole stream area, as well as the specific surface water or groundwater dependent ecosystems in/close to the site. These are shown in the Table 6.

Table 6 – Potential Contamination Receptors in/adjacent to Design Areas.

Design Area	Area Description	Current Land-use	Notable human receptors in vicinity	Controlled waters receptors specific to locality
1A	Seacourt Stream and defences to the west	Scrub (one house adj. to Botley Rd.)	Commercial property users nr. Botley Road.	Hinksey Stream
1B	Raised defences to the east of Seacourt Stream	Scrub (W)/ Allotments (E)	Adjacent residents/ commercial property users on Botley Road. to South	Bulstake Stream/ Hinksey Stream
1C	Flood Gates at Henry and Helen Road	Residential area	Adjacent residential properties	Osney Ditch
2A	Downstream of Botley Bridge to spillway	Scrub (incl. footpath), with offices/car park on W bank of stream	Adjacent commercial property workers	Hinksey Stream
2B	Spillway to Willow Walk	Stream and meadows	Residential properties in North Hinksey to West	Hinksey Stream. MG4 Grassland
3A	Willow Walk to Monks Causeway	Stream and meadows	North Hinksey village to South West	Hinksey Stream
3B	Monks Causeway to bifurcation from Hinksey Stream	Stream and meadows	North Hinksey village to South West	Bulstake Stream/ Hinksey Stream
3C	Hinksey Stream bifurcation to Devils Backbone	Stream and meadows	Public open space users/farmers	Bulstake Stream/ Hinksey Stream/Hinksey Pools LWS
3D	Raised Defences at Ferry Hinksey Road	Stream and meadows	Adjacent commercial property workers	Stream adjacent to Ferry Hinksey
3E	Eastwyke Ditch	Scrub	Adjacent residential properties in New Botley	Eastwyke Ditch
4A	Raised Defences at South Hinksey	Meadow	Adjacent residential properties in South Hinksey	Chilswell stream and various unnamed channels
4B	Devils Backbone to Hinksey Stream at Cold Harbour Railway Crossing	Meadow	Public open space users/farmers	Hinksey Stream and Hinksey Pools
4C	Cold Harbour Railway Crossing to new bridge at Old Abingdon Road	Meadow	Public open space users/farmers	Hinksey Stream
4D	New bridge at Old Abingdon Road to A423	Scrub (public nature park)	Residential properties c. 100 m to W, commercial / Open space users	Unnamed channels in Kendall Copse; Hinksey Stream
4E	A423 to Mundays Bridge, including new west side culvert under A423	Dual carriageway embankment, with scrub, stream and pond.	Residential properties in Kennington	Hinksey Stream and Drain, Kennington Pool; R. Thames
4F	Raised Defences at New Hinksey	Meadow	Open space users and hotel users	River Thames; local field drains.
4H	New east side culvert under A423	Park and ride; and A423 road embankment		Hinksey Stream, Channel, Kennington Pool; River Thames

Contamination Assessment Methodology

4.1 Scheme Contamination Assessment Areas

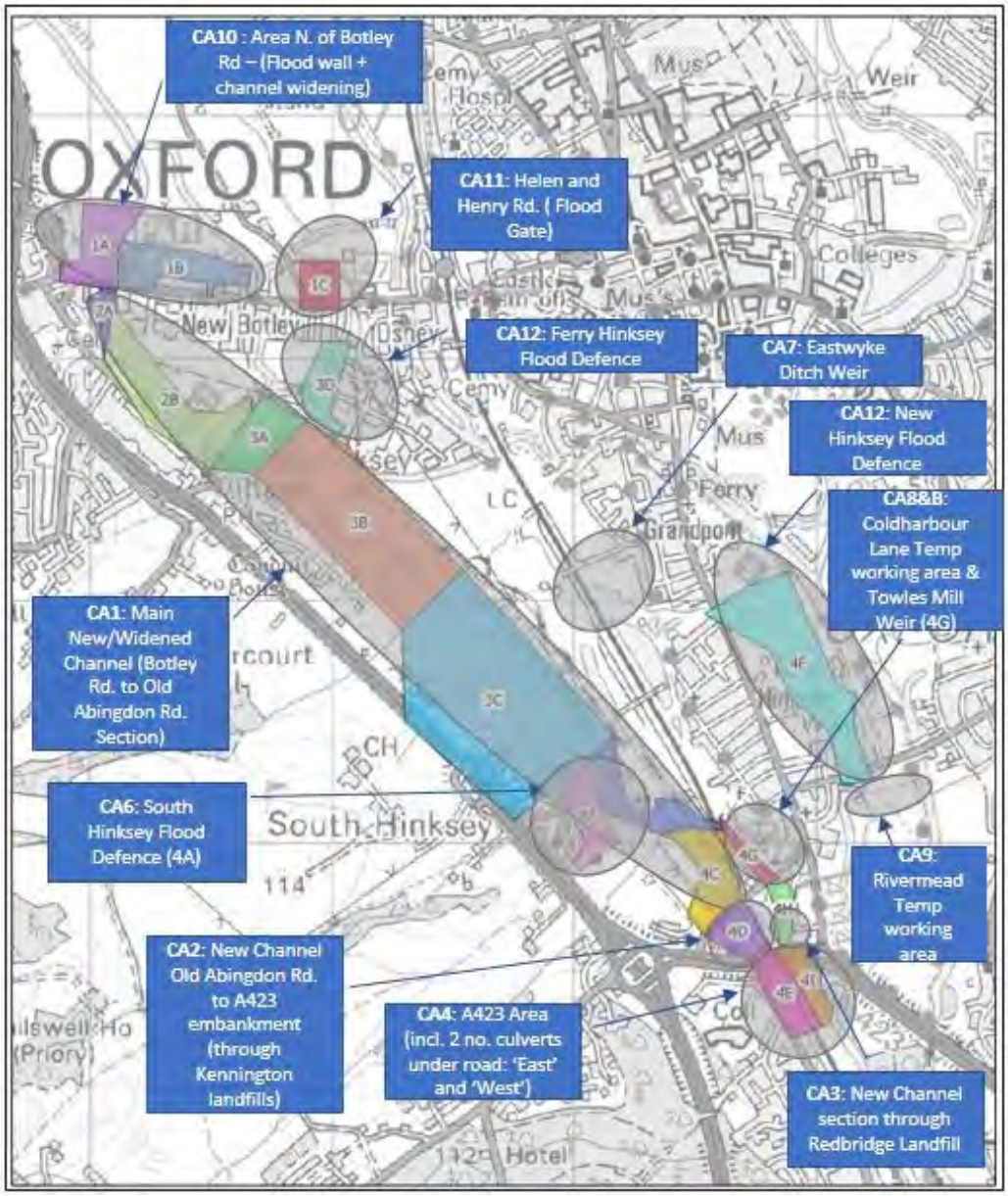
The ground investigation information and ground contamination risks associated with the Scheme have grouped into specific areas; where there are significant similarities in terms of contamination risks (as identified in the previous chapter); and the type of works proposed in each area.

These are listed in Table 7 and are shown on Figure 6. The ground investigation information for each area is described in the following chapters, except for Helen Road and Henry Road floodgates, where no exploratory holes were sunk in the 2008, 2015 and 2017 Ground Investigations.

Table 7 - Assessment Areas for the review of contamination risks.

Assessment Area Ref	Description/Title	Relevant Scheme Area(s)
CA1	Main Channel (Botley Road to Old Abingdon Road)	2A, 2B, 3B, 3C, 4C
CA2	Kennington Road Landfills	4D
CA3	New culvert through Redbridge Landfill	4H
CA4	A423 Culverts Area	4E,4I
CA5	New Hinksey Flood Defence	4F
CA6	South Hinksey Flood Defence	4A
CA7	Eastwyke Ditch Weir	n/a
CA8A	Towles Mill Weir	4G
CA8B	Coldharbour Lane landfill	4G & Temporary Working area
CA9	Rivermead Landfill	Temporary Working area
CA10	Area North of Botley Road	1A, 1B
CA11	Helen and Henry Road Flood Gates	1C
CA12	Ferry Hinksey Flood Defence	3D

Figure 6- Sub-division of Scheme for Contamination Assessment

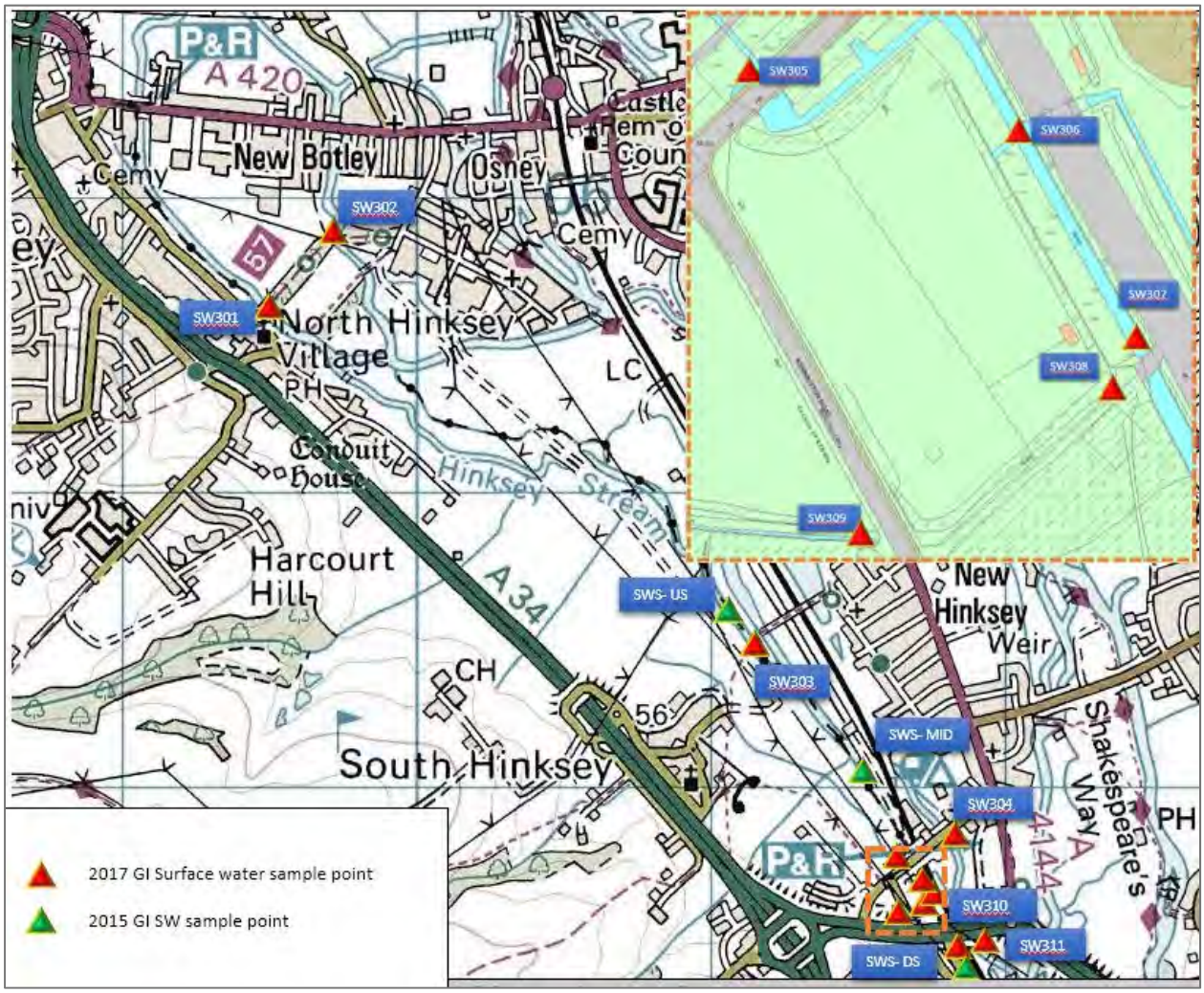


4.2 Sample Locations

Exploratory hole location plans are included in Appendix E.

Surface water sampling points are shown on Figure 7.

Figure 7 - Surface Water Sample Locations (2015 and 2017 Ground Investigations)



4.3 Screening process

4.3.1 Soil Solids

To assess the potential risk of harm to human health, the results of chemical testing of soil samples have initially been compared to published criteria, depending on the contaminant under consideration, e.g.:

- the LQM/CIEH "Suitable for Use Levels" (S4UL) for Human Health Risk Assessment, LQM, 2015, licence number S4UL 3168). The S4UL represent levels which are considered safe for a given land use. The "Public open space not near residential" is considered to represent the most appropriate exposure scenario for the in-situ material. Scheme

- Lead concentrations have been compared to the C4SL for Public Open Space (SP1010 – Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination, Contaminated Land: Applications in Real Environments - CL: AIRE (2014).
- Polychlorinated biphenyls (PCBs) were detected in some samples; the results have been compared to the Contaminated Land Exposure Assessment (CLEA) Soil Guideline Values (SGV) for PCB (Environment Agency, September 2009).

These screening value are considered appropriate within the proposed flood defences; further assessment will be required for any re-use of soils in a different setting.

Samples were tested for the presence of asbestos. Where asbestos was identified, the asbestos type and its nature were established, and then quantified.

4.3.2 Soil Leachate Extraction

Soil leachates tests were prepared from representative soil samples, to provide an assessment of the propensity of soils to leach potential contaminants to the aquatic environment. The screening values used are described in 4.3.3 below.

4.3.3 Groundwater and Surface Water

Groundwater and surface water results have been subject to an initial screen to provide a preliminary indication of the scale of pollution, if any of the waters. The screening values are based on EQS (where available) or UK drinking water standards. Trace organics have been screened for detection in the first instance. EQS values for some metals are based on bio-availability; the lower (more conservative) bioavailability value has been used in the first instance.

It should be noted that surface water results are only a snapshot and higher baseline concentrations could occur after heavy rainfall events, due to runoff from both the local and upstream catchments.

4.3.4 Gas

Soil gas results have been assessed in accordance with the guidance provided in CIRIA Report 665. It is recognised that this publication is aimed at assessing the effects of ground gases upon buildings (and humans within these buildings), and is therefore may be over-conservative for the structures being proposed.

Ground Investigation Information: CA1 (Main Channel, Botley Road to Old Abingdon Road)

5.1 Ground Conditions

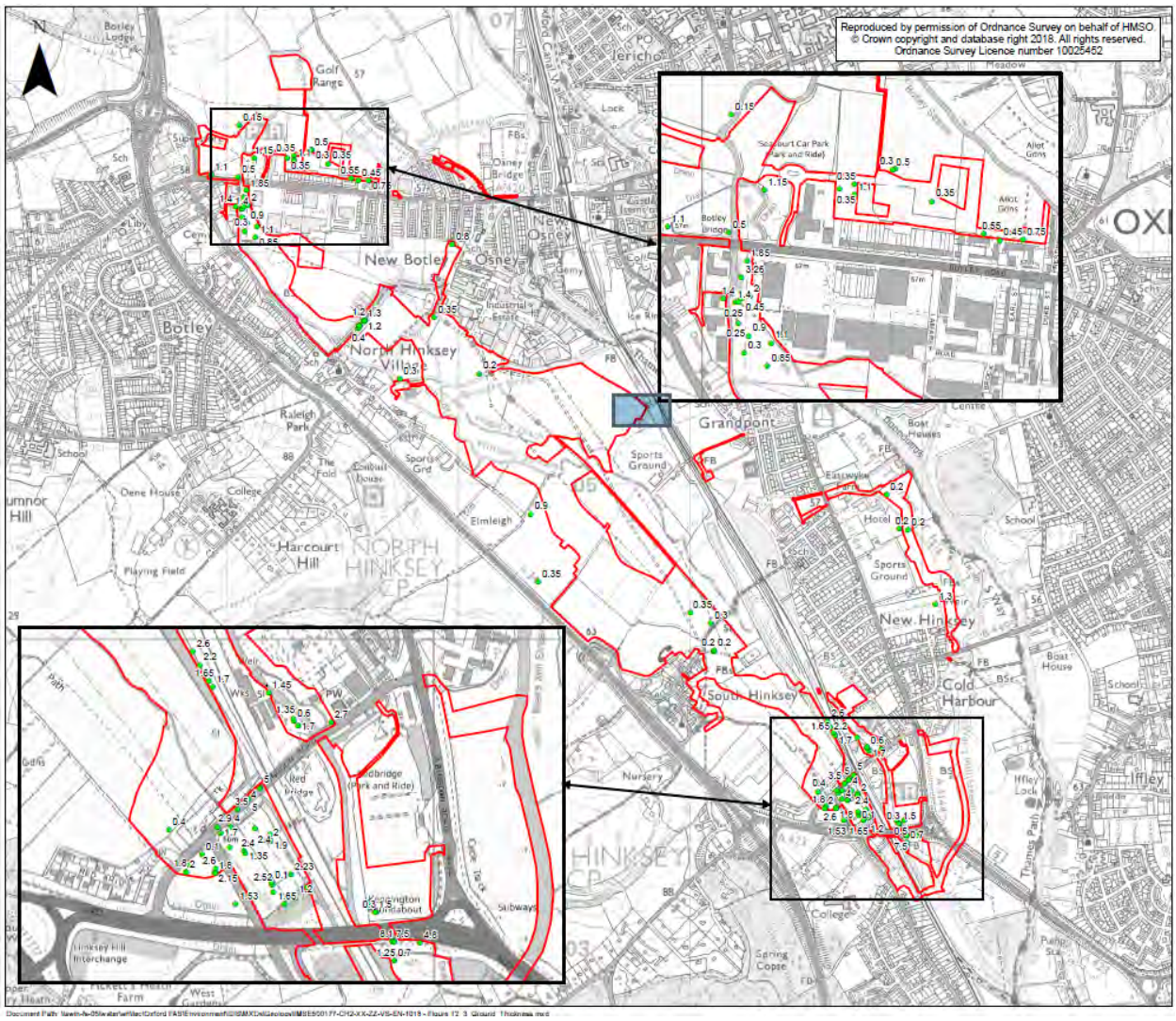
The general ground conditions consist of:

- Topsoil (0.1-0.6m thick)
- Made Ground (Typically less than 1m thick)
- Alluvium (0.1-4.0m thick)
- River Terrace Deposits (0.5-5.6m thick)
- Oxford Clay

Deposits of Made Ground were encountered in localised pockets near the ground surface around the site, predominantly near Botley Road and adjacent to the Railway Line near Old Abingdon Road. The thickness of Made Ground (where encountered) during the 2017 Ground Investigation is shown in Figure 8 overleaf.

Generally, the Made Ground deposits were very thin and comprised of reworked alluvial deposits. Though variable in composition, the Made Ground was typically described as: “Brown slightly sandy slightly gravelly silt/clay. Gravel is sub-angular to sub-rounded, fine to coarse brick, concrete, flint and occasionally shells.” There were no significant visual indications of soil contamination recorded in this area, although boreholes BH101 and BH107 recorded Made Ground that may not be suitable for re-use.

Figure 8- Thickness of encountered Made Ground deposits (2017 Ground Investigation)



5.2 Chemical Test Results

5.2.1 Soil Chemistry

The ground investigation locations where chemical testing for contamination was undertaken is summarised in Table 8.

Table 8 – CA1: Main Channel (Botley Road to Old Abingdon Road) Ground Investigation locations with chemical soil results

2017 Ground Investigation	2015 Ground Investigation	2008 Ground Investigation
BH304	TP210	BH102
BH305	TP213	BH103
BH306 OBS	TP218	BH104
BH306 PMP	TP228	BH105
BH306FF	HSA219	TPA
BH307		WSB
BH308		
TMPBH04		
TP314		
TP321		
TP327		
TP331		
TP344		
TP370		
TP370A		
WS305		

5.2.1.1 2017 Ground Investigation

There was a slight exceedance of lead reported in a sample of Made Ground at 0.15m in borehole BH304 (697mg/kg reported, compared with a screening value of 630mg/kg).

Asbestos was encountered in trial pit TP370 at a depth of 0.5m, in the form of chrysotile fibres (<0.1%). It should be noted that a further trial pit (TP370A) was subsequently excavated adjacent to trial pit TP370; asbestos was not encountered in that excavation, suggesting that the presence of asbestos may be localised.

5.2.1.2 2015 Ground Investigation

Testing was undertaken on samples of both natural material and Made Ground. There were no exceedances of the screening values.

5.2.1.3 2008 Ground Investigation

There were several elevated PAH and TPH concentrations, though not in exceedance of the adopted screening value. Testing was undertaken on samples of Alluvium and River Terrace Deposits; there were no exceedances of the adopted screening value.

5.2.1.4 2017 Archaeological Investigation

Soil samples were taken from the archaeological investigation trench ATT129 following reports of oily sheens on water in this area. This is located between exploratory holes WS322 and TP366, close to where the Hinksey Stream passes beneath the railway. Soil samples from the archaeological trench contained some detections of hydrocarbons and PAHs.

5.2.2 Soil Leachate Extraction Tests

Leachate samples were prepared from samples from the Main Channel, Botley Road to Old Abingdon Road were taken during the 2015 and 2017 Ground Investigations. The results are included in Appendix B2 and B3 respectively.

No leachate test parameters were detected over screening values in the 2015 Ground Investigation. One exceedance of lead in borehole BH304 at 0.15m depth was recorded (10 µg/l compared to the screening value of 1.2µg/l) in the 2017 Ground Investigation and several locations recorded slight exceedances of the screening values for PAHs.

5.2.3 Groundwater Chemistry

Most of groundwater samples from the Scheme 2017 Ground Investigation did not contain any significant levels of contaminants above the screening values. An exception was from some samples in the boreholes sunk just to the north of Old Abingdon Road, to the north of the former Kennington Road (East) landfill and west of the railway where some hydrocarbons, PAHS and metals were detected above levels seen elsewhere in this contamination assessment area (e.g. in borehole BH341). This pattern of groundwater contamination and potential implications for the Scheme are described in more detail in the Technical Note in Appendix G.

A similar pattern was noted in the 2015 Ground Investigation samples, although there were anomalously high levels of petroleum hydrocarbons/PAHs at exploratory hole locations WS119 and WS120 in the south of this contamination assessment area, again adjacent to the railway near Old Abingdon Road Bridge.

Hydrocarbon sheen were also seen on groundwater in one of the archaeological trial trenches (AT119) further to the north where Hinksey Stream passes beneath the railway; and when analysed, this water contained some levels of hydrocarbons and PAHs.

Overall, this suggests there may be two areas of anomalously poor-quality groundwater towards the southern part of this section: (i) north of the former Kennington Road West Landfill; and ii) close to the Hinksey Stream culvert beneath the railway line.

5.2.4 Surface Water Chemistry

Several surface water samples were taken in this area (locations shown on Figure 7), including:

- During the 2017 Ground Investigation, two sample points on the Hinksey Stream (SW301 and SW303), adjacent to Willow Walk and the Devils Backbone bridge respectively;
- Also during the 2017 Ground Investigation, one sample location (SW305) on the Hinksey Drain that passes beneath the southwest side Old Abingdon Road, just to the northwest of the former Kennington Road Landfill; and one location on the Bulstake Stream (SW302);
- During the 2015 Ground Investigation, there were two surface water sample points in area CA": "SWS-US", close to the position of SW303); and "SWS-MS", also on the Hinksey Drain, but a few hundred metres further upstream.

The screen of surface water results from the 2015 and 2017 Ground Investigations are included in Appendix D as Tables D1 and D2 respectively. It indicates that the Hinksey Stream during the sample events was generally of favourable quality for the parameters being analysed for. The only persistent exceedance of screening values was for phosphate, with occasional slight exceedances of metal screening values and detections of PAHs also occurring. The quality of the Bulstake Stream at Willow Walk was comparable to the Hinksey Stream, but there were no PAH detections during the sample events.

The samples from the Hinksey Drain to the NW of Old Abingdon Road. had a similar pattern of water quality, with the exception that there was one value of ammonium of 0.75 mg/l in 2015, slightly above the EQS of 0.6 mg/l. No ammonium exceedances were seen in the Hinksey Drain sample point closer to the former Kennington Road landfills in 2017, although most samples did contain detections of PAHs.

Ground Investigation Information: CA2 (Kennington Road Landfills)

6.1 Ground Conditions

At Kennington Road landfills the exploratory holes encountered 0.4 to 0.6m of what is described as Topsoil over 'domestic waste'. The base of the domestic waste was shown to lie at between 1.2 and 2.0m below ground level, and below this was clay (it is not clear if this residual Alluvium or an emplaced layer). Water level was shown to be between 1.5 and 1.7m bgl.

The landfill deposits were, by their nature, highly heterogeneous, but can be broadly described as comprising of gravel sized fragments of brick, concrete, plastic, fabric, paper, glass and metal in a sandy silty matrix.

Approximately 3m of River Terrace Deposits underlie the clay material at the base of the landfill, with Oxford Clay beneath this.

6.2 Chemical Test Results

6.2.1 Soil Solids Tests- Kennington Road West Landfill

The ground investigation locations where chemical testing for contamination has been undertaken within Kennington Road West Landfill are summarised in Table 9.

Table 9 - Kennington Road West Landfill Ground Investigation Locations with chemical soil results

2017 Ground Investigation	2015 Ground Investigation	2008 Ground Investigation
BH328	BH205	BH107
BH345	TP238	TPF
BH346R	TP239	
TP356	WS216	
TP359		
TP359A		

6.2.1.1 2017 Ground Investigation

There were no exceedances of the adopted screening values in any of the samples tested from Kennington Road West landfill. Several components of VOC and SVOC suites and TPH and PAH were encountered at concentrations in exceedance of the method detection limit, but not above the adopted screening value (where criterial exist). The results are included in Appendix A3.

6.2.1.2 2015 Ground Investigation

There were no exceedances of the adopted screening values in any of the samples tested from Kennington Road West landfill. The results are included in Appendix A2.

6.2.1.3 2008 Ground Investigation

A single sample was subject to testing. Lead exceeded the screening value, 6000 mg/kg compared to 630mg/kg. TPH (Aromatics >EC16-EC21) was equal to the screening value. The results are included in Appendix A1.

6.2.2 Soil Solids Tests- Kennington Road East Landfill

The ground investigation locations where chemical testing for contamination has been undertaken within Kennington Road East Landfill are summarised in Table 10.

Table 10 – Kennington Road East Landfill Ground Investigation Locations with chemical soil results

2017 Ground Investigation	2015 Ground Investigation	2008 Ground Investigation
BH326	BH208	BH109
BH329	TP240	BH110
BH330	TP241	TPG
BH332	TP242	
BH342	WS217	
BH346	WS218	
TP360		
TP360A		
TP362		
TP362A		
TP373		
TP373A		
TP374		
TP374A		
TP375		
TP375A		
TP377		
TP377		

6.2.2.1 2017 Ground Investigation

The test results (in Appendix A3) show a limited number of exceedances of the adopted screening values from the 2017 Ground Investigation, within samples from the Kennington Road East Landfill. Lead was encountered at a concentration of 2,000mg/kg within a sample of waste material from 1.1m depth in trial pit TP373A. In the same trial pit, asbestos was encountered in a sample from 1.6m, comprising loose fibres of amosite (0.001%).

Several components of VOC and SVOC suites and TPH and PAH were encountered at concentrations in exceedance of the method detection limit, but not above the adopted screening value (where criteria exist).

6.2.2.2 2015 Ground Investigation

Several exceedances of lead of the adopted screening value were encountered during the 2015 Ground Investigation, within samples from the Kennington Road East Landfill, ref results in Appendix A2.

Several components of VOC and SVOC suites and TPH and PAH were encountered at concentrations significantly above the method detection limit, but not above the adopted screening value (where criteria exist).

6.2.2.3 2008 Ground Investigation

Three samples from within the Made Ground were subject to testing (results in Appendix A1); there were no exceedances of the adopted screening value.

6.2.3 Soil Leachate Extraction Tests

Leachate samples were prepared from samples from the Kennington Road landfills taken during the 2015 and 2017 Ground Investigations. The results are included in Appendix B2 and B3 respectively.

The 2017 Ground Investigation recorded many exceedances of leachable TPH and some exceedances of PAHs.

Leachate tests on material from the Kennington Road West Landfill in the 2015 Ground Investigation showed most parameters were below screening values, only nickel, sulphate and boron were moderately elevated above the screening values.

The leachate test results from Kennington Road East Landfill samples in 2015 Ground Investigation also contained similar levels of contaminants.

6.2.4 Groundwater Chemistry

Groundwater samples from the Kennington Road landfills were taken during the 2008, 2015 and 2017 Ground Investigations. Standpipes were installed in both the fill material; and the underlying River Terrace Deposits aquifer. The fill material was typically dry or had water levels close to the base of the waste material in the 2015 and 2017 Ground Investigations and groundwater samples from the fill were only recovered from the Kennington Road East Landfill during the 2008 Ground Investigation.

A screen of the two groundwater samples from the fill material in boreholes BH109 and BH110 (shown in Appendix C1) in Kennington Road East Landfill taken in the 2008 Ground Investigation shows that they contained some metals, PAHs and long-chain hydrocarbons above screening values and/or detection limits. Ammonium levels were also moderately high, being of the order of 50-100 mg/l.

Groundwater samples from the underlying River Terrace Deposits aquifer taken in the 2015 Ground Investigation (the results are included in Appendix C2) contained slightly elevated levels of some metals, detections of PAHs and slightly elevated levels of ammonium (being typically <10 mg/l). A similar pattern was noted in the 2017 Ground Investigation samples (the results are included in Appendix C1), with the addition that a few samples contained hydrocarbons and PCBs.

Overall, the results suggest a significant residual source term of contaminants in the groundwater standing (when present) in the landfill material above the underlying clay base, but relatively modest contamination of the groundwater in the underlying aquifer.

6.2.5 Surface Water Chemistry

Surface water samples were taken from the various channels passing close by the Kennington Road landfill in the 2017 Ground Investigation. These indicate some detectable levels of PAHs, some occasional metals and other contaminants (e.g. Pendimethalin, a herbicide), although it is noted that many of the metals/PAHs were also detected in the channel system to the northwest of the site (i.e. upstream) from samples around the same time.

Overall, the results do not suggest a major surface water quality deterioration in the channels adjacent to the Kennington Road landfills that can be clearly attributed to the landfill. Although it is noted that the landfill material was dry when the samples were taken; and there is potential for additional leachate to enter the channel when leachate heads are higher. The local ephemeral drains running along the south-eastern edge of these landfills could act as a direct pathway for leachate to enter the Hinksey Drain.

6.2.6 Soil Gas

Table 11 - Soil gas summary – Kennington Road Landfill sites

Installation ID	Ground Investigation	Max steady CH_4	Max steady CO_2	Max flow (l/hr)	Max GSV (CH_4)	Max GSV (CO_2)
Sub-zone D						
BH330A	2017	0.2	12.4	-0.2	0.0002	0.0124
BH346A	2017	0.3	18.3	-0.4	-0.0004	-0.0564
BH326A	2017	0.3	9.8	0.3	0.0001	0.0098
BH329A	2017	0.0	6.7	-0.3	0	-0.0174
BH342A	2017	0.1	13.1	-0.1	0	0.0131
BH109	2008	0.1	14.2	-0.4	-0.0003	-0.0568
BH345A	2017	4.2	21.0	-0.4	-0.014	-0.0796
BH328A	2017	0.4	5.1	-0.3	0.0029	-0.0147
BH107	2008	3.5	15.7	0.3	0.01	0.047
BH109	2008	0.1	20.5	0.3	0.003	0.062
BH110	2008	0.1	8.5	0.4	0.004	0.034
BH121	2008	-	-	-	-	-
BH207	2015	0	3.7	0.4	0	0.185
WS215	2015	0	19.2	0.4	0.007	0.90
WS216	2015	0	14.1	0.4	0.0003	0.016
WS217	2015	0.1	18.5	0.5	0.0003	0.089
WS218	2015	0	12.8	0.4	0.0003	0.051

The gas monitoring indicates that the risk posed by soil gases is generally low, typically Characteristic Situation (CS) 1. There were occasional occurrences of CS2 conditions. The CS2 conditions occurred at window sampler holes WS215 and WS217, where CO_2 concentrations (19.2% and 17.7%) coincided with flow rates of 0.4 and 0.5 l/hr respectively.

It is noted that flow rates were low, with a maximum flow rates of 0.5 l/hr being reported. However, it is further noted that generally, the monitoring was undertaken during periods of high atmospheric pressure. Only on one date during the 2008 monitoring (20 November 2008) and on one date during the 2017 monitoring (5 June 2017) was the atmospheric pressure less than 1000mb. Gas flow rates may be increased during periods when the atmospheric pressure falls quickly.

SECTION 7

Ground Investigation Information: CA3 (New culvert through Redbridge Landfill)

7.1 Ground Conditions

The Redbridge Landfill consists of landfill (domestic waste) up to 3.5m depth, with a shallow layer of Made Ground covering the landfill. At the base of the landfill material is a gravelly clay layer of c. 0.5m thick. Below the liner are approximately 5 m of River Terrace Deposits and below that, the Oxford Clay.

7.2 Chemical Test Results

7.2.1 Soil Solids Tests

Redbridge Landfill lies partially within Scheme area 4H; all the ground investigation locations where chemical testing for contamination was undertaken are within the confines of the landfill.

Table 12 – Redbridge Landfill Ground Investigation Locations with chemical soil results

2017 Ground Investigation	2015 Ground Investigation	2008 Ground Investigation
BH331		BH112
BH348		BH113
TP363		BH114
TP363A		TPK
TP378		TPL
TP379		

7.2.1.1 2017 Ground Investigation

Concentrations of up to 178ug/kg of individual PCB congeners was reported, and a concentration of 504ug/kg (total of 7 PCB congeners) was detected in samples from trial pit TP378 at 2.3m, compared to screening value of 240ug/l. In trial pit TP363A exceedances of individual PAHs were recorded. Tthe results are included in Appendix A3.

7.2.1.2 2008 Ground Investigation

A single sample was tested from the Made Ground, the results are included in Appendix A1. Exceedances of Dibenzo(ah)anthracene were recorded at borehole BH112 (1500ug/kg) and trial pit TPL (1800ug/kg) compared to the screening value of 1100ug/kg.

7.2.2 Soil Leachate Extraction Tests

No leachate tests were performed on samples from this area in the 2015 Ground Investigation. The 2018 Ground Investigation recorded exceedances of leachable TPH and PAHs.

7.2.3 Groundwater Chemistry

Groundwater samples from the Redbridge Landfill were taken during the 2008 and 2017 Ground Investigations. Standpipes were installed in both the fill material; and the underlying River Terrace

Deposits aquifer, although the fill material was typically dry or had water levels close to the base of the waste material in the 2017 Ground Investigation, so groundwater samples from the landfill waste were only recovered from during the 2008 Ground Investigation (in boreholes BH112W1, BH113 and BH114W1). The results are included in Appendix C1 and indicate some moderate exceedances for metals; hydrocarbon contamination; PAHs; and ammonium levels of c. 50-100 mg/l).

Groundwater in the underlying River Terrace Deposit aquifer was sampled in the 2017 Ground Investigation. The results are included in Appendix C3. The results show some exceedance of screening values for some metals, PAHs, PCBs and hydrocarbons. Ammonium values are also moderately elevated, being typically in the range of 10 to 50 mg/l.

Overall, the results suggest a significant contamination source term in the groundwater in the landfill material and in the underlying River Terrace Deposits aquifer. It is possible that one is giving rise to the other, although there are numerous other potential sources in the locality.

7.2.4 Surface Water Chemistry

Samples were taken in the 2017 Ground Investigation at two surface water sample locations on the Hinksey Stream, just upstream of the landfill at SW304 and SW311, from the Old Abingdon Road and A423 bridge over the stream respectively.

The test results on the samples from both SW304 and SW311 replicate the results on surface water samples taken further upstream on the Hinksey Stream in that they contained a few values of metals slightly above screening values, some occasional detections of PAHs, elevated phosphate, and low levels of ammonium. There is no evidence of a deterioration in water quality across the site; or any noticeable impact on the Hinksey Stream water quality from Coldharbour Lane landfill, which is upstream of SW304.

7.3 Soil Gas

Soil gas monitoring was undertaken on four occasions and the results are summarised in Table 13.

Table 13 - Soil gas summary – Redbridge Landfill

Installation ID	GI	Max steady CH_4	Max steady CO_2	Max flow (l/hr)	Max GSV (CH_4)	Max GSV (CO_2)
Sub-zone 4G						
BH331A	2017	23.4	20.3	-0.1	0.023	0.0173
Sub-zone 4H						
BH347A	2017	25.9	18.4	-0.1	-0.026	-0.0184
BH348A	2017	20.7	21.1	0.1	0.021	0.0193

The gas monitoring indicates that the risk posed by soil gases is generally low, typically Characteristic Situation (CS) 1.

It is noted that during three of the four rounds of gas monitoring, the atmospheric pressure was high at 1010mb or greater. Only on one occasion was barometric pressure below 1000mb. Gas flow rates may be higher during periods when the atmospheric pressure falls quickly.

Ground Investigation Information: CA4 (A423 Culverts Area)

8.1 Ground Conditions

Significant depths of Made Ground are present in this area mainly associated with highway embankment construction, up to 8.5m high (borehole BH122). Underlying the Made Ground is possibly Alluvium (unclear whether it is Alluvium or a placed clay layer beneath the Made Ground), River Terrace Deposits and Oxford Clay. Whilst Made Ground is present the borehole logs did not record significant indications of olfactory or visible contamination.

8.2 Chemical Test Results

8.2.1 Soil Solids Tests

The two A423 Culverts lie within Scheme Area 4E and 4H.

Table 14 - A423 Culverts Area Ground Investigation Locations with chemical soil results

2017 Ground Investigation	2015 Ground Investigation	2008 Ground Investigation
BH334		TPM
BH337		
BH337A		
BH369		
CP301A		
CPT301-IP		
BPT303-IP		
TP382		

8.2.1.1 2017 Ground Investigation

Exceedances were noted in the samples from CPT301-IP for Dibenzo(ah)anthracene 1.74 mg/kg compared to 1.1mg/kg screening value, the results are included in Appendix A3. Asbestos (chrysotile) was recorded in borehole BH334 (0.1%).

8.2.1.2 2008 Ground Investigation

Exceedances of individual PAHs were recorded at 0.5m depth bgl in trial pit TPM, the results are included in Appendix A1.

8.2.2 Soil Leachate Extraction Tests

One sample (from the Made Ground) from this area was subject to leachate tests in the 2015 Ground Investigation. It did not contain any parameters above the screening levels. The 2018 Ground Investigation recorded exceedances of Boron, Zinc and phenol.

8.2.3 Groundwater Chemistry

Groundwater from the River Terrace Deposits aquifer beneath the culverts area (outside the Redbridge and Kennington Landfills, to the south of the A423), was sampled in the:

- 2008 Ground Investigation, in boreholes BH122 (eastern A423 culvert) and BH121 (western A423 culvert);
- 2015 Ground Investigation, in boreholes BH121 and BH210, near the western culvert
- 2017 Ground Investigation in boreholes BH339 and BH369B, near the western culvert

The results are included in Appendix C.

Borehole BH121 did not contain any parameters above screening values. Borehole BH210 had some detections of PAHs/metals above screening values as did boreholes BH339/BH369B. None of the boreholes had high levels of chloride or ammonium that would suggest substantial contamination of landfill leachate into the groundwater. Borehole BH369B had one sample result with moderate levels (0.5 mg/l) of long chain hydrocarbons.

The groundwater samples from boreholes near the eastern culvert had some exceedances of metals/PAHs against the screening values in the 2008 Ground Investigation. Ammonium levels were also slightly above the screening value, being c. 5 mg/l.

Overall the groundwater in the River Terrace Deposits aquifer measured in the culverts area to the south of the A423 contains some limited contamination above background levels elsewhere on the Scheme. The data is not suggestive of a substantial plume of contamination extending out to the south of the landfills; and it is noted that there are other sources of contamination nearby, e.g. highway runoff.

8.2.4 Surface Water Chemistry

In the 2017 Ground Investigation surface water samples were taken from sampling points SW310 (on the Hinksey Drain) and SW311 (on the Hinksey Stream) which are parallel culverted sections of channel that pass beneath the A423. Results are included in Appendix D.

Samples from both SW310 and SW311 contained some elevated levels of phosphate and detections of PAHs and copper above the screening values. Ammonium levels were low. The results (albeit from a limited set of samples) do not indicate any gross contamination deriving from the landfills. A location was also sampled in this area in February 2008: “SWS-DS” a few hundred metres to the south-west of SW310 and adjacent to Kennington Pool. This had a similar pattern of exceedances of the screening values to the 2017 Ground Investigation.

Ground Investigation Information: CA5 (New Hinksey Flood Defence)

9.1 Ground Conditions

This area of the Scheme recorded l ground conditions consisting of:

- Shallow topsoil/Made Ground (up to 0.40m depth)
- Alluvium (approx. 1m thickness)
- River Terrace Deposits (up to 4.5m thickness)
- Oxford Clay.

No visual or olfactory indications of contamination were recorded on the borehole and trial pit logs.

9.2 Chemical Test Results

9.2.1 Soil Solids Tests

The New Hinksey flood bund lies within Scheme Area 4F. A summary of the exploratory holes with chemical soil results is given in Table 15.

Table 15 - New Hinksey Flood Bund Ground Investigation Locations with chemical soil results

2017 Ground Investigation	2015 Ground Investigation	2008 Ground Investigation
BH314A		
BH357		
TP338		
TP341		
TP342		

9.2.1.1 2017 Ground Investigation

All samples tested were recovered from natural superficial deposits. There were no exceedances of the adopted screening value

9.2.2 Soil Leachate Extraction Tests

No leachate tests were performed for this area in the 2017 Ground Investigation.

9.2.3 Groundwater and surface water Chemistry

Groundwater samples were taken from the River Terrace Deposits aquifer in this area in the 2017 Ground Investigation (from boreholes BH314, BH315, BH317, BH357 and BH358). Screened results from this are included in Appendix C, Table C3. There were no exceedances of the screening values. No surface water samples have been taken in this area.

Ground Investigation Information: CA6 (South Hinksey Flood Defence)

10.1 Ground Conditions

This area of the Scheme recorded ground conditions consisting of:

- Shallow topsoil (up to 0.20m depth)
- Alluvium (approx. 1m thickness)
- River Terrace Deposits (up to 4.15m thickness)
- Oxford Clay.

No visual or olfactory indications of contamination were recorded on the borehole and trial pit logs.

10.2 Chemical Test Results

10.2.1 Soil Solids Tests

The Ground Investigation locations where chemical testing has been undertaken in Scheme Area 4A is shown below.

Table 16 - South Hinksey Flood Defence Ground Investigation Locations with chemical soil results

2017 Ground Investigation	2015 Ground Investigation	2008 Ground Investigation
BH320		

10.2.1.1 2017 Ground Investigation

All samples were recovered from natural materials. There were no exceedances of the adopted screening values. The results are included in Appendix A3.

10.2.2 Soil Leachate Extraction Tests

No leachate tests were performed in this area in the 2015 Ground Investigation. The 2017 Ground Investigation recorded exceedances of PAHs.

10.2.3 Groundwater and Surface Water Chemistry

Groundwater samples were taken from the River Terrace Deposits aquifer in this area in the 2017 Ground Investigation, from boreholes BH320, BH321 and BH340. Screened results from this are included in Appendix C3. There were no exceedances of the screening values. No surface water samples have been taken in this area.

Ground Investigation Information: CA7 (Eastwyke Ditch Weir)

11.1 Ground Conditions

Borehole BH313 was constructed adjacent to this location. This borehole recorded ground conditions consisting of:

- Shallow topsoil (0.30m depth)
- Alluvium (0.40m thickness)
- River Terrace Deposits (3.60m thickness)
- Oxford Clay.

No visual or olfactory indications of contamination were recorded on the borehole log.

11.2 Chemical Test Results

11.2.1 Soil Solids Tests

There was no chemical testing undertaken in this locality.

11.2.2 Soil Leachate Extraction Tests

Leachate testing was not undertaken in this locality.

11.2.3 Groundwater and Surface Water Chemistry

A groundwater monitoring borehole in the River Terrace Deposits (BH313) adjacent to this location was sunk and sampled in 2017 Ground Investigation. The samples contained some slightly elevated levels of metals and hydrocarbons above screening values and detectable PAHs. One sample contained an anomalous detection of the pesticide pendimethalin (0.266 ug/l). Ammonium and chloride levels were low, suggesting minimal influence from putrescible material from the adjacent Grandpont landfill.

No surface water samples were taken from the Eastwyke Stream.

Ground Investigation Information: CA8A (Towles Mill Weir)

12.1 Ground Conditions

HAS220 was constructed near to this location.

The ground conditions recorded were:

- Made Ground (1.45m depth)
- Alluvium (0.95m thickness)
- River Terrace Deposits

There was no visual or olfactory evidence of contamination recorded.

There is a section in the 2008 Ground Investigation report that describes conditions in this area prior to the investigation:

> *"In 2006/7 works were carried out on Towles Mill Sluice to try and improve water flow in the area. Prior to the start of the work some trial trenches were excavated in the Cold Harbour campsite landfill in order to investigate the extent of buried refuse and potential impact on the by-pass channel design location. These trial pits encountered landfill material at depths of between 0.5 and 0.6m bgl and this extended to depths of between 1.9 and 2.3m bgl. The landfill material was described as bottles, tins, plastics and other domestic waste, including a newspaper from 1969. Below the waste an approximately 0.5m thick layer of grey clay was encountered and below this were gravels. Groundwater was encountered at depths described as being as the same level as the adjacent Hinksey Stream."*

12.2 Chemical Test Results

12.2.1 Soil Solids Tests

No Chemical analysis for contamination was undertaken at this location.

12.2.2 Soil Leachate Extraction Tests

One leachate test was performed on a sample from exploratory hole WS203, which is in Scheme Area 4G, south of the Towles Mill Area. Results from did not exceed screening values.

12.2.3 Groundwater and Surface Chemistry

No groundwater samples were taken in this area, but a sample was taken from Cold Harbour Lane landfill to the north (see section 13.2.2).

Surface water samples were taken from sampling points on the Hinksey Stream upstream at Devils Backbone (SW303); and downstream on the Old Abingdon Road Bridge (SW304). Samples from both locations replicate other surface water samples further upstream on the Hinksey Stream in that the results gave a few values of metals slightly above screening values, some occasional detections of PAHs, elevated phosphate and low levels of ammonium. There is no clear evidence of a deterioration in water quality across the site or any noticeable impact on the Hinksey Stream water quality from Coldharbour Lane landfill, which is upstream of SW304.

12.3 Soil Gas

No ground gas monitoring was undertaken at this location.

Ground Investigation Information: Temporary Works Areas CA8B (ColdHarbour Lane Landfill), and CA9 (Rivermead Landfill)

13.1 Ground Conditions

No ground investigation was conducted in this area in the 2015 and 2017 Ground Investigations, but there were some trial pits and a borehole installed in Cold Harbour Lane landfill as part of the 2008 Ground Investigation. There has also been some trial pitting at Rivermead landfill.

The 2008 Ground Investigation factual report described the findings as follows:

> *"The exploratory holes at Cold Harbour landfill encountered 0.2 to 0.8m of cover soils over what is described as domestic waste. The base of the domestic waste was shown to lie at a depth of between 1.6 and 1.9m below ground level and was underlain by clay. Water levels encountered within the exploratory holes varied between lying within the domestic waste and within the underlying clay";* and
>
> *"Two trial pits at Rivermead landfill encountered waste below 'topsoil' at a depth of 0.4m bgl, and describe the refuse as varying between 'burnt rubbish and hardcore', 'domestic refuse', 'clay and ash' and 'undecomposed refuse'. The base of the refuse varied between 2.1 and 3.1m bgl, and was underlain by clay. Water was encountered towards the base of the refuse in both pits".*

13.2 Chemical Test Results

Given the superficial nature of Scheme activities in this area and potential contamination pathways, only groundwater and surface water chemistry data have been assessed.

13.2.1 Soil Leachate Chemistry

No leachate tests were performed for this area in the 2008 Ground Investigation.

13.2.2 Groundwater and Surface Chemistry

One groundwater sample was taken from borehole BH106 sunk in Coldharbour Lane landfill as part of the 2008 Ground Investigation. Test results on that sample are included in Appendix C, Table C1. The groundwater contained elevated levels of some metals, petroleum hydrocarbons and PAHs, but low levels of ammonia (3.2 mg/l).

Ground Investigation Information: CA10 (Area to North of Botley Road)

14.1 Ground Conditions

This area of the Scheme recorded ground conditions consisting of:

- Shallow topsoil/Made Ground (up to 1.10m depth)
- Alluvium (approx. 1m thickness)
- River Terrace Deposits (up to 4.8m thickness)
- Oxford Clay.

Made Ground comprised sandstone, glass, pottery, quartzite, coal and brick. Fragments of wood and porcelain were present in borehole BH303 metal was encountered in trial pit TP303. No visual or olfactory indications of contamination were recorded on the borehole and trial pit logs.

14.2 Chemical Test Results

14.2.1 Soil Chemistry

The ground investigation locations where chemical testing has been undertaken in Area to North of Botley Road, CA10 is shown below.

Table 17- Area to North of Botley Road, CA10 Ground Investigation Locations with chemical soil results

2017 Ground Investigation	2015 Ground Investigation	2008 Ground Investigation
TMP-BH1	TP292	BH123
TMP-BH3	TP294	BH125
BH301		TPV
BH302		
BH303		
TP301		
TP302		
TP303		
TP304		
TP310		

14.2.1.1 2017 Ground Investigation

The only exceedances of the screening criteria were recorded on the sample at 0.50m depth from borehole BH302 within the Made Ground. Benzo(a)pyrene, Benzo(b)fluoranthene and Dibenzo(ah)anthracene exceeded the screening criteria. The results are included in Appendix A3.

14.2.1.2 2015 Ground Investigation

Two samples were analysed from the Alluvium with no exceedances of the screening values recorded. The results are included in Appendix A2.

14.2.1.3 2008 Ground Investigation

Four samples were analysed with no exceedances of the screening values recorded. The results are included in Appendix A1.

14.2.2 Soil Leachate Chemistry

Two samples from this area were subject to leachate testing as part of the 2015 Ground Investigation. One of these had slightly elevated levels of copper and zinc above the screening level. The 2018 Ground Investigation recorded exceedances of PAHs and orthophosphate.

14.2.3 Groundwater and Surface Chemistry

Groundwater samples were taken from boreholes BH123 and BH125 as part of the 2008 Ground Investigation. There was one exceedance marginally above the screening value for Nickel and an exceedance for ammonia. There is no indication of a significant groundwater contamination source term in the area from these sample results.

Ground Investigation Information: CA12 (Ferry Hinksey Flood Defence)

15.1 Ground Conditions

This area of the Scheme recorded ground conditions consisting of:

- Shallow topsoil/Made Ground (up to 0.9m depth)
- Alluvium (approx. 0.5m thickness)
- River Terrace Deposits (up to 5m thickness)
- Oxford Clay.

Made Ground comprised brick, flint and mixed aggregate. No visual or olfactory indications of contamination were recorded on the borehole and trial pit logs.

15.2 Chemical Test Results

15.2.1 Soil Chemistry

The ground investigation locations where chemical testing has been undertaken in Ferry Hinksey Flood Defence CA12 is shown below.

Table 18 - Ferry Hinksey Flood Defence CA12 Ground Investigation Locations with chemical soil results

2017 Ground Investigation	2015 Ground Investigation	2008 Ground Investigation
BH367FH		
BH365FH		

15.2.1.1 Ground Investigation 2017

The only exceedance of the screening criteria was within the River Terrace Deposits in borehole BH365FH for arsenic (193.3mg/kg compared to the screening value of 170 mg/kg) The results are included in Appendix A3.

15.2.2 Soil Leachate Chemistry

No leachate tests were performed in this area in the 2015 Ground Investigation. The 2017 Ground Investigation recorded exceedances of PAHs and orthophosphate.

15.2.3 Groundwater and Surface Water Chemistry

Groundwater samples were taken from the River Terrace Deposits aquifer in this area in the 2017 Ground Investigation from boreholes BH320, BH321 and BH340. Screened results from testing are included in Appendix C, Table C1. There were no exceedances of the screening values. No surface water samples have been taken in this area.

Risk Assessment

16.1 New/Widened Channel Sections

16.1.1 CA10: Channel widening and embankment to North of Botley Rd.

The activities in this area will comprise:

- Widening of the Hinksey Stream to create a two-stage channel
- Channel Clearance beneath Botley Road Bridge
- Creation of a new above ground earth flood defence structure extending east-west, parallel to Botley Road.

There are limited deposits of Made Ground in this area and sample results to date indicate that it has only minimal contamination potential. Groundwater contamination data indicates that it is unlikely to be significantly higher than already present in the surface water system; although there are potential off-site sources of contamination in the vicinity, e.g. from historical industrial premises to the south of Botley Road.

The risks are therefore linked to the construction phase only, should contamination be visually identified during the works, e.g. during excavations or dewatering. It is assumed that any Made Ground encountered will be segregated for off-site disposal to a licensed waste facility and that any materials used to form the bunds, landscaping or channel re-profiling will be natural material with no contaminative potential.

Contamination risks for activities in this area are summarized below, based on the information described in this report.

Table 19 – Contamination Risks associated with the Scheme in the area to the north of Botley Road.

Phase of Scheme	Source	Pathway	Receptor	Assumed Mitigation if reqd.	Residual Significance
Construction	Contaminated Soil*	Dermal contact/inhalation	Site workers	Watching brief for contamination Appropriate PPE Appropriate storage of any excavated Made Ground.	Low
Construction	Contaminated Soil*	Inhalation	Off-site Residents/users		Low
Construction	Contaminated Soil	Runoff from stockpiles	Local stream system		Low
Construction	Contaminated groundwater*	Discharge of water from groundwater control	Local stream system	Watching brief to identify any unexpected contamination and install treatment/find alternative disposal routes if required.	Low

*if identified during construction.

16.1.2 Main Channel (Section from Botley Road to Old Abingdon Road)

The activities in this area will comprise:

- Widening of existing sections Hinksey Stream to create a two-stage channel
- Creation of a new channel section from North Hinksey south eastwards to the railway line
- Creation culvert structure near Willow Walk

- Small flow control structures
- New footbridges over Hinksey Stream
- Temporary working areas and soil stockpile areas

Contamination risks for activities in this area are summarised below based on the information described in this report. There are limited deposits of Made Ground in this area and sample results to date indicate that it has only minimal contamination potential.

Groundwater contamination data indicates that quality in most of this section is unlikely to be significantly higher than already present in the surface water system in most locations, although there are areas of contamination towards the south-eastern side of the Scheme, in the vicinity of the Old Abingdon Area/Railway.

The risks linked to the construction phase are related to where contamination is or might be encountered during the works, e.g. during excavations or dewatering. The draft Materials Management Plan states that any Made Ground encountered will be segregated for off-site disposal to a licensed waste facility; it is assumed that any materials used for landscaping or channel profiling will be natural material, with no contaminative potential.

The risks during the construction phase relate to the potential for contaminated groundwater to enter sections of the new channel; or to enter existing channels at a higher rate, noting that this contamination is already likely to be entering the local surface water system to some extent.

Table 20 – Contaminated Risks Associated with the Main Channel Section between Botley Road. and Old Abingdon Road

Phase of Scheme	Source	Pathway	Receptor	Assumed Mitigation if reqd.	Residual Significance
Construction	Contaminated Soil/groundwater*	Dermal contact/inhalation	Site workers	Watching brief for contamination Appropriate PPE Appropriate storage (and testing if required) of any excavated Made Ground.	Low
Construction	Contaminated Soil*	Inhalation	Off-site Residents/users	Dust suppression if required	Low
Construction	Contaminated Soil	Runoff from stockpiles	Local stream system	Appropriate storage (and testing if required) of any excavated Made Ground.	Low
Construction	Contaminated groundwater*	Discharge of water from groundwater control	Local stream system	Watching brief to identify any unexpected contamination; If not remediated in advance, employment of oil separators, or off-site tankering for discharge of any contaminated water from SE end of section	Low
Operation	Contaminated groundwater	Groundwater Migration	New or existing channel	Remediation or channel lining where risk is significant	Low

16.1.3 CA2: New channel section through Kennington Landfills

The activities in this area will comprise:

- Creation of a new lined channel section that passes through the northern corner of Kennington Road West landfill, beneath Kennington Road and then meanders through Kennington Road East landfill.
- Temporary working areas and stockpile areas.
- A new 2-span bridge replacing part of Old Abingdon Road.
- New fully-penetrating sheet pile walls along the northern edge of Kennington Road West landfill and north-west to south-east, parallel to the Railway.
- Diversion of the land drain section running along the southern edge of Kennington West landfill into the new channel.

The sides of the channel in the Kennington Road West landfill will be sheet piled, whereas those through Kennington Road East landfill will be engineered, lined slopes. Both the sheet pile sections and the channel linings which will be designed to be near impermeable.

Based on the information to date, significant quantities of contaminated material are likely be encountered and disturbed during the construction period. There are also likely to be some volumes of landfill leachate encountered in the fill material, with the quantity depending on how saturated the fill material is at the time of construction. Data to date indicates that the underlying River Terrace Deposits aquifer has more modest levels of contamination than the landfill itself. Landfill gases are likely to be encountered and the site Health and Safety Plan will need to ensure that risks during construction are minimised.

The residual risk during the operation phase will depend on the change to the discharge regime into the local channel system. It is likely that lining of the channel in the area will cause leachate to migrate in a different manner, e.g. via increased discharge to the land drain to the south of the landfill; or if the clay liner under the landfill is not continuous, the leachate may migrate down into the River Terrace Deposits aquifer. The presence of the channel and the sheet piles around the landfill may also divert flows of contaminated groundwater in the River Terrace Deposits aquifer, both from Kennington landfills and/or from Redbridge landfill; and to a lesser extent the other local landfills. The groundwater modelling completed by ESI (ESI, 2018) indicates that groundwater flow directions in this area should not change substantially due to the new channel. The specific zones of discharge of contaminated groundwater into the local surface water system could change, but the overall flux should be similar or less than the baseline situation, as there would be a significant volume of source material excavated and removed from the site during construction works.

A separate related risk would be from the changes to peak groundwater level from the Scheme operation. This could result in a variation in the patterns of fill saturation. However, groundwater modelling performed by ESI also indicates that peak flood-condition groundwater levels in the aquifer beneath the landfills area will likely fall due to the Scheme, so this appears to be a low risk at present.

Table 21 – Contaminated Risks Associated with the Main Channel Section between Old Abingdon Road and the A423 West Culvert

Phase of Scheme	Source	Pathway	Receptor	Assumed Mitigation if reqd.	Residual Significance
Construction	Contaminated Soil/ groundwater*	Dermal contact/inhalation	Site workers	Watching brief for abnormal contamination Appropriate PPE Segregation of arisings by material type. Appropriate storage and testing (if required) of any excavated Made Ground.	Low
Construction	Contaminated Soil*	Inhalation of dust/vapours	Off-site Residents/users	Dust suppression. Air quality monitoring	Low
Construction	Contaminated Soil	Runoff from stockpiles	Local stream system	Storage of soils in covered, bunded areas away from channels	Low
Construction	Contaminated groundwater*	Discharge of water from groundwater control	Local stream system	Employment of tankering; disposal to sewer, or recirculation to landfill for any leachate bodies in the fill; Possible treatment of any contaminated water of River Terrace Deposits aquifer groundwater; and/or disposal to stream/sewer, subject to quality.	Low
Construction	Contaminated groundwater*	Migration of leachate via sheet piles	Local streams and River Terrace Deposits aquifer	Piling risk assessments to define appropriate methodology.	Moderate (Sheet piling technique to be confirmed)
Operation	Contaminated groundwater	Diversion of contaminated groundwater in River Terrace Deposits aquifer by sheet piles/aquifer cut-offs	Local stream/river system	Groundwater and surface water monitoring	Low to Moderate
Operation	Contaminated groundwater	Diversion of contaminated groundwater due to groundwater level changes due to Scheme	Local stream/river system	Groundwater and surface water monitoring	Low
Operation	Soil gas in landfills	Accumulation in below ground structures	Site workers	Passive ventilation of any below ground structures, if not already inherent in design. Appropriate H&S measures (e.g. gas monitors) during construction to prevent explosion/asphyxiation	Low

16.2 CA4: A423 Culverts Area

The activities in this area will comprise:

- Creation of a new (western) culvert from the area to the south-west of Kennington Road West channel, through the A423 road embankment and connecting into the existing alignment of the Hinksey Ditch, which will be widened as far as Kennington Pool
- Creation of a new (eastern) culvert from the area just to the south of Redbridge landfill, through the A423 road embankment and connecting into a widened section of the Hinksey Stream to the south of the road.

It is noted that due to access constraints there is little ground investigation information for this area including chemical testing of soils to establish soil contamination risks. An additional ground investigation has been planned for 2018 and the results of this risk assessment should be updated utilising after then. There appears to be some levels of contamination of groundwater in this area.

However, at this stage, the principal contamination risks during the construction phase relate to:

- Disturbance of fill material in the road embankment, leading to exposure risks for construction workers and local public space users;
- Disturbance of any fill material in the infilled pond areas to the north and south of the road embankments
- Risks from migration of contaminants from the adjacent landfill sites, either via the River Terrace Deposits aquifer or the new channel
- Creation of connectivity between the fill material and the underlying River Terrace Deposits aquifer
- Handling of any poor-quality groundwater and associated soil contamination encountered in excavations or during groundwater control.

During the operational phase, there is a risk that new sheet piles or culvert sections will divert existing flows of contaminated groundwater from the local landfills changing the level concentrations of contaminants in local surface water receptors. However, the significance may be limited, as it is likely that the landfill leachate is already reaching the local channel system via the shortest available pathway and would only be exacerbated if new, more rapid pathways were created.

Table 22 – Contamination Risks associated with the Scheme in the vicinity of the A423 culverts area

Phase of Scheme	Source	Pathway	Receptor	Assumed Mitigation if reqd.	Residual Significance
Construction	Contaminated Soil*	Dermal contact/inhalation	Site workers	Watching brief for contamination Appropriate PPE Appropriate storage (and testing if required) of any excavated Made Ground.	Low
Construction	Contaminated Soil*	Inhalation	Off-site Residents/users		Low
Construction	Contaminated Soil	Runoff from stockpiles	Local stream system		Low
Construction	Contaminated groundwater*	Discharge of water from groundwater control	Local stream system	Install treatment/and identify appropriate routes if dewatering required.	Low

Construction	Contaminated groundwater*	Dermal contact/inhalation	Site workers	Appropriate PPE	Low
Operation	Contaminated groundwater	Change to migration pathways for contaminated groundwater	Local stream system	Monitoring	Low to Moderate

It is noted that a supplementary ground investigation in this area has been specified to assist with the culvert design and this is expected to be completed in 2018. Any contamination samples taken as part of this should reviewed when the data is available and this risk assessment updated accordingly.

16.3 Other Structures

16.3.1 CA5: Flood defence at New Hinksey

The activities in this area will comprise:

- Creation of a new above ground earth flood defence structure running parallel to the River Thames.

Contamination risks for activities in this area are summarized below based on the information described in this report. There are limited deposits of Made Ground in this area and sample results to date indicate that it has only minimal contamination potential. Groundwater sample data has not identified any significant contamination.

The risks are therefore linked to the construction phase only, should contamination be visually identified during the works, e.g. during excavations or dewatering. It is assumed that any Made Ground encountered will be segregated for off-site disposal to a licensed waste facility; and that any materials used to form the bunds will be natural material with no contaminative potential.

Table 23 – Contamination Risks associated with the Scheme in the New Hinksey area

Phase of Scheme	Source	Pathway	Receptor	Assumed Mitigation if reqd.	Residual Significance
Construction	Contaminated Soil*	Dermal contact/inhalation	Site workers	Watching brief for contamination Appropriate PPE Appropriate storage of any excavated Made Ground.	Low
Construction	Contaminated Soil*	Inhalation	Off-site Residents/users		Low
Construction	Contaminated Soil	Runoff from stockpiles	Local stream system		Low
Construction	Contaminated groundwater*	Discharge of water from groundwater control	Local stream system	Watching brief to identify any unexpected contamination and install treatment/find alternative disposal routes if required.	Low

*if identified during construction.

16.3.2 CA6: Flood defence at South Hinksey

The activities in this area will comprise:

- Creation of a new above ground earth flood defence structure around a field to the east of South Hinksey.

Contamination risks for activities in this area are summarized below based on the information described in this report. There are limited deposits of Made Ground in this area and sample results to date indicate that it has only minimal contamination potential, although a watching brief should be maintained during excavations, as there are two unknown small demolished structures close to/beneath the alignment. Groundwater sample data has not identified any significant contamination.

The risks are therefore linked to the construction phase only, should contamination be visually identified during the works, e.g. during excavations or dewatering. It is assumed that any Made Ground encountered will be segregated for off-site disposal to a licensed waste facility and that any materials used to form the bunds will be natural material with no contaminative potential.

Table 24 – Contamination Risks associated with the Scheme in the South Hinksey Area

Phase of Scheme	Source	Pathway	Receptor	Assumed Mitigation if reqd.	Residual Significance
Construction	Contaminated Soil*	Dermal contact/inhalation	Site workers	Watching brief for contamination Appropriate PPE Appropriate storage of any excavated Made Ground.	Low
Construction	Contaminated Soil*	Inhalation	Off-site Residents/users		Low
Construction	Contaminated Soil	Runoff from stockpiles	Local stream system		Low
Construction	Contaminated groundwater*	Discharge of water from groundwater control	Local stream system	Watching brief to identify any unexpected contamination and install treatment/find alternative disposal routes if required.	Low

*if identified during construction.

16.3.3 CA12: Ferry Hinksey

Activities in this area will include:

- A new flood defence embankment and wall running along the eastern side of a stream parallel to Ferry Hinksey Road and around the south-western edge of Osney Mead industrial estate.

There appear to be some, but limited contamination risks associated with activities in this area. Noting the potential proximity of groundwater contamination sources and a possible old building in the area. It is recommended that a watching brief for contamination is maintained during excavations in this area and that any soils re-used in this area meet criteria for use to protect human health/controlled waters.

Table 25 – Contamination Risks associated with the Scheme in the vicinity of Ferry Hinksey

Phase of Scheme	Source	Pathway	Receptor	Assumed Mitigation if reqd.	Residual Significance
Construction	Contaminated Soil*	Dermal contact/inhalation	Site workers	Watching brief for contamination Appropriate PPE Appropriate storage of any excavated Made Ground.	Low
Construction	Contaminated Soil*	Inhalation	Off-site Residents/users		Low
Construction	Contaminated Soil	Runoff from stockpiles	Local stream system		Low

Phase of Scheme	Source	Pathway	Receptor	Assumed Mitigation if reqd.	Residual Significance
Construction	Contaminated groundwater*	Discharge of water from groundwater control	Local stream system	Watching brief to identify any unexpected contamination in dewatering water and install treatment/find alternative disposal routes if required.	Low
Construction	Contaminated groundwater*	Dermal contact/inhalation	Site workers	Appropriate PPE	Low

16.3.4 CA7: Eastwyke Ditch Weir

The activities in this area will comprise:

- Creation of a new weir structure.

Contamination risks for activities in this area are summarized below based on the information described in this report. There are limited deposits of Made Ground in this area and sample results to date indicate that it has only minimal contamination potential. Groundwater sample data has not identified any significant contamination above background levels in the local surface water system, although it is noted that Grandpont landfill is nearby and any there is potential that contamination could be induced to migrate onto the site in the event of any prolonged pumping, e.g. for dewatering.

The risks are therefore linked to the construction phase only, should contamination be visually identified during the works, e.g. during excavations or dewatering. Some health and safety measures may need to be employed, noting the potential presence for soil gas from the landfill. It is assumed that any Made Ground encountered will be segregated for off-site disposal to a licensed waste facility.

Table 26 – Contamination Risks associated with the Scheme in the vicinity of Eastwyke Stream

Phase of Scheme	Source	Pathway	Receptor	Assumed Mitigation if reqd.	Residual Significance
Construction	Contaminated Soil*	Dermal contact/inhalation	Site workers	Watching brief for contamination Appropriate PPE Appropriate storage of any excavated Made Ground.	Low
Construction	Contaminated Soil*	Inhalation	Off-site Residents/users		Low
Construction	Contaminated Soil	Runoff from stockpiles	Local stream system		Low
Construction	Contaminated groundwater*	Discharge of water from groundwater control (if required)	Local stream system	Watching brief/sampling to identify any contamination in dewatering water and install treatment/find alternative disposal routes if required.	Low

16.3.5 CA8A Towles Mill Weir

The activities in this area will comprise:

- Removal of new weir structure.

Contamination risks for activities in this area are summarized below based on the information described in this report. There are limited deposits of Made Ground in this area and sample results to date indicate that it has only minimal contamination potential. Groundwater sample data has not identified any significant contamination above background levels in the local surface water system, although it is noted that Cold Harbour landfill is nearby and any there is potential that groundwater contamination could be encountered during excavation work. It is anecdotally reported that groundwater contamination emerged during previous bank work in this area and had to be plugged.

The risks are therefore linked primarily to the construction phase and some lowering/depressurization and permanent sealing of contaminated groundwater may be required to prevent it emerging into the channel. Some health and safety measures may also need to be employed, noting the potential presence for soil gas from the landfill. It is assumed that any Made Ground encountered will be segregated for off-site disposal to a licensed waste facility.

Table 27 – Contamination Risks associated with the Scheme in the vicinity of Towles Mill Weir

Phase of Scheme	Source	Pathway	Receptor	Assumed Mitigation if reqd.	Residual Significance
Construction	Contaminated groundwater*	Discharge of water from groundwater control (if required) or from disturbance of ground.	Local stream system	Groundwater control if required. Watching brief to identify any unexpected contamination in dewatering water and install treatment/find alternative disposal routes if required.	Low

16.4 Temporary Works Areas

16.4.1 CA8B and CA9: Rivermead and Cold Harbour Lane Landfills

The activities in this area will comprise temporary storage of arisings from channel clearance. As there is likely to be minimal surface activity and no direct interaction with contamination soil in or beneath the landfill, there is no pathway to human receptors and therefore no risk for these source types. However, the site health and safety plan may need to make users aware of the potential for soil gas, e.g. through explosive risk, with appropriate mitigation employed. The only risks therefore relate to the potential for encountering contaminated groundwater during excavation works at Towles Mill weir (see previous sections); and or for changing existing migration pathways during the operational phase of the Scheme. The risks and assumed mitigation are summarized below.

Table 28 – Contamination Risks associated with the Scheme in the vicinity of Temporary Works areas

Phase of Scheme	Source	Pathway	Receptor	Assumed Mitigation if reqd.	Residual Significance
Operation	Contaminated Groundwater	Changes to existing aquifer migration pathways	Local surface water features	Post-construction monitoring	Low to Moderate
Construction	Contaminated groundwater*	Discharge of water from groundwater control	Local stream system	If dewatering water is contaminated; install treatment/find alternative disposal routes if required.	Low

Outline Remediation Strategy

17.1 Potentially Contaminated Strata

The ground investigation has identified areas of landfill and Made Ground that contain contaminants (the landfill material in particular) and at least some of this material will be unsuitable for re-use. It is possible that the Made Ground may be suitable for re-use on other sites, dependent on their requirements.

The contamination assessment has also indicated some areas of anomalous groundwater contamination, e.g. beneath the landfill areas and at other locations where excavations may be taking place (e.g. north of Old Abingdon Road, at the Hinksey Stream crossing of the railway, in the A423 culverts area and at Towles Mill Weir. Upon excavation, soils underlying these locations may be impacted by contaminated groundwater and may also require treatment or disposal.

17.2 Scheme Materials requirements

The Materials Management Plan (MMP) (IMSE500177-HGL-00-ZZ-RE-C-000111) details the soils re-use options for the Scheme. Due to the nature of Scheme being primarily excavation, the volume of material excavated will be far greater than the materials demand for re-use.

The MMP describes the three main re-use sites within the Scheme:

- The South Hinksey flood defence;
- The Hinksey flood defence parallel to Abingdon Road
- The flood defence north of Botley Road.

The MMP assumes that the material re-used will be the Alluvium. The MMP also describes potential off-site re-use options, as well as a proposal for landfilling of the excess Alluvium at a site just to the west of the Scheme (that area is not within the scope of this report).

There is a significant volume (23,000 m^3) of excess landfill materials likely to be generated, as well as some 12,000 m^3 of Made Ground; and any contaminated natural materials. This represents a significant cost and it may be preferable to re-use some of this material within the three main uses as described above.

17.3 Constraints on Re-use on Site

The current MMP does not propose re-using Made Ground or Landfill, or natural materials contaminated by groundwater pollution. The following text is provided should this approach change in the future.

17.3.1 Re-use of Soils

Any re-use of materials on site would likely be achieved using the CL: AIRE Definition of Waste Code of Practice (DoWCoP). This methodology provides a framework to show the material is no longer considered a waste and therefore not subject to waste regulation. To show the material is no longer a waste it is necessary to show that there is a genuine need for the material and that it is suitable both in terms of human health and environmental risk, as well as geotechnically.

Whilst natural soils, if re-used on site, are no considered waste under the EU Waste directive, there remains a requirement to show that there is a need for their re-use. The DoWCoP can be used to facilitate the re-use of natural soils.

The key to re-use of Made Ground or landfill will be showing that it presents no risk to either groundwater or surface water. Whilst human health is an important consideration, the open space location and the fact that any materials re-use will be covered by top-soiling and vegetation means that the controlled waters are likely to require the lower contaminant re-use targets.

The recent ground investigation found asbestos in two locations, at <0.1% and <0.001%.

Given the relatively few locations where it was found, this is not considered to present a significant risk, both in the current setting and the planned use. Asbestos within soil usually represents a very low risk of fibre release as the asbestos is bound within the cement and present within a soil matrix which would ordinarily be wet or damp.

Most of the works will not fall under the Control of Asbestos Regulations, as ground investigation has shown it to be either: not present; or present at only “negligible” concentrations. However, it would be prudent to assume that asbestos may still be encountered in the landfill areas and for these areas it is recommended that: the works be classed as non-licenced work under the Control of Asbestos Regulations 2012 and a Plan of Work will be required. All staff involved in the works will require training to demonstrate that they are competent for non-licensed work.

Given the variable nature of Made Ground, it would be prudent for the Plan of Works to include procedures to be adopted in the event of encountering asbestos-containing materials not previously identified during the ground investigations, to ensure that the risks can be controlled and managed.

17.3.2 Controlled Waters RA for potential receptor sites

If any fill is to be re-used on site, it will need to be subject to a P20 Risk Assessment to derive remedial targets for the Protection of Controlled Waters for the emplacement location. Given that emplacement locations are located above Alluvium with a shallow water table and are typically close to surface water receptors, acceptance criteria may not be significantly higher than EQS for some substances.

17.3.3 Human Health RA for potential receptor sites

It is proposed that the soils re-use criteria for human health risk should follow, as applicable:

- Category 4 Screening Levels (SP1010 – Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination, Final Project Report (rec 2), CL: AIRE 2014); and
- the Suitable for Use Levels (The LQM/CIEH S4ULs for Human Health Risk Assessment, LQM/CIEH 2014, reference S4UL3168).

Depending on the location of any emplacement the “Public open space not near residential”, or “Public open space near residential” scenarios would be the most appropriate to determine human health re-use acceptability criteria. Most of the natural soils that would be generated appear likely to achieve these criteria.

Regarding asbestos, given the minimal amount found during the ground investigation it is proposed to dispose of all asbestos contaminated soils off-site. However, the works will still need to comply with Control of Asbestos Regulations 2012, and the works (i.e. excavating small areas of asbestos contamination), is Non-Licensed Work. In terms of meeting re-use criteria, it is proposed that all soils used within 1m of final formation will be required to be free of asbestos (i.e. no asbestos fibres present within the soil sample), and soils used 1m below final formation level to contain <0.001% asbestos (i.e. considered negligible) and the re-use would therefore not come under the Control of Asbestos Regulations.

17.3.4 Onsite soil treatment options

As the Alluvium may not all be classified as inert, it may be preferable to categorize and segregate it by organic content. Re-use of the Alluvium will not necessarily require significant treatment, although some mixing with gravel may be required to achieve the geotechnical specification.

Should Made Ground (or contaminated natural material) be re-used, it may be that some treatment will be required to achieve, re-use targets, in particular soil leachability for the protection of controlled waters. Soil stabilisation involves the addition of cement to reduce the mobility of contaminants. This could be applied to some types of Made Ground, but given the highly variable nature of the waste material from Kennington and Redbridge landfills, it seems unlikely that any additional remediation, sorting or pre-treatment would be worthwhile for this material.

17.4 Off-site soil disposal options

As described above and in the MMP, the plan is to dispose of Made Ground, other suspected contaminated soils, and/or any surplus natural materials to a permitted off-site facility. The options for this are still being evaluated.

17.5 Contaminated Water Management

17.5.1 Construction contaminated groundwater management

It is likely that most of the deeper (i.e. >1 m) below ground elements of the Scheme will require some form of groundwater control during the construction process. As the River Terrace Deposits aquifer is highly permeable, it is anticipated that in most instances, temporary cut-off walls or similar will be used to minimise the volumes to be handled and/or the material will be excavated from below the water table. Cut-offs would also minimise the potential for disturbing existing contamination but there will still be some residual groundwater during the initial phase of excavations in some areas that will need to be disposed of.

Some areas of the Scheme have a high risk of having existing substantial groundwater contamination especially the shallow fill deposits in the Kennington Landfills; and the Redbridge landfills. Although these deposits have frequently been nearly dry recently, it is likely that pockets of leachate will be encountered and/or there is the potential to encounter a more extensive body of leachate if the construction occurs after a prolonged wet period. The River Terrace Deposits aquifer beneath the south-western corner of Redbridge landfill where the new culvert will be constructed also contains significant contamination; and there are also proven areas of anomalous levels of contamination close to the railway line near the Hinksey Stream crossing, just to the north of Old Abingdon Road, at Towles Mill Weir and in the A423 culverts area.

Some watching brief may also be required for groundwater contamination in the below ground excavations in other areas of the Scheme near potential sources, e.g. close to the railway line and at Eastwyke Stream weir.

Any encountered contaminated groundwater at these locations and at other locations may need to be tankered, disposed of to sewer and/or be treated prior to disposal to a local surface water course. Where appropriate, recirculation of leachate back to the adjacent landfill may also be an option. Advance treatment and/or channel lining may also be worthwhile in some instances, to prevent these contamination sources entering the channel during operation

Elsewhere there are some, but limited levels of contamination of groundwater that may require some pre-treatment prior to disposal to surface water (or other appropriate receptor, e.g. local groundwater or sewer). Any discharge to controlled waters would require a discharge consent.

17.5.2 Design of permanent below ground structures

There are three known areas for new channel construction through landfills that may encounter potentially significant groundwater contamination that may require more detailed planning and mitigation, at the two Kennington Landfills and Redbridge Landfill. Creation of a new channel has the potential to create a more rapid pathway to surface water than at present, although the design through the landfill will comprise near permeable sections of channel lining, so any leachate emerging may take a different pathway to reach the channel sections, e.g. via the local land drains or via drainage into the underlying aquifer. The leachate from the landfills is already likely to be draining into entering the local channel system to some extent, so any change is not necessarily going to be environmentally significant, but there would need to be monitoring during the construction and post-construction phase to determine if this is the case.

Some other sections of the new channel may pass in/near areas of groundwater contamination (e.g. to the north of Old Abingdon Road) and close to the Hinksey Stream crossing. If the risk is considered significant after further examination, some consideration should be given to either prior remediation and/or channel lining in those areas to prevent additional contamination entering the new channel in significant quantities.

Piling or foundation construction through the landfills could create pathways through the clayey material into the underlying aquifer. Piling risk assessments would need to be performed to identify suitable techniques to prevent this occurring.

17.6 Gas

17.6.1 Gas protection measures

Based on the ground investigation, and the relatively low risk nature of the works (i.e. mostly open excavation and the absence of new permanent buildings), the need for gas protection measures is not likely to be necessary overall. However, any sections of channel through landfill should ensure that preferential pathways for gas migration are not created, any new below ground chambers or structures are ventilated and appropriate health and safety precautions taken during the construction phase in at-risk areas.

Recommendations

Key Residual risks identified in the report and recommendation actions are summarized in the Table 29. Details of the construction phase-monitoring and any method statements should incorporate the outcomes/deliverables from pre-construction phase actions and any further actions should be included in the Scheme's construction environmental monitoring plan (CEMP).

Table 29 – Potential Residual Contamination Risks that may require further investigation/action

Residual Risk	**Investigations/ Actions to Quantify**
Soil risks associated with A423 embankment material	Update risk assessments after additional sampling in 2018.
Changes to water quality across Scheme as a result of disturbance of contaminated materials.	Implement pre-construction water quality monitoring in areas with significant risks.
Soil gas risk during construction and operation	Review risks associated with gas migration via new channel through landfills. Consider passive ventilation for any new below ground structures (if not already inherent in design); complete appropriate H&S measures (e.g. gas monitoring of excavations during construction).
Risks associated with handling contaminated groundwater during excavations/piling/foundation construction in/near the landfill areas.	Review of likely volumes/quality to be handled; design of appropriate treatment/disposal routes for dewatering water. Determine appropriate piling/construction methodologies to minimise risks
Risk of Groundwater contamination outside landfill areas being encountered during construction groundwater control.	Review of likely volumes/quality to be handled; design of appropriate treatment/disposal routes for dewatering water. Determine appropriate piling/construction methodologies to minimise risks.
Risk of Groundwater contamination outside landfill areas entering new or modified channels.	Review potential for pollution in these areas and consider options to prevent, where a significant risk.
Risk of Groundwater contamination via new channel sections through landfills entering channel during operation	Monitor quality and water levels after new channel is installed (during construction phase) to confirm no significant leaks/new pathways
Risk of Groundwater contamination from landfills around Old Abingdon Rd. area being diverted to new receptors because of the presence of new below ground structures.	Post-construction monitoring of local surface water features and groundwater to determine effect.

References

BBV (2008)	Oxford FRMS Contaminated Land Desk Study, June 2008
CIRIA (2007)	Assessing risks posed by hazardous ground gases to buildings, CIRIA C665, 2007
CL: AIRE (2014)	SP1010 – Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination, Contaminated Land: Applications in Real Environments, 2014
ESI (2018)	Oxford Flood Alleviation Scheme: Groundwater Model Update, ESI, February 2018.
Fugro (2008)	Oxford Flood Risk Management Strategy, Final Factual Report on Ground Investigation
WYG (2016)	Oxford FAS for PAR – Ground Investigation, Issue 4, January 2016
WYG (2018)	Oxford Flood Alleviations Scheme, Detailed Design – Ground Investigation Factual Report, V2, 18th January 2018,

Appendix A
Soil Solid Chemistry Results

					Location	BH123	BH123	BH125	TPV	TPC	TPC	TPE	TPP	TPQ	TPR	TPS
					Depth to sample	0.5	1.5	0.5	0.5	0.5	1.5	1	0.5	1	0.7	0.8
					Geology	Made Ground	Organic Alluvium	Organic Alluvium	Made Ground	Alluvium	River Terrace Deposits	Made Ground	Alluvium	River Terrace Deposits	Alluvium	River Terrace Deposits
					Relevant Scheme Zone	1A	1A	1B		3C	3C	mp. area (CH)	4C	4C		4C
					Area Description	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.
Chemical name	**Method code**	**Unit**	**max**	**Location of max**	Screening Value where available											
Arsenic	TM129	mg/kg	46	BH101	170	38	15	16	16	9	12	10	20	22	14	18
Boron Water Soluble	TM129	mg/kg	26	BH101	46000	0	0	0	0	0	0	0	0	0	0	0
Cadmium	TM129	mg/kg	3.6	BH113	532	0.4	0.4	0	0.4	0	0	3	0.5	0	0.5	0
Chromium	TM129	mg/kg	870	BH110	33000	19	62	65	40	49	16	27	56	15	35	12
Copper	TM129	mg/kg	230	BH110	44000	8	17	19	39	11	0	140	10	7	17	0
Lead	TM129	mg/kg	6000	BH101	630	11	19	31	160	14	6	280	25	7	38	5
Mercury	TM129	mg/kg	1.6	TPM	240	0	0.7	0.8	0.9	0	0	0.7	0	0	0	0
Nickel	TM129	mg/kg	640	BH110	3400	17	37	37	26	29	19	46	33	16	26	11
Selenium	TM129	mg/kg	0	BH123	1800	0	0	0	0	0	0	0	0	0	0	0
Zinc	TM129	mg/kg	1100	TPK	170000	62	150	130	240	110	38	1000	110	37	130	31
Zinc	TM130	ug/kg	0	TPC	170000000	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Free Cyanide	TM153	mg/kg	0	BH123		0	0	0	0	0	0	0	0	0	0	0
Total Cyanide	TM153	mg/kg	13	TPM		0	0	0	0	0	0	5	0	0	0	0
Nitrite	TM019	mg/kg	0	BH116		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Formaldehyde	TM038	mg/kg	0	TPM		N/A	N/A	N/A	N/A	nb	N/A	N/A	N/A	N/A	N/A	N/A
Nitrite (soluble) as NO2	TM103	mg/kg	26	BH107		0.2	0.3	8	8.6	0.5	0.2	1.3	1.4	0.2	9.6	0.2
2.3.5 Trimethyl-Phenol	TM062	mg/kg	#N/A	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
2-Isopropyl Phenol	TM062	mg/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Catechol	TM062	mg/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Cresols	TM062	mg/kg	2.5	TPL		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Phenol	TM062	mg/kg	0.15	TPL	3200	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Phenols Monohydric	TM062	mg/kg	0.43	TPK		0	0	0	0	0	0	N/A	N/A	N/A	N/A	N/A
Phenols Total of 8 Speciated	TM062	mg/kg	0.32	BH113		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Resorcinol	TM062	mg/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Xylenols	TM062	mg/kg	0	BH101		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Acenaphthene	TM074	ug/kg	6200	TPK	29,000,000	0	0	63	77	20	0	190	0	18	180	0
Acenaphthylene	TM074	ug/kg	1100	TPL	29,000,000	0	0	63	610	17	0	440	0	7	290	0
Anthracene	TM074	ug/kg	15000	BH114	150,000,000	0	0	150	650	0	0	410	0	0	49	0
Benz(a)anthracene	TM074	ug/kg	34000	BH114	49,000	54	44	500	4000	19	17	1100	38	18	120	22
Benzo(a)pyrene	TM074	ug/kg	30000	BH114	11,000	32	41	520	4100	0	0	1300	27	0	130	0
Benzo(b)fluoranthene	TM074	ug/kg	26000	BH114	13,000	50	38	660	4400	0	0	1600	52	0	160	0
Benzo(ghi)perylene	TM074	ug/kg	22000	BH114	1,400,000	30	32	410	3000	0	0	1100	23	0	110	0
Benzo(k)fluoranthene	TM074	ug/kg	23000	BH114	370,000	0	0	320	2100	0	0	580	0	0	99	0
Chrysene	TM074	ug/kg	36000	BH114	93,000	36	35	510	3700	0	0	1100	32	0	150	20
Dibenzo(ah)anthracene	TM074	ug/kg	9000	BH114	1,100	11	8	88	690	0	0	350	8	0	24	0
Fluoranthene	TM074	ug/kg	84000	BH114	300,000	46	49	880	5600	0	0	2300	47	0	210	0
Fluorene	TM074	ug/kg	5600	TPL	20,000,000	0	0	67	150	35	28	360	0	45	380	0
Indeno(123cd)pyrene	TM074	ug/kg	20000	BH114	150,000	22	22	320	2400	0	0	820	19	0	83	0
Naphthalene	TM074	ug/kg	10000	WSB	76,400	22	0	44	530	420	510	2200	39	550	5600	500
Phenanthrene	TM074	ug/kg	36000	BH114	6,200,000	41	27	630	2100	38	31	1400	36	56	340	25
Pyrene	TM074	ug/kg	53000	BH114	100,000	40	39	730	5000	0	0	1800	44	0	180	0
PAH 16 Total	TM074	ug/kg	390000	BH114		380	340	5900	39000	540	580	17000	370	690	8000	570
Aliphatics C5-C6	TM089	ug/kg	0	BH103	304,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aliphatics >C6-C8	TM089	ug/kg	0	WSB	144,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aliphatics >C8-C10	TM089	ug/kg	0	BH104	78,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aliphatics >C10-C12	TM089	ug/kg	0	TPC	48,000	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Aliphatics >C12-C16	TM089	ug/kg	7900	TPL	24,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aliphatics >C16-C21	TM089	ug/kg	140000	TPK	450,000,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aliphatics >C21-C35	TM089	ug/kg	210000	TPF	450,000,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aromatics C6-C7	TM089	ug/kg	0	TPR		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0
Aromatics >C7-C8	TM089	ug/kg	0	TPU	869,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

					Location	BH123	BH123	BH125	TPV	TPC	TPC	TPE	TPP	TPQ	TPR	TPS
					Depth to sample	0.5	1.5	0.5	0.5	0.5	1.5	1	0.5	1	0.7	0.8
					Geology	Made Ground	Organic Alluvium	Organic Alluvium	Made Ground	Alluvium	River Terrace Deposits	Made Ground	Alluvium	River Terrace Deposits	Alluvium	River Terrace Deposits
					Relevant Scheme Zone	1A	1A	1B		3C	3C	mp. area (CH)	4C	4C		4C
					Area Description	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.
Aromatics >EC8-EC10	TM089	ug/kg	190	BH102		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aromatics >EC10-EC12	TM089	ug/kg	0	BH101	364,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aromatics >EC12-EC16	TM089	ug/kg	18000	TPC	10,000,000	N/A	N/A	N/A	N/A	N/A	N/A	18000	N/A	N/A	N/A	N/A
Aromatics >EC16-EC21	TM089	ug/kg	1200000	BH101	7,600,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	310
Aromatics >EC21-EC35	TM089	ug/kg	1200000	TPL	7,800,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Aliphatics C5-C35	TM089	ug/kg	1800000	TPG		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	29000
Total Aromatics C6-C35	TM089	ug/kg	3200000	BH101		N/A	N/A	N/A	N/A	N/A	N/A	310000	N/A	N/A	N/A	N/A
TPH (Aliphatics and Aromatics C5-C35)	TM089	ug/kg	3100000	TPL		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH C6-40	TM089	mg/kg	1500	BH114		0	0	0	180	0	0	N/A	0	0	44	N/A
Benzene	TM089	ug/kg	0	TPC	90,000	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	0
Ethyl benzene	TM089	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	0
Ethylbenzene	TM089	ug/kg	18	BH101		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
GRO (C4-C12)	TM089	ug/kg	0	BH107		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
m & p Xylene	TM089	ug/kg	53	BH101	576,000	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	0
o Xylene	TM089	ug/kg	0	TPC	478,000	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	0
Toluene	TM089	ug/kg	28	TPM	869,000	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	0
Total Organic Carbon	TM090	%	31	BH104		0.3	1.7	1.6	2.6	1.4	0	6.3	1.6	0	2.1	0
1,2,4-Trichlorobenzene	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
1.1.1.2-Tetrachloroethane	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
1.1.1-Trichloroethane	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
1.1.2.2-Tetrachloroethane	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
1.1.2-Trichloroethane	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
1.1-Dichloroethane	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
1.1-Dichloroethene	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
1.1-Dichloropropene	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
1.2.3-Trichlorobenzene	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
1.2.3-Trichloropropane	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
1.2.4-Trichlorobenzene	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
1.2.4-Trimethylbenzene	TM116	ug/kg	170	TPL		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
1.2-Dibromo-3-chloropropane	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
1.2-Dibromoethane	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
1.2-Dichloroethane	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
1.2-Dichloropropane	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
1.3.5-Trimethylbenzene	TM116	ug/kg	140	BH101		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
1.3-Dichlorobenzene	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
1.3-Dichloropropane	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
1.4-Dichlorobenzene	TM116	ug/kg	290	TPK		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
2.2-Dichloropropane	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
2-Chlorotoluene	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
4-Chlorotoluene	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
4-Isopropyltoluene	TM116	ug/kg	42	TPL		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Acetaldehyde	TM116	ug/kg	0	TPM		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bromobenzene	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Bromochloromethane	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Bromodichloromethane	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Bromoform	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Bromomethane	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Carbon Disulphide	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Carbontetrachloride	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Chlorobenzene	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Chloroethane	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Chloroform	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Chloromethane	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A

					Location	BH123	BH123	BH125	TPV	TPC	TPC	TPE	TPP	TPQ	TPR	TPS
					Depth to sample	0.5	1.5	0.5	0.5	0.5	1.5	1	0.5	1	0.7	0.8
					Geology	Made Ground	Organic Alluvium	Organic Alluvium	Made Ground	Alluvium	River Terrace Deposits	Made Ground	Alluvium	River Terrace Deposits	Alluvium	River Terrace Deposits
					Relevant Scheme Zone	1A	1A	1B		3C	3C	mp. area (CH)	4C	4C		4C
					Area Description	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.
cis-1-2-Dichloroethene	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
cis-1-3-Dichloropropene	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Dibromochloromethane	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Dibromomethane	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Dichlorodifluoromethane	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Dichloromethane	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Hexachlorobutadiene	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Isopropylbenzene	TM116	ug/kg	27	TPL		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Methyl Tertiary Butyl Ether	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
MTBE	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	0
n-Butylbenzene	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
p/m-Xylene	TM116	ug/kg	150	BH101		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Propylbenzene	TM116	ug/kg	35	TPL		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
sec-Butylbenzene	TM116	ug/kg	40	TPL		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Styrene	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
tert-Butylbenzene	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Tetrachloroethene	TM116	ug/kg	45	TPM	1500	N/A	N/A	N/A	N/A	N/A	N/A	17	N/A	N/A	N/A	N/A
trans-1-2-Dichloroethene	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
trans-1-3-Dichloropropene	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Trichloroethene	TM116	ug/kg	0	TPC	120	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Trichlorofluoromethane	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Vinyl Chloride	TM116	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
1,3-Butandiol	TM124	mg/kg	0	WS115		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Propylene Glycol	TM124	mg/kg	0	BH105		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Triethylene Glycol	TM124	mg/kg	0	BH101		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aldrin	TM144	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A
Alpha-BHC (Lindane)	TM144	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A
Atrazine	TM144	ug/kg	29	BH104		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Beta-BHC (Lindane)	TM144	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A
Chlorothalonil	TM144	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A
cis-Chlordane	TM144	ug/kg	0	TPG		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dieldrin	TM144	ug/kg	250	TPC		N/A	N/A	N/A	N/A	N/A	0	250	N/A	N/A	N/A	N/A
Diethyl phthalate	TM144	ug/kg	590	TPC		N/A	N/A	N/A	N/A	N/A	N/A	590	N/A	N/A	N/A	N/A
Endosulphan I	TM144	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A
Endosulphan II	TM144	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A
Endosulphan sulphate	TM144	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A
Endrin	TM144	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A
Gamma-BHC (Lindane)	TM144	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A
Heptachlor	TM144	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A
Heptachlor Epoxide	TM144	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A
Hexachlorobenzene	TM144	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A
Isodrin	TM144	ug/kg	0	TPF		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
o,p'-DDE	TM144	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A
o,p'-DDT	TM144	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A
o,p'-Methoxychlor	TM144	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A
o,p'-TDE(DDD)	TM144	ug/kg	83	TPC		N/A	N/A	N/A	N/A	N/A	0	83	N/A	N/A	N/A	N/A
o-Xylene	TM144	ug/kg	64	BH101		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
p,p'-DDE	TM144	ug/kg	1	TPF		N/A	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A
p,p'-DDT	TM144	ug/kg	11	TPK		N/A	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A
p,p'-Methoxychlor	TM144	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A
p,p'-TDE(DDD)	TM144	ug/kg	220	TPC		N/A	N/A	N/A	N/A	N/A	0	220	N/A	N/A	N/A	N/A
Pendimethalin	TM144	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A
Permethrin	TM144	mg/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Permethrin I	TM144	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A

					Location	BH123	BH123	BH125	TPV	TPC	TPC	TPE	TPP	TPQ	TPR	TPS
					Depth to sample	0.5	1.5	0.5	0.5	0.5	1.5	1	0.5	1	0.7	0.8
					Geology	Made Ground	Organic Alluvium	Organic Alluvium	Made Ground	Alluvium	River Terrace Deposits	Made Ground	Alluvium	River Terrace Deposits	Alluvium	River Terrace Deposits
					Relevant Scheme Zone	1A	1A	1B		3C	3C	mp. area (CH)	4C	4C		4C
					Area Description	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.
Quintozene (PCNB)	TM144	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A
Tecnazene	TM144	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A
Telodrin	TM144	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A
trans-Chlordane	TM144	ug/kg	0	BH102		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Triadimefon	TM144	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A
Triallate	TM144	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A
Trifluralin	TM144	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A
1 Napthol	TM157	mg/kg	0.71	TPK		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
1,2-Dichlorobenzene	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
1,3-Dichlorobenzene	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
1,4-Dichlorobenzene	TM157	ug/kg	1100	TPK		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
2,4-Dichlorophenol	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
2,4-Dimethylphenol	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
2,4-Dinitrotoluene	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
2,6-Dinitrotoluene	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
2-Chloronaphthalene	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
2-Chlorophenol	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
2-Methylnaphthalene	TM157	ug/kg	2200	TPL		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
2-Methylphenol	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
2-Nitroaniline	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
2-Nitrophenol	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
3-Nitroaniline	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
4-Bromophenylphenylether	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
4-Chloro-3-methylphenol	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
4-Chloroaniline	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
4-Chlorophenylphenylether	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
4-Methylphenol	TM157	ug/kg	790	TPL		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
4-Nitroaniline	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
4-Nitrophenol	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Azobenzene	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Bis(2-chloroethoxy)methane	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Bis(2-chloroethyl)ether	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Bis(2-ethylhexyl) phthalate	TM157	ug/kg	6500	TPL		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Butylbenzyl phthalate	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Carbazole	TM157	ug/kg	1400	TPL		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Dibenzofuran	TM157	ug/kg	2300	TPL		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Dimethyl phthalate	TM157	ug/kg	320	TPC		N/A	N/A	N/A	N/A	N/A	N/A	320	N/A	N/A	N/A	N/A
Di-n-butyl phthalate	TM157	ug/kg	910	TPM		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Di-n-Octyl phthalate	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Hexachlorocyclopentadiene	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Hexachloroethane	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Isophorone	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
N-nitrosodi-n-propylamine	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Pentachlorophenol	TM157	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
1.2-Dichlorobenzene	TM176	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
2,4,5-Trichlorophenol	TM176	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
2,4,6-Trichlorophenol	TM176	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Nitrobenzene	TM176	ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Easily Liberated Sulphide	TM180	mg/kg	1000	TPL		0	0	0	0	0	0	0	0	0	0	0
1,3-Propandiol	TM189	mg/kg	0	BH105		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,4-Butandiol	TM189	mg/kg	0	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCB congener 101	TM197	ug/kg	24	BH113		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCB congener 118	TM197	ug/kg	230	TPL		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCB congener 138	TM197	ug/kg	9	TPM		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

					Location	BH123	BH123	BH125	TPV	TPC	TPC	TPE	TPP	TPQ	TPR	TPS
					Depth to sample	0.5	1.5	0.5	0.5	0.5	1.5	1	0.5	1	0.7	0.8
					Geology	Made Ground	Organic Alluvium	Organic Alluvium	Made Ground	Alluvium	River Terrace Deposits	Made Ground	Alluvium	River Terrace Deposits	Alluvium	River Terrace Deposits
					Relevant Scheme Zone	1A	1A	1B		3C	3C	mp. area (CH)	4C	4C		4C
					Area Description	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.
PCB congener 180	TM197	ug/kg	21	BH101		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCB congener 28	TM197	ug/kg	47	TPF		N/A	N/A	N/A	N/A	N/A	N/A	9	N/A	N/A	N/A	N/A
PCB congener 52	TM197	ug/kg	0	BH104		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total of 7 Congener PCBs	TM197	ug/kg	240	BH110		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cyfluthrin		mg/kg	0	BH113		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cyhalothrin		mg/kg	0	BH110		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cypermethrin		mg/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A
Deltamethrin		mg/kg	0	TPM		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dibutyl Tin		mg/kg	0	BH101		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fenvalerate		mg/kg	0	BH101		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Monoethylene Glycol		mg/kg	0	BH102		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Simazine		ug/kg	0	TPC		N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Tributyl Tin		mg/kg	0	BH102		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

				TPT	TPU	BH102	BH102	BH103	BH104	BH104	BH104	BH105	BH105	TPA	TPA	WSB	WSB
				0.5	0.5	1	2	0.5	1	1.5	4.3	0.25	1.2	0.5	1	0.5	1.5
				Alluvium	Made Ground	Alluvium	Organic Alluvium	Made Ground	Organic Alluvium	River Terrace Deposits	Oxford Clay	Made Ground	Alluvium	Made Ground	Alluvium	Alluvium	Organic Alluvium
				4C	1B	2A	2A	3B	4B	4B	4B	4B	4B	2B	2B	3A	3A
				Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
Chemical name	**Method code**	**Unit**	**max**														
Arsenic	TM129	mg/kg	46	24	16	15	13	10	0	11	N/A	15	17	30	14	23	13
Boron Water Soluble	TM129	mg/kg	26	0	0	0	5.8	0	0	0	N/A	0	0	0	0	0	0
Cadmium	TM129	mg/kg	3.6	0.4	0.4	0	0.5	0	0.3	0	N/A	0	0	0.3	0.3	0.4	0.4
Chromium	TM129	mg/kg	870	48	37	56	36	41	52	11	N/A	16	22	24	58	73	43
Copper	TM129	mg/kg	230	15	55	10	16	16	19	0	N/A	69	9	11	13	21	17
Lead	TM129	mg/kg	6000	32	160	13	7	20	17	7	N/A	23	13	39	44	33	15
Mercury	TM129	mg/kg	1.6	0	1.1	0	0	0	0	0	N/A	0	0.8	0	0.7	0.6	0
Nickel	TM129	mg/kg	640	26	25	34	29	31	31	12	N/A	45	16	23	32	36	31
Selenium	TM129	mg/kg	0	0	0	0	0	0	0	0	N/A	0	0	0	0	0	0
Zinc	TM129	mg/kg	1100	110	240	130	120	100	120	47	N/A	43	66	78	110	170	130
Zinc	TM130	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Free Cyanide	TM153	mg/kg	0	0	0	0	0	0	0	0	N/A	0	0	0	0	0	0
Total Cyanide	TM153	mg/kg	13	0	0	0	0	0	0	0	N/A	0	0	0	0	0	0
Nitrite	TM019	mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Formaldehyde	TM038	mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrite (soluble) as NO2	TM103	mg/kg	26	7.7	4.6	0.2	0.1	4.1	0.3	0.2	N/A	0	0.2	2.8	3.9	1.8	0.2
2.3.5 Trimethyl-Phenol	TM062	mg/kg	#N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
2-Isopropyl Phenol	TM062	mg/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Catechol	TM062	mg/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Cresols	TM062	mg/kg	2.5	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Phenol	TM062	mg/kg	0.15	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Phenols Monohydric	TM062	mg/kg	0.43	N/A	0	0	N/A	0	0	0	N/A	0	0	N/A	0	0	0
Phenols Total of 8 Speciated	TM062	mg/kg	0.32	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Resorcinol	TM062	mg/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Xylenols	TM062	mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Acenaphthene	TM074	ug/kg	6200	130	59	0	95	0	0	23	N/A	28	0	33	0	740	0
Acenaphthylene	TM074	ug/kg	1100	43	520	40	23	0	8	24	N/A	55	11	72	7	220	7
Anthracene	TM074	ug/kg	15000	300	530	14	31	0	0	28	N/A	80	23	140	13	390	20
Benz(a)anthracene	TM074	ug/kg	34000	660	3300	24	39	24	19	61	N/A	170	72	1100	41	690	60
Benzo(a)pyrene	TM074	ug/kg	30000	620	3700	15	26	0	0	39	N/A	91	60	760	24	460	46
Benzo(b)fluoranthene	TM074	ug/kg	26000	800	5200	20	28	24	0	58	N/A	260	72	1100	42	710	54
Benzo(ghi)perylene	TM074	ug/kg	22000	350	2600	26	0	0	0	20	N/A	120	40	410	17	290	41
Benzo(k)fluoranthene	TM074	ug/kg	23000	370	2000	0	0	0	0	0	N/A	130	32	430	0	340	35
Chrysene	TM074	ug/kg	36000	600	3200	13	28	14	0	45	N/A	530	61	940	35	650	51
Dibenzo(ah)anthracene	TM074	ug/kg	9000	97	680	0	0	0	0	0	N/A	51	0	220	0	80	8
Fluoranthene	TM074	ug/kg	84000	1700	5400	34	59	27	0	130	N/A	260	82	1400	31	1600	84
Fluorene	TM074	ug/kg	5600	190	130	410	120	0	47	100	N/A	86	21	93	34	1200	0
Indeno(123cd)pyrene	TM074	ug/kg	20000	310	2100	16	0	0	0	17	N/A	0	24	380	12	260	31
Naphthalene	TM074	ug/kg	10000	1000	250	1500	630	0	310	320	N/A	1400	200	560	180	5400	97
Phenanthrene	TM074	ug/kg	36000	910	2400	440	160	0	97	290	N/A	900	87	470	120	3400	71
Pyrene	TM074	ug/kg	53000	1200	4700	24	48	25	0	100	N/A	240	82	1200	29	1500	74
PAH 16 Total	TM074	ug/kg	390000	9300	37000	2600	1300	110	480	1300	N/A	4400	860	9200	580	18000	680
Aliphatics C5-C6	TM089	ug/kg	0	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aliphatics >C6-C8	TM089	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aliphatics >C8-C10	TM089	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aliphatics >C10-C12	TM089	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aliphatics >C12-C16	TM089	ug/kg	7900	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aliphatics >C16-C21	TM089	ug/kg	140000	N/A	N/A	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aliphatics >C21-C35	TM089	ug/kg	210000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aromatics C6-C7	TM089	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aromatics >C7-C8	TM089	ug/kg	0	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A

				TPT	TPU	BH102	BH102	BH103	BH104	BH104	BH104	BH105	BH105	TPA	TPA	WSB	WSB
				0.5	0.5	1	2	0.5	1	1.5	4.3	0.25	1.2	0.5	1	0.5	1.5
				Alluvium	Made Ground	Alluvium	Organic Alluvium	Made Ground	Organic Alluvium	River Terrace Deposits	Oxford Clay	Made Ground	Alluvium	Made Ground	Alluvium	Alluvium	Organic Alluvium
				4C	1B	2A	2A	3B	4B	4B	4B	4B	4B	2B	2B	3A	3A
				Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
Aromatics >EC8-EC10	TM089	ug/kg	190	N/A	N/A	N/A	190	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A
Aromatics >EC10-EC12	TM089	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aromatics >EC12-EC16	TM089	ug/kg	18000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1800	N/A	N/A	N/A	N/A	N/A
Aromatics >EC16-EC21	TM089	ug/kg	1200000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3300	N/A	N/A	N/A
Aromatics >EC21-EC35	TM089	ug/kg	1200000	N/A	N/A	N/A	66000	N/A	56000	N/A	N/A	N/A	6300	N/A	N/A	N/A	N/A
Total Aliphatics C5-C35	TM089	ug/kg	1800000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2800	N/A	N/A	N/A	N/A
Total Aromatics C6-C35	TM089	ug/kg	3200000	N/A	N/A	19000	67000	N/A	56000	N/A	N/A	12000	N/A	48000	N/A	N/A	N/A
TPH (Aliphatics and Aromatics C5-C35)	TM089	ug/kg	3100000	N/A	N/A	N/A	N/A	N/A	N/A	3200	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH C6-40	TM089	mg/kg	1500	0	110	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	0	140
Benzene	TM089	ug/kg	0	N/A	N/A	0	0	N/A	0	0	N/A	0	0	0	N/A	N/A	N/A
Ethyl benzene	TM089	ug/kg	0	N/A	N/A	0	0	N/A	0	0	N/A	0	0	0	N/A	N/A	N/A
Ethylbenzene	TM089	ug/kg	18	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
GRO (C4-C12)	TM089	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
m & p Xylene	TM089	ug/kg	53	N/A	N/A	0	0	N/A	0	0	N/A	0	0	0	N/A	N/A	N/A
o Xylene	TM089	ug/kg	0	N/A	N/A	0	0	N/A	0	0	N/A	0	0	0	N/A	N/A	N/A
Toluene	TM089	ug/kg	28	N/A	N/A	0	0	N/A	0	0	N/A	0	0	0	N/A	N/A	N/A
Total Organic Carbon	TM090	%	31	2.6	3	0.6	8.2	1.1	4.3	0	N/A	31	0.7	0.9	1.6	1.6	5.2
1,2,4-Trichlorobenzene	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
1.1.1.2-Tetrachloroethane	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1.1.1-Trichloroethane	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1.1.2.2-Tetrachloroethane	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1.1.2-Trichloroethane	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1.1-Dichloroethane	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1.1-Dichloroethene	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1.1-Dichloropropene	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1.2.3-Trichlorobenzene	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1.2.3-Trichloropropane	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1.2.4-Trichlorobenzene	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1.2.4-Trimethylbenzene	TM116	ug/kg	170	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1.2-Dibromo-3-chloropropane	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1.2-Dibromoethane	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1.2-Dichloroethane	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1.2-Dichloropropane	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1.3.5-Trimethylbenzene	TM116	ug/kg	140	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1.3-Dichlorobenzene	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1.3-Dichloropropane	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1.4-Dichlorobenzene	TM116	ug/kg	290	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2.2-Dichloropropane	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2-Chlorotoluene	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4-Chlorotoluene	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4-Isopropyltoluene	TM116	ug/kg	42	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Acetaldehyde	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bromobenzene	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bromochloromethane	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bromodichloromethane	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bromoform	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bromomethane	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Carbon Disulphide	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Carbontetrachloride	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chlorobenzene	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chloroethane	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chloroform	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chloromethane	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

				TPT	TPU	BH102	BH102	BH103	BH104	BH104	BH104	BH105	BH105	TPA	TPA	WSB	WSB
				0.5	0.5	1	2	0.5	1	1.5	4.3	0.25	1.2	0.5	1	0.5	1.5
				Alluvium	Made Ground	Alluvium	Organic Alluvium	Made Ground	Organic Alluvium	River Terrace Deposits	Oxford Clay	Made Ground	Alluvium	Made Ground	Alluvium	Alluvium	Organic Alluvium
				4C	1B	2A	2A	3B	4B	4B	4B	4B	4B	2B	2B	3A	3A
				Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
cis-1-2-Dichloroethene	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
cis-1-3-Dichloropropene	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dibromochloromethane	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dibromomethane	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dichlorodifluoromethane	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dichloromethane	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hexachlorobutadiene	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Isopropylbenzene	TM116	ug/kg	27	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Methyl Tertiary Butyl Ether	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
MTBE	TM116	ug/kg	0	N/A	N/A	0	0	N/A	0	0	N/A	0	0	0	N/A	N/A	N/A
n-Butylbenzene	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
p/m-Xylene	TM116	ug/kg	150	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Propylbenzene	TM116	ug/kg	35	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
sec-Butylbenzene	TM116	ug/kg	40	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Styrene	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
tert-Butylbenzene	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tetrachloroethene	TM116	ug/kg	45	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
trans-1-2-Dichloroethene	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
trans-1-3-Dichloropropene	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Trichloroethene	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Trichlorofluoromethane	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Vinyl Chloride	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,3-Butandiol	TM124	mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Propylene Glycol	TM124	mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Triethylene Glycol	TM124	mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aldrin	TM144	ug/kg	0	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Alpha-BHC (Lindane)	TM144	ug/kg	0	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Atrazine	TM144	ug/kg	29	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	29	0	N/A	N/A	N/A	N/A
Beta-BHC (Lindane)	TM144	ug/kg	0	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chlorothalonil	TM144	ug/kg	0	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
cis-Chlordane	TM144	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dieldrin	TM144	ug/kg	250	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Diethyl phthalate	TM144	ug/kg	590	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Endosulphan I	TM144	ug/kg	0	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Endosulphan II	TM144	ug/kg	0	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Endosulphan sulphate	TM144	ug/kg	0	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Endrin	TM144	ug/kg	0	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gamma-BHC (Lindane)	TM144	ug/kg	0	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Heptachlor	TM144	ug/kg	0	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Heptachlor Epoxide	TM144	ug/kg	0	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hexachlorobenzene	TM144	ug/kg	0	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Isodrin	TM144	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
o,p'-DDE	TM144	ug/kg	0	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
o,p'-DDT	TM144	ug/kg	0	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
o,p'-Methoxychlor	TM144	ug/kg	0	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
o,p'-TDE(DDD)	TM144	ug/kg	83	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
o-Xylene	TM144	ug/kg	64	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
p,p'-DDE	TM144	ug/kg	1	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
p,p'-DDT	TM144	ug/kg	11	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
p,p'-Methoxychlor	TM144	ug/kg	0	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
p,p'-TDE(DDD)	TM144	ug/kg	220	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pendimethalin	TM144	ug/kg	0	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Permethrin	TM144	mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Permethrin I	TM144	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

				TPT	TPU	BH102	BH102	BH103	BH104	BH104	BH104	BH105	BH105	TPA	TPA	WSB	WSB
				0.5	0.5	1	2	0.5	1	1.5	4.3	0.25	1.2	0.5	1	0.5	1.5
				Alluvium	Made Ground	Alluvium	Organic Alluvium	Made Ground	Organic Alluvium	River Terrace Deposits	Oxford Clay	Made Ground	Alluvium	Made Ground	Alluvium	Alluvium	Organic Alluvium
				4C	1B	2A	2A	3B	4B	4B	4B	4B	4B	2B	2B	3A	3A
				Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
Quintozene (PCNB)	TM144	ug/kg	0	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tecnazene	TM144	ug/kg	0	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Telodrin	TM144	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
trans-Chlordane	TM144	ug/kg	0	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Triadimefon	TM144	ug/kg	0	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Triallate	TM144	ug/kg	0	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Trifluralin	TM144	ug/kg	0	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1 Napthol	TM157	mg/kg	0.71	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
1,2-Dichlorobenzene	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
1,3-Dichlorobenzene	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
1,4-Dichlorobenzene	TM157	ug/kg	1100	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
2,4-Dichlorophenol	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
2,4-Dimethylphenol	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
2,4-Dinitrotoluene	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
2,6-Dinitrotoluene	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
2-Chloronaphthalene	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
2-Chlorophenol	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
2-Methylnaphthalene	TM157	ug/kg	2200	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
2-Methylphenol	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
2-Nitroaniline	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
2-Nitrophenol	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
3-Nitroaniline	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
4-Bromophenylphenylether	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
4-Chloro-3-methylphenol	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
4-Chloroaniline	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
4-Chlorophenylphenylether	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
4-Methylphenol	TM157	ug/kg	790	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
4-Nitroaniline	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
4-Nitrophenol	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Azobenzene	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Bis(2-chloroethoxy)methane	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Bis(2-chloroethyl)ether	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Bis(2-ethylhexyl) phthalate	TM157	ug/kg	6500	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Butylbenzyl phthalate	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Carbazole	TM157	ug/kg	1400	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Dibenzofuran	TM157	ug/kg	2300	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Dimethyl phthalate	TM157	ug/kg	320	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Di-n-butyl phthalate	TM157	ug/kg	910	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Di-n-Octyl phthalate	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Hexachlorocyclopentadiene	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Hexachloroethane	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Isophorone	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
N-nitrosodi-n-propylamine	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Pentachlorophenol	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
1.2-Dichlorobenzene	TM176	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2,4,5-Trichlorophenol	TM176	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
2,4,6-Trichlorophenol	TM176	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Nitrobenzene	TM176	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Easily Liberated Sulphide	TM180	mg/kg	1000	0	0	0	65	0	0	0	N/A	23	0	0	0	0	38
1,3-Propandiol	TM189	mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
1,4-Butandiol	TM189	mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCB congener 101	TM197	ug/kg	24	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCB congener 118	TM197	ug/kg	230	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCB congener 138	TM197	ug/kg	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A

				TPT	TPU	BH102	BH102	BH103	BH104	BH104	BH104	BH105	BH105	TPA	TPA	WSB	WSB
				0.5	0.5	1	2	0.5	1	1.5	4.3	0.25	1.2	0.5	1	0.5	1.5
				Alluvium	Made Ground	Alluvium	Organic Alluvium	Made Ground	Organic Alluvium	River Terrace Deposits	Oxford Clay	Made Ground	Alluvium	Made Ground	Alluvium	Alluvium	Organic Alluvium
				4C	1B	2A	2A	3B	4B	4B	4B	4B	4B	2B	2B	3A	3A
				Adj. Area N of Botley Rd.	Adj. Area N of Botley Rd.	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
PCB congener 180	TM197	ug/kg	21	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCB congener 28	TM197	ug/kg	47	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCB congener 52	TM197	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total of 7 Congener PCBs	TM197	ug/kg	240	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cyfluthrin		mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cyhalothrin		mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cypermethrin		mg/kg	0	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Deltamethrin		mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dibutyl Tin		mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fenvalerate		mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Monoethylene Glycol		mg/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A
Simazine		ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A
Tributyl Tin		mg/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Chemical name	Method code	Unit	max	BH101 1.5 Made Ground 2A Adj. Main Channel (BR-OAR)	BH101 2.5 Organic Alluvium 2A Adj. Main Channel (BR-OAR)	BH107 1.5 Made Ground 4D Kennington Road (W) Landfill	BH107 2 Alluvium 4D Kennington Road (W) Landfill	BH109 1 Made Ground 4D Kennington Rd. (E) Landfill	BH110 1 Made Ground 4D Kennington Rd. (E) Landfill	TPF 1 Made Ground 4D Kennington Rd. (W) Landfill	TPF 2.5 Made Ground 4D Kennington Rd. (W) Landfill	TPG 1 Made Ground 4D Kennington Rd. (E) Landfill	BH112 1 Made Ground 4G Redbridge Landfill	BH113 1.5 Made Ground 4H Redbridge Landfill	TPK 2 Made Ground 4G Redbridge Landfill	TPL 1.5 Made Ground 4G Redbridge Landfill	TPL 3 Alluvium 4G Redbridge Landfill
Arsenic	TM129	mg/kg	46	15	8	46	15	13	9	28	24	24	18	21	28	14	16
Boron Water Soluble	TM129	mg/kg	26	0	0	26	4	0	6.3	0	0	0	0	0	11	5.4	5.2
Cadmium	TM129	mg/kg	3.6	0.6	0	1.8	0	2	0.4	1.4	0.4	0.9	0.4	0.3	3.6	0.8	0.9
Chromium	TM129	mg/kg	870	29	39	820	30	21	14	870	17	24	11	18	24	13	26
Copper	TM129	mg/kg	230	41	17	220	19	44	18	230	19	210	15	24	210	41	92
Lead	TM129	mg/kg	6000	180	24	6000	86	130	25	180	83	150	91	190	260	120	430
Mercury	TM129	mg/kg	1.6	0	0	0	0	0.8	1.4	1	0	0	0	0	0	0	0
Nickel	TM129	mg/kg	640	26	29	120	25	18	13	640	17	49	12	17	42	12	31
Selenium	TM129	mg/kg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zinc	TM129	mg/kg	1100	330	92	540	79	370	100	780	100	320	120	95	580	1100	250
Zinc	TM130	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Free Cyanide	TM153	mg/kg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cyanide	TM153	mg/kg	13	0	0	7	0	3	0	0	0	5	0	0	6	3	5
Nitrite	TM019	mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Formaldehyde	TM038	mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrite (soluble) as NO2	TM103	mg/kg	26	9.7	0.6	1.6	0.3	26	0.3	6	1.6	1.1	0.4	0.3	0.1	0	0.2
2.3.5 Trimethyl-Phenol	TM062	mg/kg	#N/A	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
2-Isopropyl Phenol	TM062	mg/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Catechol	TM062	mg/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Cresols	TM062	mg/kg	2.5	N/A	N/A	0.32	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	2.5
Phenol	TM062	mg/kg	0.15	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0.15
Phenols Monohydric	TM062	mg/kg	0.43	0	N/A	N/A	0	0	0	N/A	N/A	N/A	0	0	N/A	0.43	N/A
Phenols Total of 8 Speciated	TM062	mg/kg	0.32	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	0.32	N/A	N/A
Resorcinol	TM062	mg/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Xylenols	TM062	mg/kg	0	N/A	0	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Acenaphthene	TM074	ug/kg	6200	240	170	100	32	53	38	100	700	0	540	1000	220	6200	4500
Acenaphthylene	TM074	ug/kg	1100	590	130	110	39	60	65	130	180	11	450	140	50	220	1100
Anthracene	TM074	ug/kg	15000	340	24	840	65	90	72	240	2300	32	1000	1500	630	2800	7600
Benz(a)anthracene	TM074	ug/kg	34000	2000	39	1500	130	220	130	550	5800	180	2800	2300	1600	1300	7600
Benzo(a)pyrene	TM074	ug/kg	30000	2300	18	800	98	190	120	560	5400	110	4300	2100	1100	1500	6300
Benzo(b)fluoranthene	TM074	ug/kg	26000	2800	17	1500	150	370	240	800	7500	240	5200	1700	2900	1800	6000
Benzo(ghi)perylene	TM074	ug/kg	22000	1800	18	680	58	160	110	420	3800	120	3900	1300	920	1000	4100
Benzo(k)fluoranthene	TM074	ug/kg	23000	1600	0	650	67	110	58	280	2400	72	2400	1100	380	840	5300
Chrysene	TM074	ug/kg	36000	2300	24	1600	120	240	440	720	6100	220	3300	2300	1700	2200	7100
Dibenzo(ah)anthracene	TM074	ug/kg	9000	540	0	270	12	45	0	130	1100	0	1500	400	230	450	1800
Fluoranthene	TM074	ug/kg	84000	3900	58	3000	220	300	300	1300	13000	240	5800	5700	3800	7800	25000
Fluorene	TM074	ug/kg	5600	610	550	500	48	96	120	150	710	0	740	1100	250	2100	5600
Indeno(123cd)pyrene	TM074	ug/kg	20000	1500	11	180	47	120	67	370	3300	72	3200	1100	700	970	3800
Naphthalene	TM074	ug/kg	10000	10000	7400	900	350	940	690	540	65	170	3600	5100	660	3100	1700
Phenanthrene	TM074	ug/kg	36000	1500	440	6000	220	420	470	900	7900	150	3200	6400	2500	4800	34000
Pyrene	TM074	ug/kg	53000	3500	54	2300	180	270	330	1100	9700	210	5500	4700	3300	5700	19000
PAH 16 Total	TM074	ug/kg	390000	36000	9000	21000	1800	3700	3200	8400	71000	1800	47000	38000	21000	43000	140000
Aliphatics C5-C6	TM089	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aliphatics >C6-C8	TM089	ug/kg	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0
Aliphatics >C8-C10	TM089	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
Aliphatics >C10-C12	TM089	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A
Aliphatics >C12-C16	TM089	ug/kg	7900	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2500	N/A	2900	N/A	N/A	N/A	N/A
Aliphatics >C16-C21	TM089	ug/kg	140000	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	140000	N/A
Aliphatics >C21-C35	TM089	ug/kg	210000	59000	N/A	N/A	3600	N/A	N/A	N/A	N/A	210000	N/A	N/A	N/A	N/A	N/A
Aromatics C6-C7	TM089	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aromatics >C7-C8	TM089	ug/kg	0	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

				BH101	BH101	BH107	BH107	BH109	BH110	TPF	TPF	TPG	BH112	BH113	TPK	TPL	TPL
				1.5	2.5	1.5	2	1	1	1	2.5	1	1	1.5	2	1.5	3
				Made Ground	Organic Alluvium	Made Ground	Alluvium	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Alluvium
				2A	2A	4D	4D	4D	4D	4D	4D	4D	4G	4H	4G	4G	4G
				Adj. Main Channel (BR-OAR)	Adj. Main Channel (BR-OAR)	Kennington Road (W) Landfill	Kennington Road (W) Landfill	Kennington Rd. (E) Landfill	Kennington Rd. (E) Landfill	Kennington Rd. (W) Landfill	Kennington Rd. (W) Landfill	Kennington Rd. (E) Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill
Aromatics >EC8-EC10	TM089	ug/kg	190	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
Aromatics >EC10-EC12	TM089	ug/kg	0	N/A	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aromatics >EC12-EC16	TM089	ug/kg	18000	N/A	N/A	N/A	N/A	2000	0	2300	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aromatics >EC16-EC21	TM089	ug/kg	1200000	N/A	N/A	1200000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9000	21000	N/A	N/A
Aromatics >EC21-EC35	TM089	ug/kg	1200000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1200000
Total Aliphatics C5-C35	TM089	ug/kg	1800000	74000	N/A	N/A	3600	210000	640000	530000	N/A	260000	1800000	N/A	N/A	N/A	N/A
Total Aromatics C6-C35	TM089	ug/kg	3200000	N/A	37000	3200000	N/A	N/A	N/A	N/A	200000	N/A	N/A	N/A	N/A	N/A	N/A
TPH (Aliphatics and Aromatics C5-C35)	TM089	ug/kg	3100000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	55000	810000	1500000	3100000
TPH C6-40	TM089	mg/kg	1500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzene	TM089	ug/kg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ethyl benzene	TM089	ug/kg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ethylbenzene	TM089	ug/kg	18	N/A	0	18	N/A	N/A	0	0	0	0	0	N/A	0	0	0
GRO (C4-C12)	TM089	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A
m & p Xylene	TM089	ug/kg	53	0	0	53	0	0	0	0	0	0	0	0	0	0	0
o Xylene	TM089	ug/kg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Toluene	TM089	ug/kg	28	0	0	15	0	0	0	0	0	0	0	0	0	0	0
Total Organic Carbon	TM090	%	31	2.9	1.1	19	1.4	3.2	4.9	2.6	1.1	12	1.9	0.8	16	12	11
1,2,4-Trichlorobenzene	TM116	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
1.1.1.2-Tetrachloroethane	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
1.1.1-Trichloroethane	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
1.1.2.2-Tetrachloroethane	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
1.1.2-Trichloroethane	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
1.1-Dichloroethane	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
1.1-Dichloroethene	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
1.1-Dichloropropene	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
1.2.3-Trichlorobenzene	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
1.2.3-Trichloropropane	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
1.2.4-Trichlorobenzene	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
1.2.4-Trimethylbenzene	TM116	ug/kg	170	N/A	N/A	120	N/A	N/A	0	0	0	0	0	N/A	0	75	170
1.2-Dibromo-3-chloropropane	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
1.2-Dibromoethane	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
1.2-Dichloroethane	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
1.2-Dichloropropane	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
1.3.5-Trimethylbenzene	TM116	ug/kg	140	N/A	N/A	140	N/A	N/A	0	0	0	0	0	N/A	0	100	22
1.3-Dichlorobenzene	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
1.3-Dichloropropane	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
1.4-Dichlorobenzene	TM116	ug/kg	290	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	290	120
2.2-Dichloropropane	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
2-Chlorotoluene	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
4-Chlorotoluene	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
4-Isopropyltoluene	TM116	ug/kg	42	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	35	42
Acetaldehyde	TM116	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bromobenzene	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Bromochloromethane	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Bromodichloromethane	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Bromoform	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Bromomethane	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Carbon Disulphide	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Carbontetrachloride	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Chlorobenzene	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Chloroethane	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Chloroform	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Chloromethane	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0

				BH101	BH101	BH107	BH107	BH109	BH110	TPF	TPF	TPG	BH112	BH113	TPK	TPL	TPL
				1.5	2.5	1.5	2	1	1	1	2.5	1	1	1.5	2	1.5	3
				Made Ground	Organic Alluvium	Made Ground	Alluvium	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Alluvium
				2A	2A	4D	4D	4D	4D	4D	4D	4D	4G	4H	4G	4G	4G
				Adj. Main Channel (BR-OAR)	Adj. Main Channel (BR-OAR)	Kennington Road (W) Landfill	Kennington Road (W) Landfill	Kennington Rd. (E) Landfill	Kennington Rd. (E) Landfill	Kennington Rd. (W) Landfill	Kennington Rd. (W) Landfill	Kennington Rd. (E) Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill
cis-1-2-Dichloroethene	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
cis-1-3-Dichloropropene	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Dibromochloromethane	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Dibromomethane	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Dichlorodifluoromethane	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Dichloromethane	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Hexachlorobutadiene	TM116	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Isopropylbenzene	TM116	ug/kg	27	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	19	27
Methyl Tertiary Butyl Ether	TM116	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
MTBE	TM116	ug/kg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
n-Butylbenzene	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
p/m-Xylene	TM116	ug/kg	150	N/A	0	150	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Propylbenzene	TM116	ug/kg	35	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	25	35
sec-Butylbenzene	TM116	ug/kg	40	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	25	40
Styrene	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
tert-Butylbenzene	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Tetrachloroethene	TM116	ug/kg	45	N/A	N/A	0	N/A	N/A	0	7	0	0	0	N/A	0	0	0
trans-1-2-Dichloroethene	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
trans-1-3-Dichloropropene	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Trichloroethene	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Trichlorofluoromethane	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Vinyl Chloride	TM116	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
1,3-Butandiol	TM124	mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Propylene Glycol	TM124	mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Triethylene Glycol	TM124	mg/kg	0	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aldrin	TM144	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Alpha-BHC (Lindane)	TM144	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Atrazine	TM144	ug/kg	29	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Beta-BHC (Lindane)	TM144	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Chlorothalonil	TM144	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
cis-Chlordane	TM144	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Dieldrin	TM144	ug/kg	250	N/A	N/A	0	N/A	N/A	0	0	0	7	0	N/A	0	0	0
Diethyl phthalate	TM144	ug/kg	590	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Endosulphan I	TM144	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Endosulphan II	TM144	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Endosulphan sulphate	TM144	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Endrin	TM144	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Gamma-BHC (Lindane)	TM144	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Heptachlor	TM144	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Heptachlor Epoxide	TM144	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Hexachlorobenzene	TM144	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Isodrin	TM144	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A
o,p'-DDE	TM144	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
o,p'-DDT	TM144	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
o,p'-Methoxychlor	TM144	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
o,p'-TDE(DDD)	TM144	ug/kg	83	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	11	0
o-Xylene	TM144	ug/kg	64	N/A	0	64	N/A	N/A	0	0	0	0	0	N/A	0	22	0
p,p'-DDE	TM144	ug/kg	1	N/A	N/A	0	N/A	N/A	0	0	0	1	0	N/A	0	0	0
p,p'-DDT	TM144	ug/kg	11	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	11	0
p,p'-Methoxychlor	TM144	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
p,p'-TDE(DDD)	TM144	ug/kg	220	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	21	0
Pendimethalin	TM144	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Permethrin	TM144	mg/kg	0	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Permethrin I	TM144	ug/kg	0	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	0	N/A	0

				BH101	BH101	BH107	BH107	BH109	BH110	TPF	TPF	TPG	BH112	BH113	TPK	TPL	TPL
				1.5	2.5	1.5	2	1	1	1	2.5	1	1	1.5	2	1.5	3
				Made Ground	Organic Alluvium	Made Ground	Alluvium	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Alluvium
				2A	2A	4D	4D	4D	4D	4D	4D	4D	4G	4H	4G	4G	4G
				Adj. Main Channel (BR-OAR)	Adj. Main Channel (BR-OAR)	Kennington Road (W) Landfill	Kennington Road (W) Landfill	Kennington Rd. (E) Landfill	Kennington Rd. (E) Landfill	Kennington Rd. (W) Landfill	Kennington Rd. (W) Landfill	Kennington Rd. (E) Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill
Quintozene (PCNB)	TM144	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Tecnazene	TM144	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Telodrin	TM144	ug/kg	0	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A
trans-Chlordane	TM144	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Triadimefon	TM144	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Triallate	TM144	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Trifluralin	TM144	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
1 Napthol	TM157	mg/kg	0.71	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0.71	0
1,2-Dichlorobenzene	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
1,3-Dichlorobenzene	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
1,4-Dichlorobenzene	TM157	ug/kg	1100	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	1100	0
2,4-Dichlorophenol	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
2,4-Dimethylphenol	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
2,4-Dinitrotoluene	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
2,6-Dinitrotoluene	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
2-Chloronaphthalene	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
2-Chlorophenol	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
2-Methylnaphthalene	TM157	ug/kg	2200	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	170	2200
2-Methylphenol	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
2-Nitroaniline	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
2-Nitrophenol	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
3-Nitroaniline	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
4-Bromophenylphenylether	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
4-Chloro-3-methylphenol	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
4-Chloroaniline	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
4-Chlorophenylphenylether	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
4-Methylphenol	TM157	ug/kg	790	N/A	0	580	N/A	N/A	0	0	0	0	0	N/A	0	390	790
4-Nitroaniline	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
4-Nitrophenol	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Azobenzene	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Bis(2-chloroethoxy)methane	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Bis(2-chloroethyl)ether	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Bis(2-ethylhexyl) phthalate	TM157	ug/kg	6500	N/A	0	1800	N/A	N/A	0	850	0	0	0	N/A	0	0	6500
Butylbenzyl phthalate	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Carbazole	TM157	ug/kg	1400	N/A	0	160	N/A	N/A	0	0	0	0	140	N/A	0	220	1400
Dibenzofuran	TM157	ug/kg	2300	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	160	2300
Dimethyl phthalate	TM157	ug/kg	320	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Di-n-butyl phthalate	TM157	ug/kg	910	N/A	0	860	N/A	N/A	190	400	0	0	0	N/A	190	450	750
Di-n-Octyl phthalate	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Hexachlorocyclopentadiene	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Hexachloroethane	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Isophorone	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
N-nitrosodi-n-propylamine	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Pentachlorophenol	TM157	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
1.2-Dichlorobenzene	TM176	ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
2,4,5-Trichlorophenol	TM176	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
2,4,6-Trichlorophenol	TM176	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Nitrobenzene	TM176	ug/kg	0	N/A	0	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Easily Liberated Sulphide	TM180	mg/kg	1000	0	0	140	0	0	0	490	0	0	42	0	89	220	1000
1,3-Propandiol	TM189	mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,4-Butandiol	TM189	mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCB congener 101	TM197	ug/kg	24	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	24	17	N/A
PCB congener 118	TM197	ug/kg	230	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	0	N/A	N/A	N/A	230
PCB congener 138	TM197	ug/kg	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

				BH101	BH101	BH107	BH107	BH109	BH110	TPF	TPF	TPG	BH112	BH113	TPK	TPL	TPL
				1.5	2.5	1.5	2	1	1	1	2.5	1	1	1.5	2	1.5	3
				Made Ground	Organic Alluvium	Made Ground	Alluvium	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Alluvium
				2A	2A	4D	4D	4D	4D	4D	4D	4D	4G	4H	4G	4G	4G
				Adj. Main Channel (BR-OAR)	Adj. Main Channel (BR-OAR)	Kennington Road (W) Landfill	Kennington Road (W) Landfill	Kennington Rd. (E) Landfill	Kennington Rd. (E) Landfill	Kennington Rd. (W) Landfill	Kennington Rd. (W) Landfill	Kennington Rd. (E) Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill
PCB congener 180	TM197	ug/kg	21	N/A	N/A	21	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCB congener 28	TM197	ug/kg	47	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	47	N/A	N/A	N/A	N/A	N/A
PCB congener 52	TM197	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total of 7 Congener PCBs	TM197	ug/kg	240	N/A	N/A	N/A	N/A	N/A	N/A	240	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cyfluthrin		mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	N/A
Cyhalothrin		mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	0
Cypermethrin		mg/kg	0	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Deltamethrin		mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dibutyl Tin		mg/kg	0	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fenvalerate		mg/kg	0	N/A	0	N/A	N/A	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A
Monoethylene Glycol		mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Simazine		ug/kg	0	N/A	N/A	0	N/A	N/A	0	0	0	0	0	N/A	0	0	0
Tributyl Tin		mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

				BH114	TPM	TPM	BH106	BH106	WSJA	WSJA	WSN	WSN	WSO	WSO
				2.5	0.5	2.5	1	1.75	0.5	2.5	0.6	1.5	0.6	2
				Made Ground	Made Ground	River Terrace Deposits	Made Ground	Organic Alluvium	Made Ground	Made Ground	Alluvium	Alluvium	Alluvium	River Terrace Deposits
				4H	4E	4E	Temp. area (CH)	Temp. area (CH)	4G	4G	N/A	N/A	N/A	N/A
				Redbridge Landfill	A423 Culvert (W)	A423 Culvert (W)	Cold Harbour Landfill	Cold Harbour Landfill	Adj. Redbridge Recycling	Adj. Redbridge Recycling	Outside scheme (Kenn.)	Outside scheme (Kenn.)	Outside scheme (Kenn.)	Outside scheme (Kenn.)
Chemical name	**Method code**	**Unit**	**max**											
Arsenic	TM129	mg/kg	46	8	26	0	23	15	20	25	19	32	19	14
Boron Water Soluble	TM129	mg/kg	26	0	0	0	7.3	6.7	0	0	0	0	0	0
Cadmium	TM129	mg/kg	3.6	0.4	0	0	2.3	1	0.4	0.5	0	0.4	0.5	0
Chromium	TM129	mg/kg	870	26	33	11	55	55	21	25	46	65	74	60
Copper	TM129	mg/kg	230	22	7	0	190	33	25	25	16	24	16	42
Lead	TM129	mg/kg	6000	130	16	10	2900	45	110	170	44	18	26	16
Mercury	TM129	mg/kg	1.6	0.6	0	0	1.6	0	0	1.1	0	0.6	0	0.7
Nickel	TM129	mg/kg	640	9.9	16	8.7	56	34	20	18	28	43	40	46
Selenium	TM129	mg/kg	0	0	0	0	0	0	0	0	0	0	0	0
Zinc	TM129	mg/kg	1100	170	56	33	790	230	130	140	120	220	150	64
Zinc	TM130	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Free Cyanide	TM153	mg/kg	0	0	0	0	0	0	0	0	0	0	0	0
Total Cyanide	TM153	mg/kg	13	3	0	0	13	0	0	0	0	0	0	0
Nitrite	TM019	mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Formaldehyde	TM038	mg/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrite (soluble) as NO2	TM103	mg/kg	26	0	3.2	0.2	1.3	0.2	2	0.7	0.8	0.1	12	0
2.3.5 Trimethyl-Phenol	TM062	mg/kg	#N/A	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
2-Isopropyl Phenol	TM062	mg/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
Catechol	TM062	mg/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
Cresols	TM062	mg/kg	2.5	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Phenol	TM062	mg/kg	0.15	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
Phenols Monohydric	TM062	mg/kg	0.43	0	0	0	N/A	0	N/A	0	0	0	N/A	0
Phenols Total of 8 Speciated	TM062	mg/kg	0.32	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A
Resorcinol	TM062	mg/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
Xylenols	TM062	mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A
Acenaphthene	TM074	ug/kg	6200	390	1800	0	300	16	38	2400	40	0	0	0
Acenaphthylene	TM074	ug/kg	1100	120	570	11	550	14	190	1700	67	0	0	0
Anthracene	TM074	ug/kg	15000	660	15000	17	310	14	300	14000	270	0	0	0
Benz(a)anthracene	TM074	ug/kg	34000	1300	34000	62	1500	110	1100	24000	810	24	47	18
Benzo(a)pyrene	TM074	ug/kg	30000	1200	30000	38	1400	75	1200	20000	710	0	40	0
Benzo(b)fluoranthene	TM074	ug/kg	26000	1900	26000	59	1900	110	1300	29000	750	0	50	0
Benzo(ghi)perylene	TM074	ug/kg	22000	800	22000	26	1200	68	890	12000	460	0	35	0
Benzo(k)fluoranthene	TM074	ug/kg	23000	680	23000	0	1300	73	750	14000	500	0	31	0
Chrysene	TM074	ug/kg	36000	1400	36000	43	1700	110	1100	25000	720	11	43	0
Dibenzo(ah)anthracene	TM074	ug/kg	9000	230	9000	0	400	23	250	3600	120	0	0	0
Fluoranthene	TM074	ug/kg	84000	3200	84000	100	2700	150	2000	65000	1800	0	58	0
Fluorene	TM074	ug/kg	5600	450	2600	0	480	55	77	4400	59	0	0	21
Indeno(123cd)pyrene	TM074	ug/kg	20000	610	20000	22	840	51	730	11000	370	0	26	0
Naphthalene	TM074	ug/kg	10000	1100	130	0	9800	790	59	3300	38	0	0	2800
Phenanthrene	TM074	ug/kg	36000	2500	36000	72	1500	130	1100	47000	1100	21	33	62
Pyrene	TM074	ug/kg	53000	2600	53000	86	2100	120	1600	45000	1500	0	47	0
PAH 16 Total	TM074	ug/kg	390000	19000	390000	540	28000	1900	13000	320000	9300	56	410	2900
Aliphatics C5-C6	TM089	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aliphatics >C6-C8	TM089	ug/kg	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aliphatics >C8-C10	TM089	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aliphatics >C10-C12	TM089	ug/kg	0	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A
Aliphatics >C12-C16	TM089	ug/kg	7900	7900	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A
Aliphatics >C16-C21	TM089	ug/kg	140000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aliphatics >C21-C35	TM089	ug/kg	210000	N/A	N/A	N/A	190000	15000	N/A	59000	N/A	N/A	N/A	N/A
Aromatics C6-C7	TM089	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aromatics >C7-C8	TM089	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

				BH114	TPM	TPM	BH106	BH106	WSJA	WSJA	WSN	WSN	WSO	WSO
				2.5	0.5	2.5	1	1.75	0.5	2.5	0.6	1.5	0.6	2
				Made Ground	Made Ground	River Terrace Deposits	Made Ground	Organic Alluvium	Made Ground	Made Ground	Alluvium	Alluvium	Alluvium	River Terrace Deposits
				4H	4E	4E	Temp. area (CH)	Temp. area (CH)	4G	4G	N/A	N/A	N/A	N/A
				Redbridge Landfill	A423 Culvert (W)	A423 Culvert (W)	Cold Harbour Landfill	Cold Harbour Landfill	Adj. Redbridge Recycling	Adj. Redbridge Recycling	Outside scheme (Kenn.)	Outside scheme (Kenn.)	Outside scheme (Kenn.)	Outside scheme (Kenn.)
Aromatics >EC8-EC10	TM089	ug/kg	190	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
Aromatics >EC10-EC12	TM089	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
Aromatics >EC12-EC16	TM089	ug/kg	18000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aromatics >EC16-EC21	TM089	ug/kg	1200000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aromatics >EC21-EC35	TM089	ug/kg	1200000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Aliphatics C5-C35	TM089	ug/kg	1800000	N/A	N/A	N/A	N/A	16000	5300	N/A	N/A	N/A	N/A	N/A
Total Aromatics C6-C35	TM089	ug/kg	3200000	140000	N/A	N/A	200000	N/A	N/A	730000	N/A	N/A	N/A	N/A
TPH (Aliphatics and Aromatics C5-C35)	TM089	ug/kg	3100000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH C6-40	TM089	mg/kg	1500	N/A	1500	0	N/A	N/A	N/A	N/A	0	0	0	620
Benzene	TM089	ug/kg	0	0	N/A	N/A	0	0	0	0	0	N/A	N/A	N/A
Ethyl benzene	TM089	ug/kg	0	0	N/A	N/A	0	0	0	0	N/A	N/A	N/A	N/A
Ethylbenzene	TM089	ug/kg	18	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	N/A	N/A
GRO (C4-C12)	TM089	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
m & p Xylene	TM089	ug/kg	53	0	N/A	N/A	0	0	0	0	N/A	N/A	N/A	N/A
o Xylene	TM089	ug/kg	0	0	N/A	N/A	0	0	0	0	N/A	N/A	N/A	N/A
Toluene	TM089	ug/kg	28	0	N/A	N/A	28	0	0	0	0	N/A	N/A	N/A
Total Organic Carbon	TM090	%	31	2.4	0.9	0.5	22	1.1	1.7	1.7	1.2	1.2	1.5	4.7
1,2,4-Trichlorobenzene	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
1.1.1.2-Tetrachloroethane	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
1.1.1-Trichloroethane	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
1.1.2.2-Tetrachloroethane	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
1.1.2-Trichloroethane	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
1.1-Dichloroethane	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
1.1-Dichloroethene	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
1.1-Dichloropropene	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
1.2.3-Trichlorobenzene	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
1.2.3-Trichloropropane	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
1.2.4-Trichlorobenzene	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
1.2.4-Trimethylbenzene	TM116	ug/kg	170	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
1.2-Dibromo-3-chloropropane	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
1.2-Dibromoethane	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
1.2-Dichloroethane	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
1.2-Dichloropropane	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
1.3.5-Trimethylbenzene	TM116	ug/kg	140	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
1.3-Dichlorobenzene	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
1.3-Dichloropropane	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
1.4-Dichlorobenzene	TM116	ug/kg	290	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
2.2-Dichloropropane	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
2-Chlorotoluene	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
4-Chlorotoluene	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
4-Isopropyltoluene	TM116	ug/kg	42	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
Acetaldehyde	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bromobenzene	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
Bromochloromethane	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
Bromodichloromethane	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
Bromoform	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
Bromomethane	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
Carbon Disulphide	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
Carbontetrachloride	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
Chlorobenzene	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
Chloroethane	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
Chloroform	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
Chloromethane	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A

				BH114	TPM	TPM	BH106	BH106	WSJA	WSJA	WSN	WSN	WSO	WSO
				2.5	0.5	2.5	1	1.75	0.5	2.5	0.6	1.5	0.6	2
				Made Ground	Made Ground	River Terrace Deposits	Made Ground	Organic Alluvium	Made Ground	Made Ground	Alluvium	Alluvium	Alluvium	River Terrace Deposits
				4H	4E	4E	Temp. area (CH)	Temp. area (CH)	4G	4G	N/A	N/A	N/A	N/A
				Redbridge Landfill	A423 Culvert (W)	A423 Culvert (W)	Cold Harbour Landfill	Cold Harbour Landfill	Adj. Redbridge Recycling	Adj. Redbridge Recycling	Outside scheme (Kenn.)	Outside scheme (Kenn.)	Outside scheme (Kenn.)	Outside scheme (Kenn.)
cis-1-2-Dichloroethene	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
cis-1-3-Dichloropropene	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
Dibromochloromethane	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
Dibromomethane	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
Dichlorodifluoromethane	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
Dichloromethane	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
Hexachlorobutadiene	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Isopropylbenzene	TM116	ug/kg	27	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
Methyl Tertiary Butyl Ether	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	N/A	N/A
MTBE	TM116	ug/kg	0	0	N/A	N/A	0	0	0	0	N/A	N/A	N/A	N/A
n-Butylbenzene	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
p/m-Xylene	TM116	ug/kg	150	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	N/A	N/A
Propylbenzene	TM116	ug/kg	35	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
sec-Butylbenzene	TM116	ug/kg	40	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
Styrene	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
tert-Butylbenzene	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
Tetrachloroethene	TM116	ug/kg	45	N/A	N/A	N/A	45	N/A	0	N/A	N/A	N/A	N/A	N/A
trans-1-2-Dichloroethene	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
trans-1-3-Dichloropropene	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
Trichloroethene	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
Trichlorofluoromethane	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
Vinyl Chloride	TM116	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
1,3-Butandiol	TM124	mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Propylene Glycol	TM124	mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Triethylene Glycol	TM124	mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aldrin	TM144	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
Alpha-BHC (Lindane)	TM144	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
Atrazine	TM144	ug/kg	29	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	N/A	N/A
Beta-BHC (Lindane)	TM144	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
Chlorothalonil	TM144	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
cis-Chlordane	TM144	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dieldrin	TM144	ug/kg	250	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
Diethyl phthalate	TM144	ug/kg	590	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Endosulphan I	TM144	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
Endosulphan II	TM144	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
Endosulphan sulphate	TM144	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
Endrin	TM144	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
Gamma-BHC (Lindane)	TM144	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
Heptachlor	TM144	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
Heptachlor Epoxide	TM144	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
Hexachlorobenzene	TM144	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Isodrin	TM144	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A
o,p'-DDE	TM144	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
o,p'-DDT	TM144	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
o,p'-Methoxychlor	TM144	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
o,p'-TDE(DDD)	TM144	ug/kg	83	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
o-Xylene	TM144	ug/kg	64	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	N/A	N/A
p,p'-DDE	TM144	ug/kg	1	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
p,p'-DDT	TM144	ug/kg	11	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
p,p'-Methoxychlor	TM144	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
p,p'-TDE(DDD)	TM144	ug/kg	220	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
Pendimethalin	TM144	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
Permethrin	TM144	mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Permethrin I	TM144	ug/kg	0	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A

				BH114	TPM	TPM	BH106	BH106	WSJA	WSJA	WSN	WSN	WSO	WSO
				2.5	0.5	2.5	1	1.75	0.5	2.5	0.6	1.5	0.6	2
				Made Ground	Made Ground	River Terrace Deposits	Made Ground	Organic Alluvium	Made Ground	Made Ground	Alluvium	Alluvium	Alluvium	River Terrace Deposits
				4H	4E	4E	Temp. area (CH)	Temp. area (CH)	4G	4G	N/A	N/A	N/A	N/A
				Redbridge Landfill	A423 Culvert (W)	A423 Culvert (W)	Cold Harbour Landfill	Cold Harbour Landfill	Adj. Redbridge Recycling	Adj. Redbridge Recycling	Outside scheme (Kenn.)	Outside scheme (Kenn.)	Outside scheme (Kenn.)	Outside scheme (Kenn.)
Quintozene (PCNB)	TM144	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
Tecnazene	TM144	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
Telodrin	TM144	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
trans-Chlordane	TM144	ug/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Triadimefon	TM144	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
Triallate	TM144	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
Trifluralin	TM144	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
1 Napthol	TM157	mg/kg	0.71	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	0	N/A
1,2-Dichlorobenzene	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
1,3-Dichlorobenzene	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
1,4-Dichlorobenzene	TM157	ug/kg	1100	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
2,4-Dichlorophenol	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
2,4-Dimethylphenol	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
2,4-Dinitrotoluene	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
2,6-Dinitrotoluene	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
2-Chloronaphthalene	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
2-Chlorophenol	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
2-Methylnaphthalene	TM157	ug/kg	2200	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
2-Methylphenol	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
2-Nitroaniline	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
2-Nitrophenol	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
3-Nitroaniline	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
4-Bromophenylphenylether	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
4-Chloro-3-methylphenol	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
4-Chloroaniline	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
4-Chlorophenylphenylether	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
4-Methylphenol	TM157	ug/kg	790	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
4-Nitroaniline	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
4-Nitrophenol	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Azobenzene	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Bis(2-chloroethoxy)methane	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Bis(2-chloroethyl)ether	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Bis(2-ethylhexyl) phthalate	TM157	ug/kg	6500	N/A	N/A	N/A	650	N/A	0	N/A	0	N/A	0	N/A
Butylbenzyl phthalate	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Carbazole	TM157	ug/kg	1400	N/A	N/A	N/A	360	N/A	0	N/A	0	N/A	0	N/A
Dibenzofuran	TM157	ug/kg	2300	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Dimethyl phthalate	TM157	ug/kg	320	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Di-n-butyl phthalate	TM157	ug/kg	910	N/A	N/A	N/A	910	N/A	0	N/A	0	N/A	0	N/A
Di-n-Octyl phthalate	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Hexachlorocyclopentadiene	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Hexachloroethane	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Isophorone	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
N-nitrosodi-n-propylamine	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Pentachlorophenol	TM157	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
1.2-Dichlorobenzene	TM176	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	N/A	N/A	N/A	N/A
2,4,5-Trichlorophenol	TM176	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
2,4,6-Trichlorophenol	TM176	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Nitrobenzene	TM176	ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Easily Liberated Sulphide	TM180	mg/kg	1000	220	0	72	0	33	0	0	0	0	0	0
1,3-Propandiol	TM189	mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,4-Butandiol	TM189	mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
PCB congener 101	TM197	ug/kg	24	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCB congener 118	TM197	ug/kg	230	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCB congener 138	TM197	ug/kg	9	N/A	N/A	N/A	9	N/A	0	N/A	N/A	N/A	N/A	N/A

				BH114	TPM	TPM	BH106	BH106	WSJA	WSJA	WSN	WSN	WSO	WSO
				2.5	0.5	2.5	1	1.75	0.5	2.5	0.6	1.5	0.6	2
				Made Ground	Made Ground	River Terrace Deposits	Made Ground	Organic Alluvium	Made Ground	Made Ground	Alluvium	Alluvium	Alluvium	River Terrace Deposits
				4H	4E	4E	Temp. area (CH)	Temp. area (CH)	4G	4G	N/A	N/A	N/A	N/A
				Redbridge Landfill	A423 Culvert (W)	A423 Culvert (W)	Cold Harbour Landfill	Cold Harbour Landfill	Adj. Redbridge Recycling	Adj. Redbridge Recycling	Outside scheme (Kenn.)	Outside scheme (Kenn.)	Outside scheme (Kenn.)	Outside scheme (Kenn.)
PCB congener 180	TM197	ug/kg	21	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCB congener 28	TM197	ug/kg	47	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCB congener 52	TM197	ug/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total of 7 Congener PCBs	TM197	ug/kg	240	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cyfluthrin		mg/kg	0	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A
Cyhalothrin		mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cypermethrin		mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A
Deltamethrin		mg/kg	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dibutyl Tin		mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fenvalerate		mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Monoethylene Glycol		mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Simazine		ug/kg	0	N/A	N/A	N/A	0	N/A	0	N/A	0	N/A	N/A	N/A
Tributyl Tin		mg/kg	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

						3B	3B	3C	4B	4C	4D	4D	4D	4D	4D
			Location	TP292	TP294	TP210	TP213	TP218	TP228	HSA219	BH208	BH208	TP240	TP241	TP242
			Depth to Sample	0.600	0.500	0.000	0.500	0.300	0.300	0.300	0	1.800	2.000	2.000	0.400
			Relevant Scheme Zone	1A	1B	3B	3B	3C	4B	4C	4D	4D	4D	4D	4D
				Area N of Botley Rd	Area N of Botley Rd	Main Channel (BR-OAR)	Main Channel (BR OAR)	Main Channel (BR OAR)	Main Channel (BR-OAR)	Main Channel (BR OAR)	Kenn. Rd. E landfill	Kenn. Rd. E landfill	Kenn. Rd. E landfill	Kenn. Rd. E landfill	Kenn. Rd. E landfill
			Geology	Alluvium	Alluvium	Made Ground	Alluvium	Topsoil	Alluvium	Alluvium	Topsoil	Made Ground	Made Ground	Made Ground	Made Ground
Chemical	**Method**	**Screening Value**	unit												
Metals															
Arsenic	TM30/PM15	170	mg/kg	24.4	15.2	12	22.4	26.1	4.6	20	15.5	14	4.2	9.6	30.3
Cadmium	TM30/PM15	532	mg/kg	0	0	1.8	0.1	0	0.6	0.2	0.5	0.9	0.2	6.2	0.9
Chromium	TM30/PM15	33000	mg/kg	70.5	55.5	46.3	69.4	85	84.2	64.7	33.3	73.2	16.1	81.7	53.8
Copper	TM30/PM15	44000	mg/kg	15	15	9	18	19	26	14	24	101	6	286	319
Lead	TM30/PM15		mg/kg	13	23	44	15	31	21	17	47	281	28	559	241
Mercury	TM30/PM15	240	mg/kg	0	0	0	0	0	0	0	0	0.7	0	0.5	0.4
Nickel	TM30/PM15	3400	mg/kg	39	29.8	19.7	50.8	36.2	35.5	29.5	15.5	31.9	11.2	37.9	81.8
Zinc	TM30/PM15	170000	mg/kg	127	110	95	146	100	122	82	388	1881	354	2135	519
Hexavalent Chromium	TM38/PM20		mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Sulphate as SO4	TM38/PM20		g/l	0.0124	0.0206	0.0205	0.0218	0.0234	0.1258	0.0312	0.0502	0.6882	0.3488	1.7028	0.0784
Sulphate as SO5	TM38/PM60			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dry matter content ratio 105c	NONE/PM4		%	69.9	78	83.6	72.1	84.2	65.8	77.7	89.8	71.3	71.7	54	88.2
Moisture Content 105C (% Dry Weight)	NONE/PM4		%	43.1	28.2	19.6	38.8	18.7	51.9	28.7	11.4	40.2	39.6	85.1	13.4
Colour	PM13/PM0		None	0	0	0	0	0	0	0	0	0	0	0	0
Other Items	PM13/PM0		None	0	0	0	0	0	0	0	0	0	0	0	0
Sample type	PM13/PM0		None	0	0	0	0	0	0	0	0	0	0	0	0
Mass of Dry Sample (Bulk Analysis)	PM4/PM0		g	N/A	N/A	N/A	N/A	N/A	N/A	N/A	45.5	37.4	47.2	35.1	40.9
Natural Moisture Content	PM4/PM0		%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13.9	44.5	11.6	98.4	20.3
1,1,1,2-Tetrachloroethane	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
1,1,1-Trichloroethane	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
1,1,2,2-Tetrachloroethane	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
1,1,2-Trichloroethane	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
1,1-Dichloroethane	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
1,1-Dichloroethene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
1,1-Dichloropropene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
1,2,3-Trichlorobenzene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
1,2,3-Trichloropropane	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
1,2,4-Trichlorobenzene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
1,2,4-Trimethylbenzene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	87	1727	0	195	0
1,2-Dibromo-3-chloropropane	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
1,2-Dibromoethane	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
1,2-Dichlorobenzene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
1,2-Dichloroethane	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
1,2-Dichloropropane	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
1,3,5-Trimethylbenzene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	42	180	0	0	0
1,3-Dichlorobenzene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
1,3-Dichloropropane	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
1,4-Dichlorobenzene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	583	0	31	0
2,2-Dichloropropane	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
2-Chlorotoluene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
4-Chlorotoluene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
4-Isopropyltoluene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	839	0	0	0
Benzene	TM15/PM10	110000	ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Bromobenzene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Bromochloromethane	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Bromodichloromethane	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Bromoform	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Bromomethane	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Carbon tetrachloride	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Chlorobenzene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	94	0	0	0
Chloroethane	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Chloroform	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Chloromethane	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
cis-1-2-Dichloroethene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0

						3B	3B	3C	4B	4C	4D	4D	4D	4D	4D
			Location	TP292	TP294	TP210	TP213	TP218	TP228	HSA219	BH208	BH208	TP240	TP241	TP242
			Depth to Sample	0.600	0.500	0.000	0.500	0.300	0.300	0.300	0	1.800	2.000	2.000	0.400
			Relevant Scheme Zone	1A	1B	3B	3B	3C	4B	4C	4D	4D	4D	4D	4D
				Area N of Botley Rd	Area N of Botley Rd	Main Channel (BR-OAR)	Main Channel (BR OAR)	Main Channel (BR OAR)	Main Channel (BR-OAR)	Main Channel (BR OAR)	Kenn. Rd. E landfill	Kenn. Rd. E landfill	Kenn. Rd. E landfill	Kenn. Rd. E landfill	Kenn. Rd. E landfill
			Geology	Alluvium	Alluvium	Made Ground	Alluvium	Topsoil	Alluvium	Alluvium	Topsoil	Made Ground	Made Ground	Made Ground	Made Ground
cis-1-3-Dichloropropene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Dibromochloromethane	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Dibromomethane	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Dichlorodifluoromethane	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Dichloromethane	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	43
Ethylbenzene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Hexachlorobutadiene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Isopropylbenzene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	71	0	14	0
m & p - Xylene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	69	0	10	0
MTBE	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
n-Butylbenzene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	22	0
o - Xylene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	45	0	0	0
Propylbenzene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	112	0	16	0
sec-Butylbenzene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Styrene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
tert-Butylbenzene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Tetrachloroethene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	15	0	0	9
Toluene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	22	11	14	17
Total BTEX	TM15/PM10		mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0.136	0	0.024	0
trans-1-2-Dichloroethene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
trans-1-3-Dichloropropene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Trichloroethene	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Trichlorofluoromethane	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Vinyl Chloride	TM15/PM10		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
1,2,4-Trichlorobenzene	TM16/PM8			N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
1,2-Dichlorobenzene	TM16/PM8			N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
1,3-Dichlorobenzene	TM16/PM8			N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
1,4-Dichlorobenzene	TM16/PM8			N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
2 - Chloronaphthalene	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
2 - Chlorophenol	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
2 - Methylnaphthalene	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	20	0	260	48
2 - Methylphenol	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
2 - Nitroaniline	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
2 - Nitrophenol	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
2,4 - Dichlorophenol	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
2,4 - Dimethylphenol	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
2,4 - Dinitrotoluene	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
2,4,5 - Trichlorophenol	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
2,4,6 - Trichlorophenol	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
2,6 - Dinitrotoluene	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
2-Fluorobiphenyl	TM16/PM8		%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3 - Nitroaniline	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
4 - Bromophenylphenyl ether	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
4 - Chloro - 3 - Methylphenol	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
4 - Chloroaniline	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
4 - Chlorophenyl phenyl ether	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
4 - Methylphenol	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
4 - Nitroaniline	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
4 - Nitrophenol	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Azobenzene	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
bis (2 - chloroethoxy) methane	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
bis (2 - chloroethyl) ether	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
bis (2 - ethylhexyl) phthalate	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Butyl benzyl phthalate	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Carbazole	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	35	0	29	24
Di - n - octyl phthalate	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Dibenzofuran	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	29	0	0	0
Diethyl phthalate	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0

						3B	3B	3C	4B	4C	4D	4D	4D	4D	4D
			Location	TP292	TP294	TP210	TP213	TP218	TP228	HSA219	BH208	BH208	TP240	TP241	TP242
			Depth to Sample	0.600	0.500	0.000	0.500	0.300	0.300	0.300	0	1.800	2.000	2.000	0.400
			Relevant Scheme Zone	1A	1B	3B	3B	3C	4B	4C	4D	4D	4D	4D	4D
				Area N of Botley Rd	Area N of Botley Rd	Main Channel (BR-OAR)	Main Channel (BR OAR)	Main Channel (BR OAR)	Main Channel (BR-OAR)	Main Channel (BR OAR)	Kenn. Rd. E landfill	Kenn. Rd. E landfill	Kenn. Rd. E landfill	Kenn. Rd. E landfill	Kenn. Rd. E landfill
			Geology	Alluvium	Alluvium	Made Ground	Alluvium	Topsoil	Alluvium	Alluvium	Topsoil	Made Ground	Made Ground	Made Ground	Made Ground
Dimethyl phthalate	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Di-n-butyl phthalate	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	497
Hexachlorobenzene	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Hexachlorobutadiene	TM16/PM8			N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Hexachlorocyclopentadiene	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Hexachloroethane	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Isophorone	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
n - Nitrosodi - n - Propylamine	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Nitrobenzene	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Pentachlorophenol	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Phenol	TM16/PM8		ug/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
p-Terphenyl-d14	TM16/PM8		%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Phenol	TM26/PM21		mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0.03
PAHs															
Acenaphthene	TM4/PM8	30000	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0.18	0	0.09	0
Acenaphthylene	TM4/PM8	30000	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.04	0	0.05	0	0.04
Anthracene	TM4/PM8	150000	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0.08	0.17	0.1	0.08
Benzo (a) anthracene	TM4/PM8	62	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.14	0.17	0.48	0.29	0.19
Benzo (a) pyrene	TM4/PM8	13	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.15	0.06	0.62	0.26	0.31
Benzo (ghi) perylene	TM4/PM8	1600	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.12	0.08	0.29	0.19	0.29
Benzo(b)fluoranthene	TM4/PM8	16	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.17	0.17	0.66	0.32	0.32
Benzo(bk)fluoranthene	TM4/PM8		mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.24	0.23	0.91	0.45	0.44
Benzo(k)fluoranthene	TM4/PM8	440	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.07	0.06	0.25	0.13	0.12
Chrysene	TM4/PM8	120	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.12	0.26	0.66	0.55	0.24
Dibenzo (ah) anthracene	TM4/PM8	1.4	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0.1	0	0.08
Fluoranthene	TM4/PM8	6400	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.14	0.65	0.89	0.64	0.24
Fluorene	TM4/PM8	20000	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0.2	0.06	0.09	0
Indeno (1,2,3 - cd) pyrene	TM4/PM8	180	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.12	0.09	0.32	0.16	0.24
Naphthalene	TM4/PM8	3000	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0.34	0	0.41	0
PAH 16 Total	TM4/PM8		mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.3	3.4	5.9	4.4	2.5
PAH Surrogate % Recovery	TM4/PM8		%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	98	92	110	112	105
Phenanthrene	TM4/PM8	6300	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.05	0.55	0.55	0.52	0.11
Pyrene	TM4/PM8	15000	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.14	0.49	0.76	0.69	0.21
Hydrocarbons															
Aliphatics >C5-C6	TM36/PM12	180000	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Aliphatics >C6-C8	TM36/PM12	320000	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0.3	0	0	0
Aliphatics >C8-C10	TM36/PM12	21000	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.5	5.5	0	0.5	0
Aromatics >EC5-EC7	TM36/PM12	92000	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Aromatics >EC7-EC8	TM36/PM12	100000	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Aromatics >EC8-EC10	TM36/PM12	9300	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0.3	0	0	0
Aliphatics >C10-C12	TM5/PM16	24000	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	12.5	0	617.4	0
Aliphatics >C12-C16	TM5/PM16	26000	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	20	0	2705	0
Aliphatics >C16-C21	TM5/PM16	450000	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	58	0	150	0
Aliphatics >C21-C35	TM5/PM16	450000	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	230	369	0	578	158
Aromatics >EC10-EC12	TM5/PM16	10000	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	59.3	0
Aromatics >EC12-EC16	TM5/PM16	10000	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	402	0
Aromatics >EC16-EC21	TM5/PM16		mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	102	0	121	0
Aromatics >EC21-EC35	TM5/PM16		mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	61	526	0	545	239
Total aliphatics (>C5-C35)	TM5/TM36/PM12/PM16		mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	231	465	0	4051	158
Total aliphatics and aromatics (>C5-C35)	TM5/TM36/PM12/PM16		mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	292	1093	0	5178	397
Total aromatics (>EC5-EC35)	TM5/TM36/PM12/PM16		mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	61	628	0	1127	239
Asbstos															
Asbestos Containing Material	TM65/PM42		None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Asbestos Containing Material (2)	TM65/PM42		None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Asbestos Gravimetric & PCOM Total	TM65/PM42		mass %	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Asbestos Level	TM65/PM42		None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Asbestos PCOM Quantification (Fibres)	TM65/PM42		mass %	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Asbestos Type	TM65/PM42		None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Asbestos Type (2)	TM65/PM42		None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0

						3B	3B	3C	4B	4C	4D	4D	4D	4D	4D
			Location	TP292	TP294	TP210	TP213	TP218	TP228	HSA219	BH208	BH208	TP240	TP241	TP242
			Depth to Sample	0.600	0.500	0.000	0.500	0.300	0.300	0.300	0	1.800	2.000	2.000	0.400
			Relevant Scheme Zone	1A	1B	3B	3B	3C	4B	4C	4D	4D	4D	4D	4D
				Area N of Botley Rd	Area N of Botley Rd	Main Channel (BR-OAR)	Main Channel (BR OAR)	Main Channel (BR OAR)	Main Channel (BR-OAR)	Main Channel (BR OAR)	Kenn. Rd. E landfill	Kenn. Rd. E landfill	Kenn. Rd. E landfill	Kenn. Rd. E landfill	Kenn. Rd. E landfill
			Geology	Alluvium	Alluvium	Made Ground	Alluvium	Topsoil	Alluvium	Alluvium	Topsoil	Made Ground	Made Ground	Made Ground	Made Ground
General Description (Bulk Analysis)	TM65/PM42		None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
Waste Limit	TM65/PM42		None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0
pH	TM73/PM11		pH units	8.07	7.59	8	8.04	8.13	7.9	8.2	8.15	8.19	7.31	7.25	7.88
Boron	TM74/PM32		mg/kg	1.1	1.3	3.2	1.5	4.9	3.4	1.8	1.6	3.7	2.1	17.4	8
Boron	TM74/PM61			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

				4D	4D	4D	4D	4D			4D	4D	4D	4G
			Location	TP242	WS217	WS217	WS218	TP238	BH205	BH205	TP239	WS215	WS216	WS203
			Depth to Sample	1.500	1.000	1.800	1.200	1.000	0.500	1.500	1.000	0.500	0.800	0.700
			Relevant Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4G
				Kenn. Rd. E landfill	Kenn. Rd. E landfill	Kenn. Rd. E landfill	Kenn. Rd. E landfill	Kenn. Rd. W landfill	Kenn. Rd. W landfill	Kenn. Rd. W landfill	Kenn. Rd. W landfill	Kenn. Rd. W landfill	Kenn. Rd. W landfill	Abingdon Rd. (Go Outdoors, Adj. Hinksey
			Geology	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground
Chemical	**Method**	**Screening Value**	unit											
Metals														
Arsenic	TM30/PM15	170	mg/kg	19.6	1.2	12.7	10.7	12.1	18.7	16.8	11.3	6.5	19.4	23.9
Cadmium	TM30/PM15	532	mg/kg	7.3	0.5	0.3	0.8	0.9	0.4	3.1	1.4	144.5	1.6	0
Chromium	TM30/PM15	33000	mg/kg	48.3	44	43.7	58.1	1562	47.3	468.3	35.9	99.6	177.8	78.7
Copper	TM30/PM15	44000	mg/kg	61	37	6	46	613	54	77	66	218	197	18
Lead	TM30/PM15		mg/kg	307	173	18	97	861	349	301	357	1542	987	115
Mercury	TM30/PM15	240	mg/kg	0.7	2.5	0	0.4	16.7	0	0.3	0.3	1.2	0.3	0.1
Nickel	TM30/PM15	3400	mg/kg	75.6	21.3	24.8	41.2	30.2	31.3	43.2	29.4	58.6	49.8	30.6
Zinc	TM30/PM15	170000	mg/kg	4410	636	84	145	2098	129	223	964	534	594	55
Hexavalent Chromium	TM38/PM20		mg/kg	0	7.2	0	0	0.9	0	0	6.3	0	11	N/A
Sulphate as SO4	TM38/PM20		g/l	N/A	1.3093	0.1821	N/A	0	0.5517	1.3235	0.5895	0.068	1.3595	0.312
Sulphate as SO5	TM38/PM60			2.3993	N/A	N/A	0.0245	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dry matter content ratio 105c	NONE/PM4		%	53.7	54.2	70.6	86.9	54.9	88	63.3	55.6	N/A	80.1	91.1
Moisture Content 105C (% Dry Weight)	NONE/PM4		%	86.1	84.6	41.6	15.1	82.1	13.6	58	80	N/A	24.8	9.8
Colour	PM13/PM0		None	0	0	0	0	0	0	0	0	0	0	0
Other Items	PM13/PM0		None	0	0	0	0	0	0	0	0	0	0	0
Sample type	PM13/PM0		None	0	0	0	0	0	0	0	0	0	0	0
Mass of Dry Sample (Bulk Analysis)	PM4/PM0		g	34.1	25.3	39.6	49.3	28.9	49.7	45.3	26.2	51.3	32.8	N/A
Natural Moisture Content	PM4/PM0		%	N/A	54.1	35.1	N/A	248.4	10.8	27.3	53.5	12.9	25.6	N/A
1,1,1,2-Tetrachloroethane	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
1,1,1-Trichloroethane	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
1,1,2,2-Tetrachloroethane	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
1,1,2-Trichloroethane	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
1,1-Dichloroethane	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
1,1-Dichloroethene	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
1,1-Dichloropropene	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
1,2,3-Trichlorobenzene	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
1,2,3-Trichloropropane	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
1,2,4-Trichlorobenzene	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
1,2,4-Trimethylbenzene	TM15/PM10		ug/kg	61	130	18	8	0	0	0	0	0	182	N/A
1,2-Dibromo-3-chloropropane	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
1,2-Dibromoethane	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
1,2-Dichlorobenzene	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
1,2-Dichloroethane	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
1,2-Dichloropropane	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
1,3,5-Trimethylbenzene	TM15/PM10		ug/kg	12	0	0	0	0	0	0	0	0	42	N/A
1,3-Dichlorobenzene	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
1,3-Dichloropropane	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
1,4-Dichlorobenzene	TM15/PM10		ug/kg	165	0	11	0	42	0	0	0	0	98	N/A
2,2-Dichloropropane	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
2-Chlorotoluene	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
4-Chlorotoluene	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
4-Isopropyltoluene	TM15/PM10		ug/kg	10	11	0	0	0	0	0	25	0	25	N/A
Benzene	TM15/PM10	110000	ug/kg	8	0	0	0	0	0	0	0	0	12	N/A
Bromobenzene	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Bromochloromethane	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Bromodichloromethane	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Bromoform	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Bromomethane	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Carbon tetrachloride	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Chlorobenzene	TM15/PM10		ug/kg	56	0	0	0	9	0	0	0	0	12	N/A
Chloroethane	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Chloroform	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Chloromethane	TM15/PM10		ug/kg	0	87	0	0	0	0	0	0	0	0	N/A
cis-1-2-Dichloroethene	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A

				4D	4D	4D	4D	4D			4D	4D	4D	4G
			Location	TP242	WS217	WS217	WS218	TP238	BH205	BH205	TP239	WS215	WS216	WS203
			Depth to Sample	1.500	1.000	1.800	1.200	1.000	0.500	1.500	1.000	0.500	0.800	0.700
			Relevant Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4G
				Kenn. Rd. E landfill	Kenn. Rd. E landfill	Kenn. Rd. E landfill	Kenn. Rd. E landfill	Kenn. Rd. W landfill	Kenn. Rd. W landfill	Kenn. Rd. W landfill	Kenn. Rd. W landfill	Kenn. Rd. W landfill	Kenn. Rd. W landfill	Abingdon Rd. (Go Outdoors, Adj. Hinksey
			Geology	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground
cis-1-3-Dichloropropene	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Dibromochloromethane	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Dibromomethane	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Dichlorodifluoromethane	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Dichloromethane	TM15/PM10		ug/kg	0	0	0	0	0	0	0	95	55	200	N/A
Ethylbenzene	TM15/PM10		ug/kg	5	0	0	0	0	0	0	0	0	29	N/A
Hexachlorobutadiene	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Isopropylbenzene	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	10	N/A
m & p - Xylene	TM15/PM10		ug/kg	25	0	0	5	0	0	0	0	0	98	N/A
MTBE	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
n-Butylbenzene	TM15/PM10		ug/kg	0	222	0	0	0	0	0	0	0	24	N/A
o - Xylene	TM15/PM10		ug/kg	7	0	0	0	0	0	0	0	0	36	N/A
Propylbenzene	TM15/PM10		ug/kg	7	0	0	0	0	0	0	0	0	19	N/A
sec-Butylbenzene	TM15/PM10		ug/kg	15	311	0	0	0	0	0	0	0	14	N/A
Styrene	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
tert-Butylbenzene	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Tetrachloroethene	TM15/PM10		ug/kg	0	25	0	0	0	0	0	15	0	10	N/A
Toluene	TM15/PM10		ug/kg	21	18	11	15	21	0	0	19	10	59	N/A
Total BTEX	TM15/PM10		mg/kg	0.066	0	0	0.02	0.021	0	0	0.019	0	0.234	N/A
trans-1-2-Dichloroethene	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
trans-1-3-Dichloropropene	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Trichloroethene	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Trichlorofluoromethane	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Vinyl Chloride	TM15/PM10		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
1,2,4-Trichlorobenzene	TM16/PM8			0	0	0	0	0	0	0	0	0	0	N/A
1,2-Dichlorobenzene	TM16/PM8			0	0	0	0	0	0	0	0	0	0	N/A
1,3-Dichlorobenzene	TM16/PM8			0	0	0	0	0	0	0	0	0	0	N/A
1,4-Dichlorobenzene	TM16/PM8			0	0	0	0	0	0	0	0	0	0	N/A
2 - Chloronaphthalene	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
2 - Chlorophenol	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
2 - Methylnaphthalene	TM16/PM8		ug/kg	20	0	0	23	46	23	36	0	15	83	N/A
2 - Methylphenol	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
2 - Nitroaniline	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
2 - Nitrophenol	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
2,4 - Dichlorophenol	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
2,4 - Dimethylphenol	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
2,4 - Dinitrotoluene	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
2,4,5 - Trichlorophenol	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
2,4,6 - Trichlorophenol	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
2,6 - Dinitrotoluene	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
2-Fluorobiphenyl	TM16/PM8		%	N/A	N/A	N/A	N/A	82	N/A	N/A	113	124	128	N/A
3 - Nitroaniline	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
4 - Bromophenylphenyl ether	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
4 - Chloro - 3 - Methylphenol	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
4 - Chloroaniline	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
4 - Chlorophenyl phenyl ether	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
4 - Methylphenol	TM16/PM8		ug/kg	0	0	0	0	0	0	832	0	0	0	N/A
4 - Nitroaniline	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
4 - Nitrophenol	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Azobenzene	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
bis (2 - chloroethoxy) methane	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
bis (2 - chloroethyl) ether	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
bis (2 - ethylhexyl) phthalate	TM16/PM8		ug/kg	0	0	0	0	0	0	7922	0	0	0	N/A
Butyl benzyl phthalate	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Carbazole	TM16/PM8		ug/kg	66	0	0	58	95	89	34	0	32	98	N/A
Di - n - octyl phthalate	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Dibenzofuran	TM16/PM8		ug/kg	21	0	0	36	36	23	0	0	0	0	N/A
Diethyl phthalate	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A

				4D	4D	4D	4D	4D			4D	4D	4D	4G
			Location	TP242	WS217	WS217	WS218	TP238	BH205	BH205	TP239	WS215	WS216	WS203
			Depth to Sample	1.500	1.000	1.800	1.200	1.000	0.500	1.500	1.000	0.500	0.800	0.700
			Relevant Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4G
				Kenn. Rd. E landfill	Kenn. Rd. E landfill	Kenn. Rd. E landfill	Kenn. Rd. E landfill	Kenn. Rd. W landfill	Kenn. Rd. W landfill	Kenn. Rd. W landfill	Kenn. Rd. W landfill	Kenn. Rd. W landfill	Kenn. Rd. W landfill	Abingdon Rd. (Go Outdoors, Adj. Hinksey
			Geology	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground
Dimethyl phthalate	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Di-n-butyl phthalate	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Hexachlorobenzene	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Hexachlorobutadiene	TM16/PM8			0	0	0	0	0	0	0	0	0	0	N/A
Hexachlorocyclopentadiene	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Hexachloroethane	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Isophorone	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
n - Nitrosodi - n - Propylamine	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Nitrobenzene	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Pentachlorophenol	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
Phenol	TM16/PM8		ug/kg	0	0	0	0	0	0	0	0	0	0	N/A
p-Terphenyl-d14	TM16/PM8		%	N/A	N/A	N/A	N/A	118	N/A	N/A	144	129	142	N/A
Phenol	TM26/PM21		mg/kg	0	0.11	0	0	0	0	0.03	0.13	0.02	0.15	N/A
PAHs														
Acenaphthene	TM4/PM8	30000	mg/kg	0.08	0.22	0	0	0.15	0	0	0	0	0	N/A
Acenaphthylene	TM4/PM8	30000	mg/kg	0.12	0	0	0.07	0.11	0.06	0	0	0.09	0	N/A
Anthracene	TM4/PM8	150000	mg/kg	0.28	0	0	0.16	0.17	0.08	0.05	0	0.09	0	N/A
Benzo (a) anthracene	TM4/PM8	62	mg/kg	0.53	0	0	0.48	0.44	0.19	0.16	0.13	0.22	0.1	N/A
Benzo (a) pyrene	TM4/PM8	13	mg/kg	0.73	0	0	0.8	0.74	0.42	0.13	0.17	0.38	0.15	N/A
Benzo (ghi) perylene	TM4/PM8	1600	mg/kg	0.51	0	0	0.54	0.61	0.45	0.14	0.15	0.34	0.14	N/A
Benzo(b)fluoranthene	TM4/PM8	16	mg/kg	0.83	0	0	0.91	0.79	0.37	0.17	0.21	0.44	0.17	N/A
Benzo(bk)fluoranthene	TM4/PM8		mg/kg	1.15	0	0	1.27	1.1	0.52	0.24	0.29	0.61	0.24	N/A
Benzo(k)fluoranthene	TM4/PM8	440	mg/kg	0.32	0	0	0.36	0.31	0.15	0.07	0.08	0.17	0.07	N/A
Chrysene	TM4/PM8	120	mg/kg	0.71	0	0	0.71	0.7	0.19	0.13	0.21	0.32	0.14	N/A
Dibenzo (ah) anthracene	TM4/PM8	1.4	mg/kg	0.1	0	0	0.17	0.11	0.07	0	0	0.1	0	N/A
Fluoranthene	TM4/PM8	6400	mg/kg	1.17	1.55	0	0.96	1.25	0.29	0.16	0.34	0.43	0.12	N/A
Fluorene	TM4/PM8	20000	mg/kg	0.08	0.29	0	0	0.17	0	0	0	0	0	N/A
Indeno (1,2,3 - cd) pyrene	TM4/PM8	180	mg/kg	0.48	0	0	0.53	0.53	0.39	0.1	0.15	0.33	0.12	N/A
Naphthalene	TM4/PM8	3000	mg/kg	0	0	0	0	0.11	0	0	0	0	0	N/A
PAH 16 Total	TM4/PM8		mg/kg	7.4	5.5	0	6.8	7.8	3	1.4	1.8	3.5	1.2	N/A
PAH Surrogate % Recovery	TM4/PM8		%	81	116	110	97	100	89	92	116	112	113	N/A
Phenanthrene	TM4/PM8	6300	mg/kg	0.38	1.16	0	0.31	0.61	0.1	0.09	0.11	0.16	0.07	N/A
Pyrene	TM4/PM8	15000	mg/kg	1.07	2.31	0	0.81	0.99	0.25	0.16	0.25	0.38	0.1	N/A
Hydrocarbons														
Aliphatics >C5-C6	TM36/PM12	180000	mg/kg	0	0	0	0	0	0	0	0	0	0	N/A
Aliphatics >C6-C8	TM36/PM12	320000	mg/kg	0	0.2	0	0	0	0	0	0	0	0	N/A
Aliphatics >C8-C10	TM36/PM12	21000	mg/kg	0.7	18.8	0.3	0	0	0	0.3	0.4	0	0	N/A
Aromatics >EC5-EC7	TM36/PM12	92000	mg/kg	0	0	0	0	0	0	0	0	0	0	N/A
Aromatics >EC7-EC8	TM36/PM12	100000	mg/kg	0	0	0	0	0	0	0	0	0	0	N/A
Aromatics >EC8-EC10	TM36/PM12	9300	mg/kg	0	0.4	0	0	0	0	0	0	0	0	N/A
Aliphatics >C10-C12	TM5/PM16	24000	mg/kg	0	450	0	0	0	11.5	8.8	11.8	0	45.5	N/A
Aliphatics >C12-C16	TM5/PM16	26000	mg/kg	0	423	0	0	0	0	0	17	0	217	N/A
Aliphatics >C16-C21	TM5/PM16	450000	mg/kg	0	12365	0	0	0	24	70	135	0	127	N/A
Aliphatics >C21-C35	TM5/PM16	450000	mg/kg	66	120886	54	31	87	1093	509	791	150	377	N/A
Aromatics >EC10-EC12	TM5/PM16	10000	mg/kg	0	37.9	0	0	0	1.7	1	0	0	6.6	N/A
Aromatics >EC12-EC16	TM5/PM16	10000	mg/kg	8	116	0	0	0	0	0	0	0	41	N/A
Aromatics >EC16-EC21	TM5/PM16		mg/kg	68	1861	0	0	17	21	57	116	21	112	N/A
Aromatics >EC21-EC35	TM5/PM16		mg/kg	372	12316	59	48	154	252	294	801	143	657	N/A
Total aliphatics (>C5-C35)	TM5/TM36/PM12/PM16		mg/kg	67	134143	54	31	87	1129	588	955	150	767	N/A
Total aliphatics and aromatics (>C5-C35)	TM5/TM36/PM12/PM16		mg/kg	515	148474	113	79	258	1404	940	1872	314	1584	N/A
Total aromatics (>EC5-EC35)	TM5/TM36/PM12/PM16		mg/kg	448	14331	59	48	171	275	352	917	164	817	N/A
Asbstos														
Asbestos Containing Material	TM65/PM42		None	0	0	0	0	0	0	0	0	0	0	N/A
Asbestos Containing Material (2)	TM65/PM42		None	N/A	0	0	N/A	0	0	0	0	0	0	N/A
Asbestos Gravimetric & PCOM Total	TM65/PM42		mass %	0	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Asbestos Level	TM65/PM42		None	0	0	0	0	0	0	0	0	0	0	N/A
Asbestos PCOM Quantification (Fibres)	TM65/PM42		mass %	0	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Asbestos Type	TM65/PM42		None	0	0	0	0	0	0	0	0	0	0	N/A
Asbestos Type (2)	TM65/PM42		None	N/A	0	0	N/A	0	0	0	0	0	0	N/A

				4D	4D	4D	4D	4D			4D	4D	4D	4G
			Location	TP242	WS217	WS217	WS218	TP238	BH205	BH205	TP239	WS215	WS216	WS203
			Depth to Sample	1.500	1.000	1.800	1.200	1.000	0.500	1.500	1.000	0.500	0.800	0.700
			Relevant Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4G
				Kenn. Rd. E landfill	Kenn. Rd. E landfill	Kenn. Rd. E landfill	Kenn. Rd. E landfill	Kenn. Rd. W landfill	Kenn. Rd. W landfill	Kenn. Rd. W landfill	Kenn. Rd. W landfill	Kenn. Rd. W landfill	Kenn. Rd. W landfill	Abingdon Rd. (Go Outdoors, Adj. Hinksey
			Geology	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground
General Description (Bulk Analysis)	TM65/PM42		None	0	0	0	0	0	0	0	0	0	0	N/A
Waste Limit	TM65/PM42		None	0	0	0	0	0	0	0	0	0	0	N/A
pH	TM73/PM11		pH units	6.94	6.95	7.92	7.97	7.22	7.71	7.48	7.28	7.83	7.18	8.56
Boron	TM74/PM32		mg/kg	N/A	6.6	5	N/A	9.4	4.8	73	11.4	1.1	5.7	1.2
Boron	TM74/PM61			6.3	N/A	N/A	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A

					Sample ID	BH369	BH369	BH369	CP301A	CPT301-IP	CPT301-IP	BH337	BH337	BH337A	CPT303	CPT303 - IP	CPT303 - IP	BH334	BH334	BH334	BH334 ROT REV1	TP382	BH314A	BH314A
					Depth	0.50	4.50	10.75	0.90-0.90	0.90	0.20-0.30	0.3	4.3	8	0.40-0.40	0.00-0.10	0.40-0.50	4.50	12.00	0.30-0.40	0.50-0.70	2.50	0.40	0.80
					Scheme Area	4E	4E	4E	4E	4E	4E	4H	4H	4H	4H	4H	4H	4E	4E	4E	4E	4E	4F	4F
					Relevant design feature	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert E	A423 Culvert E	A423 Culvert E	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	New Hinksey	New Hinksey
					Material	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	RIVER TERRACE DEPOSITS										MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	ALLUVIUM	ALLUVIUM
					Sampled Date	11/05/2017	12/05/2017	18/05/2017	07/11/2017	11/07/2017	11/07/2017	04/07/17	04/07/17	04/07/17	07/11/2017	11/07/2017	11/07/2017	19/04/2017	19/04/2017	19/04/2017	25/05/2017	28/04/2017	21/04/2017	21/04/2017
Test	**Units**	**Max**	**Location of max**	**Strata**	**Criteria**																			
Fraction Organic Carbon	None	0.2	TP373A	0		0.003	0.005	<0.001	0.00376	-	0.028	0.003	0.007	0.027	0.0261	-	-	NDP	NDP	NDP	0.048	0.01	0.025	0.01
Moisture Content 105C (% Dry Weight)	%	192.3	TP379	LANDFILL MATERIAL		11.5	19.7	17.2	-	-	-				-	-	-	16.7	23.1	24.3	18.4	26.60	26.3	29
Dry Matter Content Ratio 105°C	%	92.7	TP302	ALLUVIUM		89.7	83.5	85.4	-	-	-				-	-	-	85.7	81.2	80.4	84.5	79.00	79.2	77.5
Sulphate as SO4 (2:1 Ext) #M	g/l	1.4	BH337A	0		0.0177	0.0629	0.0522	0.0169	-	0.005	0.1673	0.0445	1.4239	<0.004	-	-	0.9235	0.1233	1.3034	0.0674	0.48	<0.0015	0.006
Metals																								
Arsenic #M	mg/kg	193.3	BH365FH	RIVER TERRACE DEPOSITS	170	7	6.5	21.3	9.7	-	9.9	9.6	10.9	12.1	9.35	-	-	21.3	33.8	59.7	25.8	11.60	26.3	15.9
Cadmium #M	mg/kg	16.7	TP374A	LANDFILL MATERIAL	532	<0.1	<0.1	<0.1	0.173	-	0.4	<0.1	<0.1	<0.1	0.449	-	-	1.3	0.1	5.4	1.4	0.40	<0.1	<0.1
Chromium #M	mg/kg	416.0	TP373A	0	33000	20.1	22.1	22.7	8.41	-	48.9	8.6	31.7	33.5	5.74	-	-	16.3	15.1	46.6	46	40.50	65.5	46.5
Hexavalent Chromium #	mg/kg	2.7	TP360A	LANDFILL LINER	220	2	<0.3	<0.3	<0.6	-	<0.3	<0.3	<0.3	<0.3	<0.6	-	-	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Copper #M	mg/kg	22,600.0	TP360A	LANDFILL LINER	44000	6	6	<1	6.5	-	30	6	8	14	17.8	-	-	145	11	379	895	67.00	24	10
Lead #M	mg/kg	2,000.0	TP373A	0	630	7	8	6	10.7	-	96	6	7	41	47.4	-	-	189	19	539	181	98.00	72	14
Mercury #M	mg/kg	4.1	TP373A	0	30	<0.1	<0.1	<0.1	0.573	-	<0.1	<0.1	<0.1	0.2	0.527	-	-	<0.1	<0.1	1.8	0.3	<0.1	<0.1	<0.1
Nickel #M	mg/kg	95.9	TP362A	LANDFILL MATERIAL	3400	16.1	17.8	14.1	13.5	-	19.8	17.2	26.9	18.6	10	-	-	29.6	31.6	90.9	36	15.50	26.9	18.8
Water Soluble Boron #M	mg/kg	71.5	TP362A	LANDFILL MATERIAL	46000	0.8	1.2	0.6	8.65	-	1.1	0.5	1.1	1.5	6.12	-	-	18	3.2	10.1	4	7.40	3.1	0.9
Zinc #M	mg/kg	6,250.0	TP373A	0		27	25	31	38	-	185	37	38	59	163	-	-	480	129	1628	481	312.00	83	45
PAH MS																								
Acenaphthene #M	mg/kg	0.9	BH302	MADE GROUND - OTHER	29000	<0.05	<0.05	<0.05	-	-	0.12	<0.05	<0.05	<0.05	-	-	-	<0.05	<0.05	0.22	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	mg/kg	8.4	BH302	MADE GROUND - OTHER	29000	<0.03	<0.03	<0.03	-	-	0.38	<0.03	<0.03	<0.03	-	-	-	0.06	<0.03	0.09	0.17	0.08	<0.03	<0.03
Anthracene #	mg/kg	13.4	BH302	MADE GROUND - OTHER	150000	<0.04	<0.04	<0.04	-	-	<0.05	<0.04	<0.04	<0.04	-	-	-	0.09	<0.04	0.43	0.27	0.11	<0.04	<0.04
Benzo(a)anthracene #	mg/kg	19.5	BH302	MADE GROUND - OTHER	49	<0.06	<0.06	<0.06	-	-	0.08	<0.06	<0.06	<0.06	-	-	-	0.31	<0.06	0.69	2.51	0.43	0.14	<0.06
Benzo(a)pyrene #	mg/kg	16.3	BH302	MADE GROUND - OTHER	11	<0.04	<0.04	<0.04	-	-	0.74	<0.04	<0.04	<0.04	-	-	-	0.29	<0.04	0.67	3.71	0.41	0.1	<0.04
Benzo(b)fluoranthene	mg/kg	19.0	BH302	MADE GROUND - OTHER	13	<0.05	<0.05	<0.05	-	-	0.41	<0.05	<0.05	<0.05	-	-	-	0.39	<0.05	0.82	4.64	0.50	0.14	<0.05
Benzo(ghi)perylene #	mg/kg	9.4	BH302	MADE GROUND - OTHER	1400	<0.04	<0.04	<0.04	-	-	2.91	<0.04	<0.04	<0.04	-	-	-	0.23	<0.04	0.47	2.32	0.26	0.08	<0.04
Benzo(k)fluoranthene	mg/kg	7.4	BH302	MADE GROUND - OTHER	370	<0.02	<0.02	<0.02	-	-	2.59	<0.02	<0.02	<0.02	-	-	-	0.15	<0.02	0.32	1.81	0.20	0.05	<0.02
Chrysene #M	mg/kg	19.4	BH302	MADE GROUND - OTHER	93	0.03	<0.02	<0.02	-	-	1.66	0.04	0.04	<0.02	-	-	-	0.35	0.05	0.7	2.25	0.39	0.15	<0.02
Dibenzo(ah)anthracene #	mg/kg	2.7	BH302	MADE GROUND - OTHER	1.1	<0.04	<0.04	<0.04	-	-	1.74	<0.04	<0.04	<0.04	-	-	-	<0.04	<0.04	0.1	0.53	0.06	<0.04	<0.04
Fluoranthene #M	mg/kg	49.8	BH302	MADE GROUND - OTHER	6300	<0.03	<0.03	<0.03	-	-	3.66	0.05	0.06	<0.03	-	-	-	0.56	0.09	1.88	2.14	0.64	0.18	<0.03
Fluorene #M	mg/kg	2.4	BH302	MADE GROUND - OTHER	20000	<0.04	<0.04	<0.04	-	-	2.02	<0.04	<0.04	<0.04	-	-	-	<0.04	<0.04	0.17	<0.04	<0.04	<0.04	<0.04
Indeno(123cd)pyrene #M	mg/kg	10.2	BH302	MADE GROUND - OTHER	150	<0.04	<0.04	<0.04	-	-	1.54	<0.04	<0.04	<0.04	-	-	-	0.24	<0.04	0.51	2.64	0.29	0.06	<0.04
Naphthalene #M	mg/kg	4.4	BH302	MADE GROUND - OTHER	1200	<0.04	<0.04	<0.04	-	-	0.27	<0.04	<0.04	<0.04	-	-	-	0.08	<0.04	0.06	<0.04	<0.04	<0.04	<0.04
Phenanthrene #M	mg/kg	52.0	BH302	MADE GROUND - OTHER	6200	<0.03	<0.03	<0.03	-	-	1.32	0.04	0.04	<0.03	-	-	-	0.19	0.04	1.68	0.37	0.30	0.1	<0.03
Pyrene #	mg/kg	37.6	BH302	MADE GROUND - OTHER	150000	<0.03	<0.03	<0.03	-	-	19.4	<0.03	0.04	<0.03	-	-	-	0.5	0.07	1.4	2.35	0.55	0.16	<0.03
PAH 16 Total	mg/kg	272.7	BH302	MADE GROUND - OTHER		<0.6	<0.6	<0.6	-	-	2.64	<0.6	<0.6	<0.6	-	-	-	3.4	<0.6	10.2	25.7	4.20	1.2	<0.6
PAH Surrogate % Recovery	%					81	97	92	-	-	1.02	98	101	115	-	-	-	105	103	105	101	82.00	89	91
Benzo(bk)fluoranthene #M	mg/kg	108.0	CPT301-IP	0		<0.07	<0.07	<0.07	-	-	108	<0.07	<0.07	<0.07	-	-	-	0.54	<0.07	1.14	6.45	0.70	0.19	<0.07
Acenaphthene	µg/kg	11,400.0	TP363A	LANDFILL MATERIAL	29,000,000	-	-	-	<8	-	-				<40	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/kg	2,230.0	TP363A	LANDFILL MATERIAL	29,000,000	-	-	-	17.8	-	-				<60	-	-	-	-	-	-	-	-	-
Anthracene	µg/kg	24,100.0	TP363A	LANDFILL MATERIAL	150,000,000	-	-	-	21.3	-	-				<80	-	-	-	-	-	-	-	-	-
Benz(a)anthracene	µg/kg	59,700.0	TP363A	LANDFILL MATERIAL	49,000	-	-	-	157	-	-				225	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/kg	67,000.0	TP363A	LANDFILL MATERIAL	11,000	-	-	-	171	-	-				246	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/kg	88,900.0	TP363A	LANDFILL MATERIAL	13,000	-	-	-	215	-	-				312	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/kg	34,800.0	TP363A	LANDFILL MATERIAL	1,400,000	-	-	-	119	-	-				280	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/kg	29,000.0	TP363A	LANDFILL MATERIAL	370,000	-	-	-	90.6	-	-				201	-	-	-	-	-	-	-	-	-
Chrysene	µg/kg	52,300.0	TP363A	LANDFILL MATERIAL	93,000	-	-	-	138	-	-				176	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/kg	11,100.0	TP363A	LANDFILL MATERIAL	1,100	-	-	-	30.5	-	-				<115	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/kg	128,000.0	TP363A	LANDFILL MATERIAL	6,300,000	-	-	-	179	-	-				324	-	-	-	-	-	-	-	-	-
Fluorene	µg/kg	12,800.0	TP363A	LANDFILL MATERIAL	20,000,000	-	-	-	<10	-	-				<50	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/kg	34,000.0	TP363A	LANDFILL MATERIAL	150,000	-	-	-	97.6	-	-				191	-	-	-	-	-	-	-	-	-
Naphthalene	µg/kg	3,880.0	TP363A	LANDFILL MATERIAL	1,200,000	-	-	-	10.8	-	-				<45	-	-	-	-	-	-	-	-	-

					Sample ID	BH369	BH369	BH369	CP301A	CPT301-IP	CPT301-IP	BH337	BH337	BH337A	CPT303	CPT303 - IP	CPT303 - IP	BH334	BH334	BH334	BH334 ROT REV1	TP382	BH314A	BH314A
					Depth	0.50	4.50	10.75	0.90-0.90	0.90	0.20-0.30	0.3	4.3	8	0.40-0.40	0.00-0.10	0.40-0.50	4.50	12.00	0.30-0.40	0.50-0.70	2.50	0.40	0.80
					Scheme Area	4E	4E	4E	4E	4E	4E	4H	4H	4H	4H	4H	4H	4E	4E	4E	4E	4E	4F	4F
					Relevant design feature	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert E	A423 Culvert E	A423 Culvert E	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	New Hinksey	New Hinksey
					Material	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	RIVER TERRACE DEPOSITS										MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	ALLUVIUM	ALLUVIUM
					Sampled Date	11/05/2017	12/05/2017	18/05/2017	07/11/2017	11/07/2017	11/07/2017	04/07/17	04/07/17	04/07/17	07/11/2017	11/07/2017	11/07/2017	19/04/2017	19/04/2017	19/04/2017	25/05/2017	28/04/2017	21/04/2017	21/04/2017
Phenanthrene	µg/kg	71,500.0	TP363A	LANDFILL MATERIAL	6,200,000	-	-	-	54.2	-	-				<75	-	-	-	-	-	-	-	-	-
Pyrene	µg/kg	84,300.0	TP363A	LANDFILL MATERIAL	150,000,000	-	-	-	171	-	-				279	-	-	-	-	-	-	-	-	-
PAH, Total Detected USEPA 16	µg/kg	712,000.0	TP363A	LANDFILL MATERIAL		-	-	-	1470	-	-				2230	-	-	-	-	-	-	-	-	-
TPH CWG																								
Aliphatics																								
>C5-C6 #M	mg/kg	0.0	N/A	N/A	95,000.00	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
>C6-C8 #M	mg/kg	0.2	TP359	LANDFILL MATERIAL	150,000.00	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
>C8-C10	mg/kg	28.3	TP373	LANDFILL MATERIAL	14,000.00	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
>C10-C12 #M	mg/kg	126.7	TP373	LANDFILL MATERIAL	21,000.00	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	6.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
>C12-C16 #M	mg/kg	84.0	TP378	MADE GROUND - OTHER	25,000.00	<4	<4	<4	-	<4	<4	<4	<4	<4	-	<4	<4	<4	<4	<4	<4	<4	<4	<4
>C16-C21 #M	mg/kg	429.0	TP378	MADE GROUND - OTHER	450,000.00	<7	<7	<7	-	<7	<7	<7	<7	<7	-	<7	<7	<7	<7	<7	<7	<7	<7	<7
>C21-C35 #M	mg/kg	8,339.0	TP373	LANDFILL MATERIAL	45,000.00	<7	<7	<7	-	<7	23	<7	<7	<7	-	11	<7	30	<7	51	<7	<7	<7	<7
Aliphatics >C5-C6	µg/kg	64.0	TP374A	LANDFILL MATERIAL	95,000,000.00	-	-	-	<10	-	-				<10	-	-	-	-	-	-	-	-	-
Aliphatics >C6-C8	µg/kg	568.0	TP363A	LANDFILL MATERIAL	150,000,000.00	-	-	-	<10	-	-				10.1	-	-	-	-	-	-	-	-	-
Aliphatics >C8-C10	µg/kg	1,010.0	TP374A	LANDFILL MATERIAL	14,000,000.00	-	-	-	<10	-	-				<10	-	-	-	-	-	-	-	-	-
Aliphatics >C10-C12	µg/kg	1,210.0	TP359A	LANDFILL MATERIAL	21,000,000.00	-	-	-	<10	-	-				<10	-	-	-	-	-	-	-	-	-
Aliphatics >C12-C16	µg/kg	189,000.0	TP373A	0	25,000,000.00	-	-	-	306	-	-				2710	-	-	-	-	-	-	-	-	-
Aliphatics >C16-C21	µg/kg	154,000.0	TP359A	LANDFILL MATERIAL	450,000,000.00	-	-	-	310	-	-				15600	-	-	-	-	-	-	-	-	-
Aliphatics >C21-C35	µg/kg	9,190,000.0	TP373A	0	45,000,000.00	-	-	-	4620	-	-				83900	-	-	-	-	-	-	-	-	-
Aliphatics >C35-C44	µg/kg	1,370,000.0	TP373A	0	95,000,000,000.00	-	-	-	665	-	-				19400	-	-	-	-	-	-	-	-	-
Total Aliphatics >C12-C44	µg/kg	10,800,000.0	TP373A	0	95,000,000,000.00	-	-	-	5900	-	-				122000	-	-	-	-	-	-	-	-	-
Aromatics																								
>C5-EC7 #	mg/kg	0.0	N/A	N/A	76000	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
>EC7-EC8 #	mg/kg	0.0	N/A	N/A	87000	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
>EC8-EC10 #M	mg/kg	0.0	N/A	N/A	7200	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
>EC10-EC12 #	mg/kg	16.0	TP373	LANDFILL MATERIAL	9200	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
>EC12-EC16 #	mg/kg	125.0	TP363	LANDFILL MATERIAL	10000	<4	<4	<4	-	<4	<4	<4	<4	<4	-	<4	<4	<4	<4	<4	<4	<4	<4	<4
>EC16-EC21 #	mg/kg	802.0	TP363	LANDFILL MATERIAL	7600	<7	<7	<7	-	<7	26	<7	<7	<7	-	<7	<7	<7	<7	<7	10	<7	<7	<7
>EC21-EC35 #	mg/kg	3,721.0	TP373	LANDFILL MATERIAL	7800	<7	<7	<7	-	<7	320	<7	<7	40	-	58	46	58	<7	60	16	34.00	11	<7
Aromatics >EC5-EC7	µg/kg	16.3	TP359A	LANDFILL MATERIAL	76,000,000	-	-	-	<10	-	-				<10	-	-	-	-	-	-	-	-	-
Aromatics >EC7-EC8	µg/kg	273.0	TP363A	LANDFILL MATERIAL	87,000,000	-	-	-	<10	-	-				<10	-	-	-	-	-	-	-	-	-
Aromatics >EC8-EC10	µg/kg	737.0	TP359A	LANDFILL MATERIAL	7,200,000	-	-	-	<10	-	-				18	-	-	-	-	-	-	-	-	-
Aromatics >EC10-EC12	µg/kg	806.0	TP359A	LANDFILL MATERIAL	9,200,000	-	-	-	<10	-	-				<10	-	-	-	-	-	-	-	-	-
Aromatics >EC12-EC16	µg/kg	54,000.0	TP363A	LANDFILL MATERIAL	10,000,000	-	-	-	<100	-	-				1960	-	-	-	-	-	-	-	-	-
Aromatics >EC16-EC21	µg/kg	265,000.0	TP363A	LANDFILL MATERIAL	7,600,000	-	-	-	1260	-	-				9280	-	-	-	-	-	-	-	-	-
Aromatics >EC21-EC35	µg/kg	1,390,000.0	TP363A	LANDFILL MATERIAL	7,800,000	-	-	-	10400	-	-				81900	-	-	-	-	-	-	-	-	-
Aromatics >EC35-EC44	µg/kg	816,000.0	TP363A	LANDFILL MATERIAL	7,800,000	-	-	-	4350	-	-				40100	-	-	-	-	-	-	-	-	-
Aromatics >EC40-EC44	µg/kg	346,000.0	TP363A	LANDFILL MATERIAL	7,800,000	-	-	-	1410	-	-				14600	-	-	-	-	-	-	-	-	-
Total Aromatics >EC12-EC44	µg/kg	2,530,000.0	TP363A	LANDFILL MATERIAL	7,800,000	-	-	-	16100	-	-				133000	-	-	-	-	-	-	-	-	-
TPH CWG																								
Aliphatics																								
Total aliphatics C5-35	mg/kg	8,811.0	TP373	LANDFILL MATERIAL		<19	<19	<19	-	<19	23	<19	<19	<19	-	<19	<19	36	<19	51	<19	<19	<19	<19
Total Aliphatics >C12-C44	µg/kg	10,800,000.0	TP373A	0		-	-	-	5900	-	-				122000	-	-	-	-	-	-	-	-	-
Aromatics																								
Total aromatics C5-35 #	mg/kg	4,065.0	TP373	LANDFILL MATERIAL		<19	<19	<19	-	<19	346	<19	<19	40	-	58	46	58	<19	60	26	34.00	<19	<19
Total Aromatics >EC12-EC44	µg/kg	2,530,000.0	TP363A	LANDFILL MATERIAL		-	-	-	16100	-	-				133000	-	-	-	-	-	-	-	-	-
Total aliphatics and aromatics(C5-35)	mg/kg	12,876.0	TP373	LANDFILL MATERIAL		<38	<38	<38	-	<38	369	<38	<38	40	-	58	46	94	<38	111	<38	<38	<38	<38
Total Aliphatics & Aromatics >C5-C44	µg/kg	11,700,000.0	TP373A	0		-	-	-	19300	-	-				475000	-	-	-	-	-	-	-	-	-

					Sample ID	BH369	BH369	BH369	CP301A	CP301-IP	CP301-IP	BH337	BH337	BH337A	CPT303	CPT303 - IP	CPT303 - IP	BH334	BH334	BH334	BH334 ROT REV1	TP382	BH314A	BH314A
					Depth	0.50	4.50	10.75	0.90-0.90	0.90	0.20-0.30	0.3	4.3	8	0.40-0.40	0.00-0.10	0.40-0.50	4.50	12.00	0.30-0.40	0.50-0.70	2.50	0.40	0.80
					Scheme Area	4E	4E	4E	4E	4E	4E	4H	4H	4H	4H	4H	4H	4E	4E	4E	4E	4E	4F	4F
					Relevant design feature	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert E	A423 Culvert E	A423 Culvert E	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	New Hinksey	New Hinksey
					Material	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	RIVER TERRACE DEPOSITS										MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	ALLUVIUM	ALLUVIUM
					Sampled Date	11/05/2017	12/05/2017	18/05/2017	07/11/2017	11/07/2017	11/07/2017	04/07/17	04/07/17	04/07/17	07/11/2017	11/07/2017	11/07/2017	19/04/2017	19/04/2017	19/04/2017	25/05/2017	28/04/2017	21/04/2017	21/04/2017
MTBE #	ug/kg	0.0	N/A	N/A		<5	<5	<5	<5	<6	<5	<5	<5	<5	<5	<6	<6	<5	<5	<5	<5	<5	<5	<5
Benzene #	ug/kg	16.3	TP359A	LANDFILL MATERIAL	90	<5	<5	<5	<10	<5	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene #	ug/kg	273.0	TP363A	LANDFILL MATERIAL	87000	<5	<5	<5	<2	<3	<5	<5	<5	<5	2.25	<3	<3	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene #	ug/kg	35.5	TP363A	LANDFILL MATERIAL	17000	<5	<5	<5	<3	<3	<5	<5	<5	<5	<3	<3	<3	<5	<5	<5	<5	<5	<5	<5
m/p-Xylene #	ug/kg	101.0	TP359A	LANDFILL MATERIAL	17000	<5	<5	<5	<6	<4	<5	<5	<5	<5	<6	<4	<4	<5	<5	<5	<5	<5	<5	<5
o-Xylene #	ug/kg	35.6	TP359A	LANDFILL MATERIAL	17000	<5	<5	<5	<3	<4	<5	<5	<5	<5	4.5	<4	<4	<5	<5	<5	<5	<5	<5	<5
Total Phenols HPLC	mg/kg	3.4	BH369	RIVER TERRACE DEPOSITS		<0.15	<0.15	3.39	<0.01	-	<0.15	<0.15	<0.15	<0.15	<0.01	-	-	<0.15	<0.15	<0.15	<0.15	<0.15	0.46	<0.15
-tural Moisture Content	%	112.9	TP373	LANDFILL MATERIAL		13.1	17.4	9.8		4.7	6.7	<0.1	15.8	33.8		9.4	7.5	-	-	-	29.2	9.00	16.5	26.4
-tural Moisture Content	%	29.5	BH334	MADE GROUND - A423 EMBANKMENT														25	24.9	29.5		-	-	-
pH #M	pH units	11.9	TP363A	LANDFILL MATERIAL		8.67	8.5	8.83	8.79	-	7.8	7.99	8.08	7.66	7.92	-	-	7.8	8.08	7.85	7.93	8.06	8.19	8.72
Sample Type	None	0.0	N/A	N/A		Clay	Clay	Clayey Sand	Sandy Clay Loam	Clay	Loam	Clay	Clay	Clay	Sandy Loam	Clayey Loam	Loam	NDP	NDP	NDP	Clay	Clayey Loam	Loam	Clay
Sample Colour	None	0.0	N/A	N/A		Light Brown	Light Brown	Medium Brown	Light Brown	Light Brown	Dark Brown	Light Brown	Light Brown	Medium Brown	Dark Brown	Medium Brown	Medium Brown	NDP	NDP	NDP	Medium Brown	Dark Brown	Medium Brown	Medium Brown
Other Items	None	0.0	N/A	N/A		stones	stones	STONES	Stones	stones	stones, roots	Stones	Chalk	Stones and Sand	Glass & Stones	stones, roots, brick	stones, roots, plastic	NDP	NDP	NDP	Sand and stones	stones	roots	'-
Moisture Content*	%	151.0	TP344	ORGANIC ALLUVIUM		NDP	18.4	NDP		-	NDP	22	20	64		-	-	NDP	NDP	NDP	17.3	26.20	24	26.2
Bulk Density*	mg/m3	2.1	BH369	MADE GROUND - A423 EMBANKMENT		NDP	2.09	NDP		-	NDP	2.02	1.98	1.53		-	-	NDP	NDP	NDP	1.67	1.92	1.64	1.86
Dry Density*	mg/m3	1.8	TP314	MADE GROUND - OTHER		NDP	1.77	NDP		-	NDP	1.66	1.65	0.93		-	-	NDP	NDP	NDP	1.42	1.52	1.32	1.47
Asbestos																								
General Description (Bulk A'-lysis)	None	0.0	N/A	N/A		soil/stones	soil/stones	Soil/Stone		-	Soil/Stone	Soil - silt/clay/brick/stone	Soil - silt/clay/brick/stone	Soil - silt/clay/brick/stone		-	-	Soil/Stone	Soil/Stone	Soil/Stone	soil/stones	soil-stones	Soil/Stone	Soil/Stone
Asbestos Fibres	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	-	NAD	NAD	NAD	NAD	NAD	-	-	Fibre Bundles	Fibre Bundles	Fibre Bundles	NAD	NAD	NA	NA
Asbestos Fibres (2)	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	-	NAD	NAD	NAD	NAD	NAD	-	-	NA	NA	NA	NAD	NAD	NA	NA
Asbestos ACM	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	-	NAD	NAD	NAD	NAD	NAD	-	-	NAD	NAD	NAD	NAD	NAD	NA	NA
Asbestos ACM (2)	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	-	NAD	NAD	NAD	NAD	NAD	-	-	NA	NA	NA	NAD	NAD	NA	NA
Asbestos Type #	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	-	NAD	NAD	NAD	NAD	NAD	-	-	Chrysotile	Chrysotile	Amosite	NAD	NAD	NA	NA
Asbestos Type (2) #	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	-	NAD	NAD	NAD	NAD	NAD	-	-	NA	NA	NA	NAD	NAD	NA	NA
Asbestos Level Screen	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	-	NAD	NAD	NAD	NAD	NAD	-	-	<0.1%	<0.1%	<0.1%	NAD	NAD	NA	NA
Mass of Dry Sample	g	56.9	BH365FH	RIVER TERRACE DEPOSITS		-	-	-	-	-	-				-	-	-	46.5	49.8	46.7	-	-	-	-
Asbestos Gravimetric Quantification	mass %	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	<0.001	<0.001	<0.001	-	-	-	-
Asbestos PCOM Quantification (Fibres)	mass %	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	<0.001	<0.001	<0.001	-	-	-	-
Asbestos Gravimetric & PCOM Total	mass %	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	<0.001	<0.001	<0.001	-	-	-	-
Available Phosphorus (Index)	mg/l					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VOC MS																								
Dichlorodifluoromethane	ug/kg	0.0	N/A	N/A		-	-	-	<6	<2	-	-	-	-	<60	<2	<2	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether #M	ug/kg	0.0	N/A	N/A		-	-	-	<10	<6	-	-	-	-	<100	<6	<6	-	-	-	-	-	-	-
Chloromethane #	ug/kg	25.0	TP362	LANDFILL MATERIAL		-	-	-	<7	<3	-	-	-	-	<70	8	5	-	-	-	-	-	-	-
Vinyl Chloride	ug/kg	11.4	TP374A	LANDFILL MATERIAL		-	-	-	<6	<2	-	-	-	-	<60	<2	<2	-	-	-	-	-	-	-
Bromomethane	ug/kg	0.0	N/A	N/A		-	-	-	<10	<1	-	-	-	-	<100	<1	<1	-	-	-	-	-	-	-
Chloroethane #M	ug/kg	0.0	N/A	N/A		-	-	-	<10	<6	-	-	-	-	<100	<6	<6	-	-	-	-	-	-	-
Trichlorofluoromethane #M	ug/kg	0.0	N/A	N/A		-	-	-	<6	<3	-	-	-	-	<60	<3	<3	-	-	-	-	-	-	-
1,1-Dichloroethene (1,1 DCE) #M	ug/kg	0.0	N/A	N/A		-	-	-	<10	<6	-	-	-	-	<100	<6	<6	-	-	-	-	-	-	-
Dichloromethane (DCM) #	ug/kg	477.0	TP363A	LANDFILL MATERIAL		-	-	-	13.6	<30	-	-	-	-	<100	<30	<30	-	-	-	-	-	-	-
trans-1-2-Dichloroethene #	ug/kg	0.0	N/A	N/A		-	-	-	<10	<3	-	-	-	-	<100	<3	<3	-	-	-	-	-	-	-
1,1-Dichloroethane #M	ug/kg	0.0	N/A	N/A		-	-	-	<8	<6	-	-	-	-	<80	<6	<6	-	-	-	-	-	-	-
cis-1-2-Dichloroethene #M	ug/kg	160.0	TP374A	LANDFILL MATERIAL		-	-	-	<6	<7	-	-	-	-	<60	<7	<7	-	-	-	-	-	-	-
2,2-Dichloropropane	ug/kg	0.0	N/A	N/A		-	-	-	<10	<4	-	-	-	-	<100	<4	<4	-	-	-	-	-	-	-
Bromochloromethane #M	ug/kg	0.0	N/A	N/A		-	-	-	<10	<4	-	-	-	-	<100	<4	<4	-	-	-	-	-	-	-
Chloroform #M	ug/kg	0.0	N/A	N/A		-	-	-	<8	<5	-	-	-	-	<80	<5	<5	-	-	-	-	-	-	-
1,1,1-Trichloroethane #M	ug/kg	0.0	N/A	N/A		-	-	-	<7	<5	-	-	-	-	<70	<5	<5	-	-	-	-	-	-	-

					Sample ID	BH369	BH369	BH369	CP301A	CPT301-IP	CPT301-IP	BH337	BH337	BH337A	CPT303	CPT303 - IP	CPT303 - IP	BH334	BH334	BH334	BH334 ROT REV1	TP382	BH314A	BH314A
					Depth	0.50	4.50	10.75	0.90-0.90	0.90	0.20-0.30	0.3	4.3	8	0.40-0.40	0.00-0.10	0.40-0.50	4.50	12.00	0.30-0.40	0.50-0.70	2.50	0.40	0.80
					Scheme Area	4E	4E	4E	4E	4E	4E	4H	4H	4H	4H	4H	4H	4E	4E	4E	4E	4E	4F	4F
					Relevant design feature	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert E	A423 Culvert E	A423 Culvert E	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	New Hinksey	New Hinksey
					Material	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	RIVER TERRACE DEPOSITS										MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	ALLUVIUM	ALLUVIUM
					Sampled Date	11/05/2017	12/05/2017	18/05/2017	07/11/2017	11/07/2017	11/07/2017	04/07/17	04/07/17	04/07/17	07/11/2017	11/07/2017	11/07/2017	19/04/2017	19/04/2017	19/04/2017	25/05/2017	28/04/2017	21/04/2017	21/04/2017
1,1-Dichloropropene [#]	ug/kg	0.0	N/A	N/A		-	-	-	<10	<3	-	-	-	-	<100	<3	<3	-	-	-	-	-	-	-
Carbon tetrachloride [#M]	ug/kg	0.0	N/A	N/A		-	-	-	<10	<4	-	-	-	-	<100	<4	<4	-	-	-	-	-	-	-
1,2-Dichloroethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	<5	<5	-	-	-	-	<50	<5	<5	-	-	-	-	-	-	-
Benzene [#M]	ug/kg	16.0	TP359	LANDFILL MATERIAL		-	-	-	<9	<5	-	-	-	-	<90	<5	<5	-	-	-	-	-	-	-
Trichloroethene (TCE) [#M]	ug/kg	139.0	TP374A	LANDFILL MATERIAL		-	-	-	<9	<5	-	-	-	-	<90	<5	<5	-	-	-	-	-	-	-
1,2-Dichloropropane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	<10	<4	-	-	-	-	<100	<4	<4	-	-	-	-	-	-	-
Dibromomethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	<9	<4	-	-	-	-	<90	<4	<4	-	-	-	-	-	-	-
Bromodichloromethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	<7	<4	-	-	-	-	<70	<4	<4	-	-	-	-	-	-	-
cis-1-3-Dichloropropene	ug/kg	0.0	N/A	N/A		-	-	-	<10	<4	-	-	-	-	<100	<4	<4	-	-	-	-	-	-	-
Toluene [#M]	ug/kg	24.0	TP359	LANDFILL MATERIAL		-	-	-	<7	<3	-	-	-	-	<70	<3	<3	-	-	-	-	-	-	-
trans-1-3-Dichloropropene	ug/kg	0.0	N/A	N/A		-	-	-	<10	<3	-	-	-	-	<100	<3	<3	-	-	-	-	-	-	-
1,1,2-Trichloroethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	<10	<4	-	-	-	-	<100	<4	<4	-	-	-	-	-	-	-
Tetrachloroethene (PCE) [#]	ug/kg	847.0	TP374A	LANDFILL MATERIAL		-	-	-	<5	<3	-	-	-	-	353	7	9	-	-	-	-	-	-	-
1,3-Dichloropropane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	<7	<4	-	-	-	-	<70	<4	<4	-	-	-	-	-	-	-
Dibromochloromethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	<10	<5	-	-	-	-	<100	<5	<5	-	-	-	-	-	-	-
1,2-Dibromoethane [#]	ug/kg	0.0	N/A	N/A		-	-	-	<10	<3	-	-	-	-	<100	<3	<3	-	-	-	-	-	-	-
Chlorobenzene [#M]	ug/kg	79.0	TP373	LANDFILL MATERIAL		-	-	-	<5	<4	-	-	-	-	<50	<4	<4	-	-	-	-	-	-	-
1,1,1,2-Tetrachloroethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	<10	<5	-	-	-	-	<100	<5	<5	-	-	-	-	-	-	-
Ethylbenzene [#M]	ug/kg	19.0	TP363	LANDFILL MATERIAL		-	-	-	<4	<3	-	-	-	-	<40	<3	<3	-	-	-	-	-	-	-
p/m-Xylene [#M]	ug/kg	95.0	TP359	LANDFILL MATERIAL		-	-	-	<10	<4	-	-	-	-	<100	<4	<4	-	-	-	-	-	-	-
o-Xylene [#M]	ug/kg	35.0	TP359	LANDFILL MATERIAL		-	-	-	<10	<4	-	-	-	-	<100	<4	<4	-	-	-	-	-	-	-
Styrene	ug/kg	28.0	TP359	LANDFILL MATERIAL		-	-	-	<10	<3	-	-	-	-	<100	<3	<3	-	-	-	-	-	-	-
Bromoform	ug/kg	0.0	N/A	N/A		-	-	-	<10	<4	-	-	-	-	<100	<4	<4	-	-	-	-	-	-	-
Isopropylbenzene [#]	ug/kg	62.0	TP373	LANDFILL MATERIAL		-	-	-	<5	<3	-	-	-	-	<50	<3	<3	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	<10	<3	-	-	-	-	<100	<3	<3	-	-	-	-	-	-	-
Bromobenzene	ug/kg	0.0	N/A	N/A		-	-	-	<10	<2	-	-	-	-	<100	<2	<2	-	-	-	-	-	-	-
1,2,3-Trichloropropane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	<16	<4	-	-	-	-	<160	<4	<4	-	-	-	-	-	-	-
Propylbenzene [#]	ug/kg	27.0	TP363	LANDFILL MATERIAL		-	-	-	<10	<4	-	-	-	-	<100	<4	<4	-	-	-	-	-	-	-
2-Chlorotoluene	ug/kg	0.0	N/A	N/A		-	-	-	<9	<3	-	-	-	-	<90	<3	<3	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene [#]	ug/kg	85.0	TP359	LANDFILL MATERIAL		-	-	-	<8	<3	-	-	-	-	<80	<3	<3	-	-	-	-	-	-	-
4-Chlorotoluene	ug/kg	0.0	N/A	N/A		-	-	-	<10	<3	-	-	-	-	<100	<3	<3	-	-	-	-	-	-	-
tert-Butylbenzene [#]	ug/kg	0.0	N/A	N/A		-	-	-	<14	<5	-	-	-	-	<140	<5	<5	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene [#]	ug/kg	314.0	TP363	LANDFILL MATERIAL		-	-	-	<9	<6	-	-	-	-	<90	<6	<6	-	-	-	-	-	-	-
sec-Butylbenzene [#]	ug/kg	368.0	TP373	LANDFILL MATERIAL		-	-	-	<10	<4	-	-	-	-	<100	<4	<4	-	-	-	-	-	-	-
4-Isopropyltoluene [#]	ug/kg	2,879.0	TP362	LANDFILL MATERIAL		-	-	-	<10	<4	-	-	-	-	<100	<4	<4	-	-	-	-	-	-	-
1,3-Dichlorobenzene [#M]	ug/kg	0.0	N/A	N/A		-	-	-	<8	<4	-	-	-	-	<80	<4	<4	-	-	-	-	-	-	-
1,4-Dichlorobenzene [#]	ug/kg	460.0	TP373	LANDFILL MATERIAL		-	-	-	<5	<4	-	-	-	-	<50	<4	<4	-	-	-	-	-	-	-
n-Butylbenzene [#]	ug/kg	25.0	TP363	LANDFILL MATERIAL		-	-	-	<11	<4	-	-	-	-	<110	<4	<4	-	-	-	-	-	-	-
1,2-Dichlorobenzene [#M]	ug/kg	6.0	TP363	LANDFILL MATERIAL		-	-	-	<10	<4	-	-	-	-	<100	<4	<4	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane [#]	ug/kg	0.0	N/A	N/A		-	-	-	<14	<4	-	-	-	-	<140	<4	<4	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene [#]	ug/kg	0.0	N/A	N/A		-	-	-	<20	<7	-	-	-	-	<200	<7	<7	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/kg	0.0	N/A	N/A		-	-	-	<20	<4	-	-	-	-	<200	<4	<4	-	-	-	-	-	-	-
Naphthalene	ug/kg	238.0	TP363A	LANDFILL MATERIAL		-	-	-	<13	<27					<130	<27	<27				-	-		
1,2,3-Trichlorobenzene [#]	ug/kg	0.0	N/A	N/A		-	-	-	<20	<7	-	-	-	-	<200	<7	<7	-	-	-	-	-	-	-
Surrogate Recovery Toluene D8	%					-	-	-	99.8	93	-	-	-	-	84.7	89	90	-	-	-	-	-	-	-
Surrogate Recovery 4-Bromofluorobenzene	%					-	-	-	98.2	104	-	-	-	-	71.3	87	88	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	<6	-	-	-	-	-	<6	<6	-	-	-	-	-	-	-
Benzene [#M]	ug/kg	16.0	TP359	LANDFILL MATERIAL		-	-	-	-	<5	-	-	-	-	-	<5	<5	-	-	-	-	-	-	-
Toluene [#M]	ug/kg	24.0	TP359	LANDFILL MATERIAL		-	-	-	-	<3	-	-	-	-	-	<3	<3	-	-	-	-	-	-	-
Ethylbenzene [#M]	ug/kg	19.0	TP363	LANDFILL MATERIAL		-	-	-	-	<3	-	-	-	-	-	<3	<3	-	-	-	-	-	-	-
p/m-Xylene [#M]	ug/kg	95.0	TP359	LANDFILL MATERIAL		-	-	-	-	<4	-	-	-	-	-	<4	<4	-	-	-	-	-	-	-
o-Xylene [#M]	ug/kg	35.0	TP359	LANDFILL MATERIAL		-	-	-	-	<4	-	-	-	-	-	<4	<4	-	-	-	-	-	-	-

					Sample ID	BH369	BH369	BH369	CP301A	CPT301-IP	CPT301-IP	BH337	BH337	BH337A	CPT303	CPT303 - IP	CPT303 - IP	BH334	BH334	BH334	BH334 ROT REV1	TP382	BH314A	BH314A
					Depth	0.50	4.50	10.75	0.90-0.90	0.90	0.20-0.30	0.3	4.3	8	0.40-0.40	0.00-0.10	0.40-0.50	4.50	12.00	0.30-0.40	0.50-0.70	2.50	0.40	0.80
					Scheme Area	4E	4E	4E	4E	4E	4E	4H	4H	4H	4H	4H	4H	4E	4E	4E	4E	4E	4F	4F
					Relevant design feature	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert E	A423 Culvert E	A423 Culvert E	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	New Hinksey	New Hinksey
					Material	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	RIVER TERRACE DEPOSITS										MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	ALLUVIUM	ALLUVIUM
					Sampled Date	11/05/2017	12/05/2017	18/05/2017	07/11/2017	11/07/2017	11/07/2017	04/07/17	04/07/17	04/07/17	07/11/2017	11/07/2017	11/07/2017	19/04/2017	19/04/2017	19/04/2017	25/05/2017	28/04/2017	21/04/2017	21/04/2017
Surrogate Recovery Toluene D8	%					-	-	-	-	93	-	-	-	-	-	89	90	-	-	-	-	-	-	-
Surrogate Recovery 4-Bromofluorobenzene	%					-	-	-	-	104	-	-	-	-	-	87	88	-	-	-	-	-	-	-
SVOC MS																								
Phenols																								
2-Chlorophenol #M	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
2-Methylphenol	ug/kg	37,500.0	TP363A	LANDFILL MATERIAL		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
2-Nitrophenol	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
2,4-Dichlorophenol #M	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/kg	200.0	TP375	LANDFILL MATERIAL		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
4-Methylphenol	ug/kg	15,200.0	TP363A	LANDFILL MATERIAL		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
4-Nitrophenol	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
Pentachlorophenol	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
Phenol #M	ug/kg	71,300.0	TP363A	LANDFILL MATERIAL		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
PAHs																								
2-Chloro'-phthalene #M	ug/kg	43.0	TP363	LANDFILL MATERIAL		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
2-Methyl'-phthalene #M	ug/kg	1,763.0	TP363	LANDFILL MATERIAL		-	-	-	<100	<10	-	-	-	-	<100	73	34	-	-	-	-	-	-	-
-phthalene	ug/kg	1,400.0	TP363A	LANDFILL MATERIAL		-	-	-	<100	<10	-	-	-	-	<100	288	56	-	-	-	-	-	-	-
Ace'-phthylene	ug/kg	1,682.0	TP375	LANDFILL MATERIAL		-	-	-	<100	<10	-	-	-	-	<100	724	120	-	-	-	-	-	-	-
Ace'-phthene	ug/kg	7,757.0	TP363	LANDFILL MATERIAL		-	-	-	<100	<10	-	-	-	-	<100	78	52	-	-	-	-	-	-	-
Fluorene	ug/kg	7,803.0	TP363	LANDFILL MATERIAL		-	-	-	<100	<10	-	-	-	-	<100	63	48	-	-	-	-	-	-	-
Phe'-nthrene #M	ug/kg	41,418.0	TP363	LANDFILL MATERIAL		-	-	-	<100	<10	-	-	-	-	140	741	698	-	-	-	-	-	-	-
Anthracene	ug/kg	22,190.0	TP375	LANDFILL MATERIAL		-	-	-	<100	<10	-	-	-	-	<100	404	218	-	-	-	-	-	-	-
Fluoranthene #M	ug/kg	61,252.0	TP363	LANDFILL MATERIAL		-	-	-	225	17	-	-	-	-	437	1738	1456	-	-	-	-	-	-	-
Pyrene #M	ug/kg	67,710.0	TP363	LANDFILL MATERIAL		-	-	-	249	16	-	-	-	-	501	1597	1346	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/kg	36,676.0	TP375	LANDFILL MATERIAL		-	-	-	166	<10	-	-	-	-	316	1012	942	-	-	-	-	-	-	-
Chrysene	ug/kg	39,214.0	TP363	LANDFILL MATERIAL		-	-	-	171	<10	-	-	-	-	349	1291	897	-	-	-	-	-	-	-
Benzo(bk)fluoranthene	ug/kg	62,614.0	TP375	LANDFILL MATERIAL		-	-	-	-	<10	-	-	-	-	-	3037	1640	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/kg	33,730.0	TP363	LANDFILL MATERIAL		-	-	-	181	<10	-	-	-	-	388	1989	958	-	-	-	-	-	-	-
Indeno(123cd)pyrene	ug/kg	20,257.0	TP375	LANDFILL MATERIAL		-	-	-	157	<10	-	-	-	-	521	1454	549	-	-	-	-	-	-	-
Dibenzo(ah)anthracene	ug/kg	9,257.0	TP375	LANDFILL MATERIAL		-	-	-	<100	<10	-	-	-	-	<100	441	196	-	-	-	-	-	-	-
Benzo(ghi)perylene	ug/kg	21,352.0	TP363	LANDFILL MATERIAL		-	-	-	137	<10	-	-	-	-	497	1847	673	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/kg	45,082.0	TP375	LANDFILL MATERIAL		-	-	-	140	<10	-	-	-	-	383	2187	1181	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/kg	17,532.0	TP375	LANDFILL MATERIAL		-	-	-	135	<10	-	-	-	-	314	850	459	-	-	-	-	-	-	-
Phthalates																								
Bis(2-ethylhexyl) phthalate	ug/kg	207,000.0	TP373A	0		-	-	-	<100	<100	-	-	-	-	<100	<100	<100	-	-	-	-	-	-	-
Butylbenzyl phthalate	ug/kg	464.0	TP375A	LANDFILL MATERIAL		-	-	-	<100	<100	-	-	-	-	<100	<100	<100	-	-	-	-	-	-	-
Di-n-butyl phthalate	ug/kg	4,830.0	TP360A	LANDFILL MATERIAL		-	-	-	<100	<100	-	-	-	-	282	<100	<100	-	-	-	-	-	-	-
Di-n-Octyl phthalate	ug/kg	336.0	TP375A	LANDFILL MATERIAL		-	-	-	<100	<100	-	-	-	-	<100	<100	<100	-	-	-	-	-	-	-
Diethyl phthalate	ug/kg	1,260.0	TP360A	LANDFILL MATERIAL		-	-	-	<100	<100	-	-	-	-	<100	<100	<100	-	-	-	-	-	-	-
Dimethyl phthalate #M	ug/kg	0.0	N/A	N/A		-	-	-	<100	<100	-	-	-	-	<100	<100	<100	-	-	-	-	-	-	-
Other SVOCs																								
1,2-Dichlorobenzene	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene #M	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/kg	2,427.0	TP363	LANDFILL MATERIAL		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
2-Nitroaniline	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
3-Nitroaniline	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-

					Sample ID	BH369	BH369	BH369	CP301A	CPT301-IP	CPT301-IP	BH337	BH337	BH337A	CPT303	CPT303 - IP	CPT303 - IP	BH334	BH334	BH334	BH334 ROT REV1	TP382	BH314A	BH314A
					Depth	0.50	4.50	10.75	0.90-0.90	0.90	0.20-0.30	0.3	4.3	8	0.40-0.40	0.00-0.10	0.40-0.50	4.50	12.00	0.30-0.40	0.50-0.70	2.50	0.40	0.80
					Scheme Area	4E	4E	4E	4E	4E	4E	4H	4H	4H	4H	4H	4H	4E	4E	4E	4E	4E	4F	4F
					Relevant design feature	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert E	A423 Culvert E	A423 Culvert E	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	New Hinksey	New Hinksey
					Material	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	RIVER TERRACE DEPOSITS										MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	ALLUVIUM	ALLUVIUM
					Sampled Date	11/05/2017	12/05/2017	18/05/2017	07/11/2017	11/07/2017	11/07/2017	04/07/17	04/07/17	04/07/17	07/11/2017	11/07/2017	11/07/2017	19/04/2017	19/04/2017	19/04/2017	25/05/2017	28/04/2017	21/04/2017	21/04/2017
4-Bromophenylphenylether #M	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
4-Chloroaniline	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
4-Chlorophenylphenylether	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
4-Nitroaniline	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
Azobenzene	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
Bis(2-chloroethoxy)methane	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
Bis(2-chloroethyl)ether	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
Carbazole	ug/kg	7,430.0	TP375	LANDFILL MATERIAL		-	-	-	<100	<10	-	-	-	-	<100	93	70	-	-	-	-	-	-	-
Dibenzofuran #M	ug/kg	3,091.0	TP363	LANDFILL MATERIAL		-	-	-	<100	<10	-	-	-	-	<100	78	32	-	-	-	-	-	-	-
Hexachlorobenzene	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
Hexachlorobutadiene #M	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
Hexachloroethane	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
Isophorone #M	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
N-nitrosodi-n-propylamine #M	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
Nitrobenzene #M	ug/kg	0.0	N/A	N/A		-	-	-	<100	<10	-	-	-	-	<100	<10	<10	-	-	-	-	-	-	-
PCBS																								
PCB 28 #	ug/kg	2,970.0	TP359A	LANDFILL MATERIAL		-	-	-	<3	<5	-				<3	<5	<5	-	-	-	-	-	-	-
PCB 52 #	ug/kg	784.0	TP374A	LANDFILL MATERIAL		-	-	-	<3	<5	-				4.16	<5	<5	-	-	-	-	-	-	-
PCB 101 #	ug/kg	673.0	TP359	LANDFILL MATERIAL		-	-	-	<3	<5	-				18.2	<5	<5	-	-	-	-	-	-	-
PCB 118 #	ug/kg	646.0	TP359	LANDFILL MATERIAL		-	-	-	<3	<5	-				7.89	<5	<5	-	-	-	-	-	-	-
PCB 138 #	ug/kg	628.0	TP359	LANDFILL MATERIAL		-	-	-	<3	<5	-				26.9	5	8	-	-	-	-	-	-	-
PCB 153 #	ug/kg	402.0	TP359	LANDFILL MATERIAL		-	-	-	<3	<5	-				20	<5	<5	-	-	-	-	-	-	-
PCB 180 #	ug/kg	83.0	TP359	LANDFILL MATERIAL		-	-	-	<3	<5	-				8.94	<5	<5	-	-	-	-	-	-	-
Total 7 PCBs #	ug/kg	4,030.0	TP359A	LANDFILL MATERIAL		-	-	-	<21	<35	-				86	<35	<35	-	-	-	-	-	-	-
PCB congener 81	µg/kg	0.0	N/A	N/A		-	-	-	<3	-	-				<3	-	-	-	-	-	-	-	-	-
PCB congener 77	µg/kg	83.8	TP359A	LANDFILL MATERIAL		-	-	-	<3	-	-				<3	-	-	-	-	-	-	-	-	-
PCB congener 123	µg/kg	0.0	N/A	N/A		-	-	-	<3	-	-				<3	-	-	-	-	-	-	-	-	-
PCB congener 114	µg/kg	0.0	N/A	N/A		-	-	-	<3	-	-				<3	-	-	-	-	-	-	-	-	-
PCB congener 105	µg/kg	74.1	TP359A	LANDFILL MATERIAL		-	-	-	<3	-	-				3.75	-	-	-	-	-	-	-	-	-
PCB congener 126	µg/kg	0.0	N/A	N/A		-	-	-	<3	-	-				<3	-	-	-	-	-	-	-	-	-
PCB congener 167	µg/kg	8.0	TP374A	LANDFILL MATERIAL		-	-	-	<3	-	-				<3	-	-	-	-	-	-	-	-	-
PCB congener 156	µg/kg	7.2	TP374A	LANDFILL MATERIAL		-	-	-	<3	-	-				<3	-	-	-	-	-	-	-	-	-
PCB congener 157	µg/kg	0.0	N/A	N/A		-	-	-	<3	-	-				<3	-	-	-	-	-	-	-	-	-
PCB congener 169	µg/kg	0.0	N/A	N/A		-	-	-	<3	-	-				<3	-	-	-	-	-	-	-	-	-
PCB congener 189	µg/kg	0.0	N/A	N/A		-	-	-	<3	-	-				<3	-	-	-	-	-	-	-	-	-
Sum of detected WHO 12 PCBs	µg/kg	294.0	TP359A	LANDFILL MATERIAL		-	-	-	<36	-	-				<36	-	-	-	-	-	-	-	-	-
Combined Pesticides																								
Tec'-zene	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
Hexachlorobenzene	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
Trifluralin	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
Phorate	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane (I	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
Quintozene (PCNB)	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
Triallate	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
gamma-Hexachlorocyclohexane	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
Disulfoton	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
Heptachlor	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
Aldrin	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
Chlorothalonil	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-

					Sample ID	BH369	BH369	BH369	CP301A	CPT301-IP	CPT301-IP	BH337	BH337	BH337A	CPT303	CPT303 - IP	CPT303 - IP	BH334	BH334	BH334	BH334 ROT REV1	TP382	BH314A	BH314A
					Depth	0.50	4.50	10.75	0.90-0.90	0.90	0.20-0.30	0.3	4.3	8	0.40-0.40	0.00-0.10	0.40-0.50	4.50	12.00	0.30-0.40	0.50-0.70	2.50	0.40	0.80
					Scheme Area	4E	4E	4E	4E	4E	4E	4H	4H	4H	4H	4H	4H	4E	4E	4E	4E	4E	4F	4F
					Relevant design feature	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert E	A423 Culvert E	A423 Culvert E	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	New Hinksey	New Hinksey
					Material	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	RIVER TERRACE DEPOSITS										MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	MADE GROUND - A423 EMBANKMENT	ALLUVIUM	ALLUVIUM
					Sampled Date	11/05/2017	12/05/2017	18/05/2017	07/11/2017	11/07/2017	11/07/2017	04/07/17	04/07/17	04/07/17	07/11/2017	11/07/2017	11/07/2017	19/04/2017	19/04/2017	19/04/2017	25/05/2017	28/04/2017	21/04/2017	21/04/2017
Telodrin	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
beta-Hexachlorocyclohexane (H	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
Isodrin	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
Heptachlor epoxide	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
Triadimefon	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
Pendimethalin	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
o,p-DDE	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
Endosulphan I	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
Trans-chlordane	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
cis-Chlordane	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
p,p-DDE	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
Dieldrin	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
o,p'-DDD (TDE)	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
Endrin	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
o,p-DDT	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
p,p-TDE (DDD)	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
Endosulphan II	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
p,p-DDT	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
o,p-Methoxychlor	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
p,p-Methoxychlor	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
Endosulphan sulphate	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
Permethrin I	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-
Permethrin II	µg/kg	0.0	N/A	N/A		-	-	-	-						-			-	-	-	-	-	-	-

					Sample ID	BH357	BH357	BH367 FH	BH367 FH	TP338	TP341	TP341	TP342	BH365FH	BH365FH	BH326	BH329	BH330	BH332	BH342	BH346	TP360	TP360	TP360
					Depth	0.30	0.60	0.30	0.70	0.40	0.10	0.30	1.60	0.20	1.00	1.80	2.80	2.70	0.60-1.20	2.80	3.00	0.40	1.40	1.65
					Scheme Area	4F	4F	3D	3D	4F	4F	4F	4F	3D	3D	4D	4D	4D	4D	4D	4D	4D	4D	4D
					Relevant design feature	New Hinksey	New Hinksey	Ferry Hinksey	Ferry Hinksey	New Hinksey	New Hinksey	New Hinksey	New Hinksey	Ferry Hinksey	Ferry Hinksey	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill
					Material	MADE GROUND - OTHER	ALLUVIUM	MADE GROUND - OTHER	ALLUVIUM	ALLUVIUM	TOPSOIL	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	MADE GROUND - OTHER	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	MADE GROUND - OTHER	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER
					Sampled Date	19/04/2017 13:30	19/04/2017 14:00	25/05/2017	25/05/2017	20/04/2017	18/04/2017	18/04/2017	18/04/2017	25/05/2017	25/05/2017	21/04/2017	04/05/2017	02/05/2017	23/05/2017	02/05/2017	03/05/2017	19/04/2017	19/04/2017	19/04/2017
Test	**Units**	**Max**	**Location of max**	**Strata**	**Criteria**																			
Fraction Organic Carbon	None	0.2	TP373A	0		0.031	0.004	0.024	0.013	0.005	0.039	0.002	0.007	0.008	<0.001	-	-	-	0.024	-	-	-	-	-
Moisture Content 105C (% Dry Weight)	%	192.3	TP379	LANDFILL MATERIAL		23	28.2	18.3	18.3	26.2	32.6	78.3	28.1	16.3	9.7	18.8	24	20.2	-	13	19.1	46.20	32.20	29.50
Dry Matter Content Ratio 105°C	%	92.7	TP302	ALLUVIUM		81.3	78	84.6	84.6	79.2	75.4	56.1	78.1	86	91.2	84.1	80.6	83.2	-	88.5	84	68.40	75.70	77.20
Sulphate as SO4 (2:1 Ext) #M	g/l	1.4	BH337A	0		<0.0015	<0.0015	<0.0015	0.0138	<0.0015	0.0043	0.0255	0.0076	0.013	0.0166	-	-	-	0.0606	-	-	-	-	-
Metals																								
Arsenic #M	mg/kg	193.3	BH365FH	RIVER TERRACE DEPOSITS	170	27.9	28.3	15.7	18.7	37.5	30.7	22.4	23.9	19.5	193.3	-	-	-	28.7	-	-	-	-	-
Cadmium #M	mg/kg	16.7	TP374A	LANDFILL MATERIAL	532	0.2	<0.1	0.4	0.1	<0.1	0.9	0.2	<0.1	0.1	<0.1	-	-	-	0.2	-	-	-	-	-
Chromium #M	mg/kg	416.0	TP373A	0	33000	51.9	98.7	41.9	67	79.8	65.5	64.3	35.9	42.3	60.4	-	-	-	52.4	-	-	-	-	-
Hexavalent Chromium #	mg/kg	2.7	TP360A	LANDFILL LINER	220	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	-	-	-	<0.3	-	-	-	-	-
Copper #M	mg/kg	22,600.0	TP360A	LANDFILL LINER	44000	22	9	14	6	11	45	10	5	22	<1	-	-	-	47	-	-	-	-	-
Lead #M	mg/kg	2,000.0	TP373A	0	630	87	22	44	19	17	189	23	10	18	29	-	-	-	119	-	-	-	-	-
Mercury #M	mg/kg	4.1	TP373A	0	30	0.4	<0.1	<0.1	<0.1	<0.1	0.7	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-	-	-	-	-
Nickel #M	mg/kg	95.9	TP362A	LANDFILL MATERIAL	3400	29	32.1	21.9	36.8	40	34.1	35.8	15.8	20.6	56.8	-	-	-	34	-	-	-	-	-
Water Soluble Boron #M	mg/kg	71.5	TP362A	LANDFILL MATERIAL	46000	3.3	1.7	3.3	3.6	1.2	6.4	5.3	0.3	1.5	0.7	-	-	-	2.1	-	-	-	-	-
Zinc #M	mg/kg	6,250.0	TP373A	0		114	76	96	118	82	236	102	35	118	142	-	-	-	186	-	-	-	-	-
PAH MS																								
Acenaphthene #M	mg/kg	0.9	BH302	MADE GROUND - OTHER	29000	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	-	<0.05	-	-	-	-	-
Acenaphthylene	mg/kg	8.4	BH302	MADE GROUND - OTHER	29000	0.06	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	-	-	-	<0.03	-	-	-	-	-
Anthracene #	mg/kg	13.4	BH302	MADE GROUND - OTHER	150000	<0.04	<0.04	0.12	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	-	-	-	<0.04	-	-	-	-	-
Benzo(a)anthracene #	mg/kg	19.5	BH302	MADE GROUND - OTHER	49	0.38	<0.06	0.46	<0.06	<0.06	0.17	<0.06	<0.06	<0.06	<0.06	-	-	-	0.09	-	-	-	-	-
Benzo(a)pyrene #	mg/kg	16.3	BH302	MADE GROUND - OTHER	11	0.48	<0.04	0.36	<0.04	<0.04	0.17	<0.04	<0.04	<0.04	<0.04	-	-	-	<0.04	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	19.0	BH302	MADE GROUND - OTHER	13	0.5	<0.05	0.42	<0.05	<0.05	0.19	<0.05	<0.05	<0.05	<0.05	-	-	-	0.09	-	-	-	-	-
Benzo(ghi)perylene #	mg/kg	9.4	BH302	MADE GROUND - OTHER	1400	0.36	<0.04	0.22	<0.04	<0.04	0.12	<0.04	<0.04	<0.04	<0.04	-	-	-	0.05	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	7.4	BH302	MADE GROUND - OTHER	370	0.2	<0.02	0.16	<0.02	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	-	-	-	0.03	-	-	-	-	-
Chrysene #M	mg/kg	19.4	BH302	MADE GROUND - OTHER	93	0.32	<0.02	0.42	<0.02	<0.02	0.14	<0.02	<0.02	<0.02	<0.02	-	-	-	0.12	-	-	-	-	-
Dibenzo(ah)anthracene #	mg/kg	2.7	BH302	MADE GROUND - OTHER	1.1	0.06	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	-	-	-	<0.04	-	-	-	-	-
Fluoranthene #M	mg/kg	49.8	BH302	MADE GROUND - OTHER	6300	0.32	<0.03	0.84	<0.03	<0.03	0.14	<0.03	<0.03	<0.03	<0.03	-	-	-	0.12	-	-	-	-	-
Fluorene #M	mg/kg	2.4	BH302	MADE GROUND - OTHER	20000	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	-	-	-	<0.04	-	-	-	-	-
Indeno(123cd)pyrene #M	mg/kg	10.2	BH302	MADE GROUND - OTHER	150	0.36	<0.04	0.24	<0.04	<0.04	0.14	<0.04	<0.04	<0.04	<0.04	-	-	-	0.05	-	-	-	-	-
Naphthalene #M	mg/kg	4.4	BH302	MADE GROUND - OTHER	1200	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	-	-	-	<0.04	-	-	-	-	-
Phenanthrene #M	mg/kg	52.0	BH302	MADE GROUND - OTHER	6200	0.07	<0.03	0.35	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	-	-	-	0.09	-	-	-	-	-
Pyrene #	mg/kg	37.6	BH302	MADE GROUND - OTHER	150000	0.35	<0.03	0.69	<0.03	<0.03	0.12	<0.03	<0.03	<0.03	<0.03	-	-	-	0.11	-	-	-	-	-
PAH 16 Total	mg/kg	272.7	BH302	MADE GROUND - OTHER		3.5	<0.6	4.3	<0.6	<0.6	1.3	<0.6	<0.6	<0.6	<0.6	-	-	-	0.8	-	-	-	-	-
PAH Surrogate % Recovery	%					98	96	111	105	93	101	98	99	112	118	-	-	-	90	-	-	-	-	-
Benzo(bk)fluoranthene #M	mg/kg	108.0	CPT301-IP	0		0.7	<0.07	0.58	<0.07	<0.07	0.27	<0.07	<0.07	<0.07	<0.07	-	-	-	0.12	-	-	-	-	-
Acenaphthene	µg/kg	11,400.0	TP363A	LANDFILL MATERIAL	29,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/kg	2,230.0	TP363A	LANDFILL MATERIAL	29,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/kg	24,100.0	TP363A	LANDFILL MATERIAL	150,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benz(a)anthracene	µg/kg	59,700.0	TP363A	LANDFILL MATERIAL	49,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/kg	67,000.0	TP363A	LANDFILL MATERIAL	11,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/kg	88,900.0	TP363A	LANDFILL MATERIAL	13,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/kg	34,800.0	TP363A	LANDFILL MATERIAL	1,400,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/kg	29,000.0	TP363A	LANDFILL MATERIAL	370,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/kg	52,300.0	TP363A	LANDFILL MATERIAL	93,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/kg	11,100.0	TP363A	LANDFILL MATERIAL	1,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/kg	128,000.0	TP363A	LANDFILL MATERIAL	6,300,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/kg	12,800.0	TP363A	LANDFILL MATERIAL	20,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/kg	34,000.0	TP363A	LANDFILL MATERIAL	150,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/kg	3,880.0	TP363A	LANDFILL MATERIAL	1,200,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

					Sample ID	BH357	BH357	BH367 FH	BH367 FH	TP338	TP341	TP341	TP342	BH365FH	BH365FH	BH326	BH329	BH330	BH332	BH342	BH346	TP360	TP360	TP360
					Depth	0.30	0.60	0.30	0.70	0.40	0.10	0.30	1.60	0.20	1.00	1.80	2.80	2.70	0.60-1.20	2.80	3.00	0.40	1.40	1.65
					Scheme Area	4F	4F	3D	3D	4F	4F	4F	4F	3D	3D	4D	4D	4D	4D	4D	4D	4D	4D	4D
					Relevant design feature	New Hinksey	New Hinksey	Ferry Hinksey	Ferry Hinksey	New Hinksey	New Hinksey	New Hinksey	New Hinksey	Ferry Hinksey	Ferry Hinksey	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill
					Material	MADE GROUND - OTHER	ALLUVIUM	MADE GROUND - OTHER	ALLUVIUM	ALLUVIUM	TOPSOIL	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	MADE GROUND - OTHER	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	MADE GROUND - OTHER	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER
					Sampled Date	19/04/2017 13:30	19/04/2017 14:00	25/05/2017	25/05/2017	20/04/2017	18/04/2017	18/04/2017	18/04/2017	25/05/2017	25/05/2017	21/04/2017	04/05/2017	02/05/2017	23/05/2017	02/05/2017	03/05/2017	19/04/2017	19/04/2017	19/04/2017
Phenanthrene	µg/kg	71,500.0	TP363A	LANDFILL MATERIAL	6,200,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/kg	84,300.0	TP363A	LANDFILL MATERIAL	150,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAH, Total Detected USEPA 16	µg/kg	712,000.0	TP363A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TPH CWG																								
Aliphatics																								
>C5-C6 #M	mg/kg	0.0	N/A	N/A	95,000.00	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
>C6-C8 #M	mg/kg	0.2	TP359	LANDFILL MATERIAL	150,000.00	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
>C8-C10	mg/kg	28.3	TP373	LANDFILL MATERIAL	14,000.00	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
>C10-C12 #M	mg/kg	126.7	TP373	LANDFILL MATERIAL	21,000.00	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
>C12-C16 #M	mg/kg	84.0	TP378	MADE GROUND - OTHER	25,000.00	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
>C16-C21 #M	mg/kg	429.0	TP378	MADE GROUND - OTHER	450,000.00	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	56.00	<7	<7
>C21-C35 #M	mg/kg	8,339.0	TP373	LANDFILL MATERIAL	45,000.00	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	16	<7	<7	469.00	14.00	<7
Aliphatics >C5-C6	µg/kg	64.0	TP374A	LANDFILL MATERIAL	95,000,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatics >C6-C8	µg/kg	568.0	TP363A	LANDFILL MATERIAL	150,000,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatics >C8-C10	µg/kg	1,010.0	TP374A	LANDFILL MATERIAL	14,000,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatics >C10-C12	µg/kg	1,210.0	TP359A	LANDFILL MATERIAL	21,000,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatics >C12-C16	µg/kg	189,000.0	TP373A	0	25,000,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatics >C16-C21	µg/kg	154,000.0	TP359A	LANDFILL MATERIAL	450,000,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatics >C21-C35	µg/kg	9,190,000.0	TP373A	0	45,000,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatics >C35-C44	µg/kg	1,370,000.0	TP373A	0	95,000,000,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Aliphatics >C12-C44	µg/kg	10,800,000.0	TP373A	0	95,000,000,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatics																								
>C5-EC7 #	mg/kg	0.0	N/A	N/A	76000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
>EC7-EC8 #	mg/kg	0.0	N/A	N/A	87000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
>EC8-EC10 #M	mg/kg	0.0	N/A	N/A	7200	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
>EC10-EC12 #	mg/kg	16.0	TP373	LANDFILL MATERIAL	9200	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	2.20	<0.2
>EC12-EC16 #	mg/kg	125.0	TP363	LANDFILL MATERIAL	10000	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	7.00	5.00
>EC16-EC21 #	mg/kg	802.0	TP363	LANDFILL MATERIAL	7600	<7	<7	10	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	42.00	46.00	31.00
>EC21-EC35 #	mg/kg	3,721.0	TP373	LANDFILL MATERIAL	7800	<7	<7	14	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	61	<7	<7	574.00	260.00	135.00
Aromatics >EC5-EC7	µg/kg	16.3	TP359A	LANDFILL MATERIAL	76,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatics >EC7-EC8	µg/kg	273.0	TP363A	LANDFILL MATERIAL	87,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatics >EC8-EC10	µg/kg	737.0	TP359A	LANDFILL MATERIAL	7,200,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatics >EC10-EC12	µg/kg	806.0	TP359A	LANDFILL MATERIAL	9,200,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatics >EC12-EC16	µg/kg	54,000.0	TP363A	LANDFILL MATERIAL	10,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatics >EC16-EC21	µg/kg	265,000.0	TP363A	LANDFILL MATERIAL	7,600,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatics >EC21-EC35	µg/kg	1,390,000.0	TP363A	LANDFILL MATERIAL	7,800,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatics >EC35-EC44	µg/kg	816,000.0	TP363A	LANDFILL MATERIAL	7,800,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatics >EC40-EC44	µg/kg	346,000.0	TP363A	LANDFILL MATERIAL	7,800,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Aromatics >EC12-EC44	µg/kg	2,530,000.0	TP363A	LANDFILL MATERIAL	7,800,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TPH CWG																								
Aliphatics																								
Total aliphatics C5-35	mg/kg	8,811.0	TP373	LANDFILL MATERIAL		<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	525.00	<19	<19
Total Aliphatics >C12-C44	µg/kg	10,800,000.0	TP373A	0		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatics																								
Total aromatics C5-35 #	mg/kg	4,065.0	TP373	LANDFILL MATERIAL		<19	<19	24	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	61	<19	<19	616.00	315.00	171.00
Total Aromatics >EC12-EC44	µg/kg	2,530,000.0	TP363A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-
Total aliphatics and aromatics(C5-35)	mg/kg	12,876.0	TP373	LANDFILL MATERIAL		<38	<38	<38	<38	<38	<38	<38	<38	<38	<38	<38	<38	<38	61	<38	<38	1,141.00	315.00	171.00
Total Aliphatics & Aromatics >C5-C44	µg/kg	11,700,000.0	TP373A	0		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

					Sample ID	BH357	BH357	BH367 FH	BH367 FH	TP338	TP341	TP341	TP342	BH365FH	BH365FH	BH326	BH329	BH330	BH332	BH342	BH346	TP360	TP360	TP360
					Depth	0.30	0.60	0.30	0.70	0.40	0.10	0.30	1.60	0.20	1.00	1.80	2.80	2.70	0.60-1.20	2.80	3.00	0.40	1.40	1.65
					Scheme Area	4F	4F	3D	3D	4F	4F	4F	4F	3D	3D	4D	4D	4D	4D	4D	4D	4D	4D	4D
					Relevant design feature	New Hinksey	New Hinksey	Ferry Hinksey	Ferry Hinksey	New Hinksey	New Hinksey	New Hinksey	New Hinksey	Ferry Hinksey	Ferry Hinksey	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill
					Material	MADE GROUND - OTHER	ALLUVIUM	MADE GROUND - OTHER	ALLUVIUM	ALLUVIUM	TOPSOIL	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	MADE GROUND - OTHER	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	MADE GROUND - OTHER	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER
					Sampled Date	19/04/2017 13:30	19/04/2017 14:00	25/05/2017	25/05/2017	20/04/2017	18/04/2017	18/04/2017	18/04/2017	25/05/2017	25/05/2017	21/04/2017	04/05/2017	02/05/2017	23/05/2017	02/05/2017	03/05/2017	19/04/2017	19/04/2017	19/04/2017
MTBE #	ug/kg	0.0	N/A	N/A		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	<5	-	<5	-	-	-
Benzene #	ug/kg	16.3	TP359A	LANDFILL MATERIAL	90	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	<5	-	<5	-	-	-
Toluene #	ug/kg	273.0	TP363A	LANDFILL MATERIAL	87000	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	<5	-	<5	-	-	-
Ethylbenzene #	ug/kg	35.5	TP363A	LANDFILL MATERIAL	17000	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	<5	-	<5	-	-	-
m/p-Xylene #	ug/kg	101.0	TP359A	LANDFILL MATERIAL	17000	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	<5	-	<5	-	-	-
o-Xylene #	ug/kg	35.6	TP359A	LANDFILL MATERIAL	17000	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	<5	-	<5	-	-	-
Total Phenols HPLC	mg/kg	3.4	BH369	RIVER TERRACE DEPOSITS		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	-	-	-	<0.15	-	<35	-	-	-
-tural Moisture Content	%	112.9	TP373	LANDFILL MATERIAL		17.8	21.4	22.8	27.3	22.3	49.3	42.9	12.5	16.1	8.6	22.3	10.8	8.3	21.8	9	7.1	56.90	20.70	35.40
-tural Moisture Content	%	29.5	BH334	MADE GROUND - A423 EMBANKMENT		-	-									-	-	-	-			-	-	-
pH #M	pH units	11.9	TP363A	LANDFILL MATERIAL		8.03	8.48	8.03	8.2	8.53	8.11	7.99	8.91	8.41	8.91	-	Sand		7.89			-	-	-
Sample Type	None	0.0	N/A	N/A		Clayey Loam	Loam	Clay	Clay	Clay	Loam	Clay	Clayey Sand	Loam	Sand	Clayey Sand	Light Brown	Clayey Sand	Clay	Clayey Sand	Loamy Sand	-	-	-
Sample Colour	None	0.0	N/A	N/A		Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Dark Brown	Medium Brown	Light Brown	Dark Brown	Medium Brown	Medium Brown	stones and water	Light Brown	Medium Brown	Light Brown	Light Brown	-	-	-
Other Items	None	0.0	N/A	N/A		STONES	'-	Stones and root	Stones and root	'-	STONES	'-	STONES	stones	stones	'-		stones	stones & roots	stones	STONES	-	-	-
Moisture Content*	%	151.0	TP344	ORGANIC ALLUVIUM		26.2	NDP	30.2	39.3	31	31	85.1	NDP	NDP	NDP	-			38.6			-	-	-
Bulk Density*	mg/m3	2.1	BH369	MADE GROUND - A423 EMBANKMENT		1.86	NDP	1.58	1.6	1.95	1.95	1.51	NDP	NDP	NDP	-			1.76			-	-	-
Dry Density*	mg/m3	1.8	TP314	MADE GROUND - OTHER		1.47	NDP	1.21	1.15	1.49	1.49	0.82	NDP	NDP	NDP	-			1.27			-	-	-
Asbestos																								
General Description (Bulk A'-lysis)	None	0.0	N/A	N/A		soil/stones	soil/stones	soil/stones	soil/stones	soil-stones	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stone	-	-	-	Soil/Stones/Clay	-	-	-	-	-
Asbestos Fibres	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	-	-	-	NAD	-	-	-	-	-
Asbestos Fibres (2)	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	-	-	-	NAD	-	-	-	-	-
Asbestos ACM	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	-	-	-	NAD	-	-	-	-	-
Asbestos ACM (2)	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	-	-	-	NAD	-	-	-	-	-
Asbestos Type #	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	-	-	-	NAD	-	-	-	-	-
Asbestos Type (2) #	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	-	-	-	NAD	-	-	-	-	-
Asbestos Level Screen	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	-	-	-	NAD	-	-	-	-	-
Mass of Dry Sample	g	56.9	BH365FH	RIVER TERRACE DEPOSITS		45.6	44.4	-	-	-	40.5	33.1	53.1	49.2	56.9	-	-	-	-	-	-	-	-	-
Asbestos Gravimetric Quantification	mass %	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos PCOM Quantification (Fibres)	mass %	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Gravimetric & PCOM Total	mass %	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Available Phosphorus (Index)	mg/l					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VOC MS																								
Dichlorodifluoromethane	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<2	<2	<2	-	<2	<2	<2	<2	<2
Methyl Tertiary Butyl Ether #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<6	<6	<6	-	<6	<6	<6	<6	<6
Chloromethane #	ug/kg	25.0	TP362	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<3	<3	<3	-	<3	<3	11.00	<3	<3
Vinyl Chloride	ug/kg	11.4	TP374A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<2	<2	<2	-	<2	<2	<2	<2	<2
Bromomethane	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<1	<1	<1	-	<1	<1	<1	<1	<1
Chloroethane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<6	<6	<6	-	<6	<6	<6	<6	<6
Trichlorofluoromethane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<3	<3	<3	-	<3	<3	<3	<3	<3
1,1-Dichloroethene (1,1 DCE) #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<6	<6	<6	-	<6	<6	<6	<6	<6
Dichloromethane (DCM) #	ug/kg	477.0	TP363A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<30	<30	<30	-	<30	<30	<30	<30	<30
trans-1-2-Dichloroethene #	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<3	<3	<3	-	<3	<3	<3	<3	<3
1,1-Dichloroethane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<6	<6	<6	-	<6	<6	<6	<6	<6
cis-1-2-Dichloroethene #M	ug/kg	160.0	TP374A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<7	<7	<7	-	<7	<7	<7	<7	<7
2,2-Dichloropropane	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<4	<4	<4	-	<4	<4	<4	<4	<4
Bromochloromethane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<4	<4	<4	-	<4	<4	<4	<4	<4
Chloroform #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<5	<5	<5	-	<5	<5	<5	<5	<5
1,1,1-Trichloroethane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<5	<5	<5	-	<5	<5	<5	<5	<5

					Sample ID	BH357	BH357	BH367 FH	BH367 FH	TP338	TP341	TP341	TP342	BH365FH	BH365FH	BH326	BH329	BH330	BH332	BH342	BH346	TP360	TP360	TP360
					Depth	0.30	0.60	0.30	0.70	0.40	0.10	0.30	1.60	0.20	1.00	1.80	2.80	2.70	0.60-1.20	2.80	3.00	0.40	1.40	1.65
					Scheme Area	4F	4F	3D	3D	4F	4F	4F	4F	3D	3D	4D	4D	4D	4D	4D	4D	4D	4D	4D
					Relevant design feature	New Hinksey	New Hinksey	Ferry Hinksey	Ferry Hinksey	New Hinksey	New Hinksey	New Hinksey	New Hinksey	Ferry Hinksey	Ferry Hinksey	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill
					Material	MADE GROUND - OTHER	ALLUVIUM	MADE GROUND - OTHER	ALLUVIUM	ALLUVIUM	TOPSOIL	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	MADE GROUND - OTHER	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	MADE GROUND - OTHER	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER
					Sampled Date	19/04/2017 13:30	19/04/2017 14:00	25/05/2017	25/05/2017	20/04/2017	18/04/2017	18/04/2017	18/04/2017	25/05/2017	25/05/2017	21/04/2017	04/05/2017	02/05/2017	23/05/2017	02/05/2017	03/05/2017	19/04/2017	19/04/2017	19/04/2017
1,1-Dichloropropene #	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<3	<3	<3	-	<3	<3	<3	<3	<3
Carbon tetrachloride #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<4	<4	<4	-	<4	<4	<4	<4	<4
1,2-Dichloroethane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<5	<5	<5	-	<5	<5	<5	<5	<5
Benzene #M	ug/kg	16.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<5	<5	<5	-	<5	<5	<5	<5	<5
Trichloroethene (TCE) #M	ug/kg	139.0	TP374A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<5	<5	<5	-	<5	<5	19.00	7.00	<5
1,2-Dichloropropane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<4	<4	<4	-	<4	<4	<4	<4	<4
Dibromomethane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<4	<4	<4	-	<4	<4	<4	<4	<4
Bromodichloromethane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<4	<4	<4	-	<4	<4	<4	<4	<4
cis-1-3-Dichloropropene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<4	<4	<4	-	<4	<4	<4	<4	<4
Toluene #M	ug/kg	24.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<3	<3	<3	-	<3	<3	<3	<3	<3
trans-1-3-Dichloropropene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<3	<3	<3	-	<3	<3	<3	<3	<3
1,1,2-Trichloroethane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<4	<4	<4	-	<4	<4	<4	<4	<4
Tetrachloroethene (PCE) #	ug/kg	847.0	TP374A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<3	<3	<3	-	<3	<3	246.00	122.00	9.00
1,3-Dichloropropane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<4	<4	<4	-	<4	<4	<4	<4	<4
Dibromochloromethane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<5	<5	<5	-	<5	<5	<5	<5	<5
1,2-Dibromoethane #	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<3	<3	<3	-	<3	<3	<3	<3	<3
Chlorobenzene #M	ug/kg	79.0	TP373	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<4	<4	<4	-	<4	<4	<4	<4	<4
1,1,1,2-Tetrachloroethane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<5	<5	<5	-	<5	<5	<5	<5	<5
Ethylbenzene #M	ug/kg	19.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<3	<3	<3	-	<3	<3	<3	<3	<3
p/m-Xylene #M	ug/kg	95.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<4	<4	<4	-	<4	<4	<4	<4	<4
o-Xylene #M	ug/kg	35.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<4	<4	<4	-	<4	<4	<4	<4	<4
Styrene	ug/kg	28.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<3	<3	<3	-	<3	<3	<3	<3	<3
Bromoform	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<4	<4	<4	-	<4	<4	<4	<4	<4
Isopropylbenzene #	ug/kg	62.0	TP373	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<3	<3	<3	-	<3	<3	<3	<3	<3
1,1,2,2-Tetrachloroethane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<3	<3	<3	-	<3	<3	<3	<3	<3
Bromobenzene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<2	<2	<2	-	<2	<2	<2	<2	<2
1,2,3-Trichloropropane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<4	<4	<4	-	<4	<4	<4	<4	<4
Propylbenzene #	ug/kg	27.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<4	<4	<4	-	<4	<4	<4	<4	<4
2-Chlorotoluene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<3	<3	<3	-	<3	<3	<3	<3	<3
1,3,5-Trimethylbenzene #	ug/kg	85.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<3	<3	<3	-	<3	<3	<3	<3	<3
4-Chlorotoluene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<3	<3	<3	-	<3	<3	<3	<3	<3
tert-Butylbenzene #	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<5	<5	<5	-	<5	<5	<5	<5	<5
1,2,4-Trimethylbenzene #	ug/kg	314.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<6	<6	<6	-	<6	<6	<6	<6	<6
sec-Butylbenzene #	ug/kg	368.0	TP373	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<4	<4	<4	-	<4	<4	<4	<4	<4
4-Isopropyltoluene #	ug/kg	2,879.0	TP362	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<4	<4	<4	-	<4	<4	<4	<4	<4
1,3-Dichlorobenzene #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<4	<4	<4	-	<4	<4	<4	<4	<4
1,4-Dichlorobenzene #	ug/kg	460.0	TP373	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<4	<4	<4	-	<4	<4	<4	<4	<4
n-Butylbenzene #	ug/kg	25.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<4	<4	<4	-	<4	<4	<4	<4	<4
1,2-Dichlorobenzene #M	ug/kg	6.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<4	<4	<4	-	<4	<4	<4	<4	<4
1,2-Dibromo-3-chloropropane #	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<4	<4	<4	-	<4	<4	<4	<4	<4
1,2,4-Trichlorobenzene #	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<7	<7	<7	-	<7	<7	<7	<7	<7
Hexachlorobutadiene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<4	<4	<4	-	<4	<4	<4	<4	<4
Naphthalene	ug/kg	238.0	TP363A	LANDFILL MATERIAL				-	-								<27	<27	-	<27	<27			
1,2,3-Trichlorobenzene #	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<7	<7	<7	-	<7	<7	<7	<7	<7
Surrogate Recovery Toluene D8	%					-	-	-	-	-	-	-	-	-	-	97	99	99	-	100	102	94.00	89.00	102.00
Surrogate Recovery 4-Bromofluorobenzene	%					-	-	-	-	-	-	-	-	-	-	105	114	117	-	117	119	81.00	79.00	104.00
Methyl Tertiary Butyl Ether #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<6	<6	<6	-	<6	<6	<6	<6	<6
Benzene #M	ug/kg	16.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<5	<5	<5	-	<5	<5	<5	<5	<5
Toluene #M	ug/kg	24.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<3	<3	<3	-	<3	<3	<3	<3	<3
Ethylbenzene #M	ug/kg	19.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<3	<3	<3	-	<3	<3	<3	<3	<3
p/m-Xylene #M	ug/kg	95.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<4	<4	<4	-	<4	<4	<4	<4	<4
o-Xylene #M	ug/kg	35.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<4	<4	<4	-	<4	<4	<4	<4	<4

					Sample ID	BH357	BH357	BH367 FH	BH367 FH	TP338	TP341	TP341	TP342	BH365FH	BH365FH	BH326	BH329	BH330	BH332	BH342	BH346	TP360	TP360	TP360
					Depth	0.30	0.60	0.30	0.70	0.40	0.10	0.30	1.60	0.20	1.00	1.80	2.80	2.70	0.60-1.20	2.80	3.00	0.40	1.40	1.65
					Scheme Area	4F	4F	3D	3D	4F	4F	4F	4F	3D	3D	4D	4D	4D	4D	4D	4D	4D	4D	4D
					Relevant design feature	New Hinksey	New Hinksey	Ferry Hinksey	Ferry Hinksey	New Hinksey	New Hinksey	New Hinksey	New Hinksey	Ferry Hinksey	Ferry Hinksey	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill
					Material	MADE GROUND - OTHER	ALLUVIUM	MADE GROUND - OTHER	ALLUVIUM	ALLUVIUM	TOPSOIL	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	MADE GROUND - OTHER	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	MADE GROUND - OTHER	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER
					Sampled Date	19/04/2017 13:30	19/04/2017 14:00	25/05/2017	25/05/2017	20/04/2017	18/04/2017	18/04/2017	18/04/2017	25/05/2017	25/05/2017	21/04/2017	04/05/2017	02/05/2017	23/05/2017	02/05/2017	03/05/2017	19/04/2017	19/04/2017	19/04/2017
Surrogate Recovery Toluene D8	%					-	-	-	-	-	-	-	-	-	-	97	99	99	-	100	102	94.00	89.00	102.00
Surrogate Recovery 4-Bromofluorobenzene	%					-	-	-	-	-	-	-	-	-	-	105	114	117	-	117	119	81.00	79.00	104.00
SVOC MS																								
Phenols																								
2-Chlorophenol #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
2-Methylphenol	ug/kg	37,500.0	TP363A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
2-Nitrophenol	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
2,4-Dichlorophenol #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
2,4-Dimethylphenol	ug/kg	200.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
2,4,5-Trichlorophenol	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
2,4,6-Trichlorophenol	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
4-Chloro-3-methylphenol	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
4-Methylphenol	ug/kg	15,200.0	TP363A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
4-Nitrophenol	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
Pentachlorophenol	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
Phenol #M	ug/kg	71,300.0	TP363A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
PAHs																								
2-Chloro'-phthalene #M	ug/kg	43.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
2-Methyl'-phthalene #M	ug/kg	1,763.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	67.00	21.00	22.00
-phthalene	ug/kg	1,400.0	TP363A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	406.00	63.00	73.00
Ace'-phthylene	ug/kg	1,682.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	290	<10	<10	-	<10	<10	592.00	206.00	198.00
Ace'-phthene	ug/kg	7,757.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	26	<10	<10	-	<10	<10	218.00	169.00	213.00
Fluorene	ug/kg	7,803.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	366.00	233.00	305.00
Phe'-nthrene #M	ug/kg	41,418.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	87	<10	<10	-	<10	<10	4,310.00	1,798.00	2,935.00
Anthracene	ug/kg	22,190.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	98	<10	<10	-	<10	<10	2,476.00	827.00	906.00
Fluoranthene #M	ug/kg	61,252.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	103	<10	<10	-	<10	<10	9,282.00	4,706.00	4,647.00
Pyrene #M	ug/kg	67,710.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	84	<10	<10	-	<10	<10	7,740.00	3,979.00	3,816.00
Benzo(a)anthracene	ug/kg	36,676.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	194	<10	<10	-	<10	<10	4,787.00	2,558.00	2,126.00
Chrysene	ug/kg	39,214.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	139	<10	<10	-	<10	<10	5,047.00	2,628.00	2,295.00
Benzo(bk)fluoranthene	ug/kg	62,614.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	281	<10	<10	-	<10	<10	9,616.00	5,784.00	4,415.00
Benzo(a)pyrene	ug/kg	33,730.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	137	<10	<10	-	<10	<10	5,095.00	2,892.00	2,175.00
Indeno(123cd)pyrene	ug/kg	20,257.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	60	<10	<10	-	<10	<10	3,149.00	1,861.00	1,235.00
Dibenzo(ah)anthracene	ug/kg	9,257.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	31	<10	<10	-	<10	<10	1,105.00	659.00	440.00
Benzo(ghi)perylene	ug/kg	21,352.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	131	<10	<10	-	<10	<10	3,452.00	2,005.00	1,327.00
Benzo(b)fluoranthene	ug/kg	45,082.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	202	<10	<10	-	<10	<10	6,924.00	4,164.00	3,179.00
Benzo(k)fluoranthene	ug/kg	17,532.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	79	<10	<10	-	<10	<10	2,692.00	1,620.00	1,236.00
Phthalates																								
Bis(2-ethylhexyl) phthalate	ug/kg	207,000.0	TP373A	0		-	-	-	-	-	-	-	-	-	-	<100	<100	<100	-	<100	<100	1,087.00	<100	<100
Butylbenzyl phthalate	ug/kg	464.0	TP375A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<100	<100	<100	-	<100	<100	<100	<100	<100
Di-n-butyl phthalate	ug/kg	4,830.0	TP360A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<100	<100	<100	-	<100	<100	461.00	<100	<100
Di-n-Octyl phthalate	ug/kg	336.0	TP375A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<100	<100	<100	-	<100	<100	<100	<100	<100
Diethyl phthalate	ug/kg	1,260.0	TP360A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<100	<100	<100	-	<100	<100	<100	<100	<100
Dimethyl phthalate #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<100	<100	<100	-	<100	<100	<100	<100	<100
Other SVOCs																								
1,2-Dichlorobenzene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
1,2,4-Trichlorobenzene #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
1,3-Dichlorobenzene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
1,4-Dichlorobenzene	ug/kg	2,427.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
2-Nitroaniline	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
2,4-Dinitrotoluene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
2,6-Dinitrotoluene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
3-Nitroaniline	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10

					Sample ID	BH357	BH357	BH367 FH	BH367 FH	TP338	TP341	TP341	TP342	BH365FH	BH365FH	BH326	BH329	BH330	BH332	BH342	BH346	TP360	TP360	TP360
					Depth	0.30	0.60	0.30	0.70	0.40	0.10	0.30	1.60	0.20	1.00	1.80	2.80	2.70	0.60-1.20	2.80	3.00	0.40	1.40	1.65
					Scheme Area	4F	4F	3D	3D	4F	4F	4F	4F	3D	3D	4D	4D	4D	4D	4D	4D	4D	4D	4D
					Relevant design feature	New Hinksey	New Hinksey	Ferry Hinksey	Ferry Hinksey	New Hinksey	New Hinksey	New Hinksey	New Hinksey	Ferry Hinksey	Ferry Hinksey	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill
					Material	MADE GROUND - OTHER	ALLUVIUM	MADE GROUND - OTHER	ALLUVIUM	ALLUVIUM	TOPSOIL	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	MADE GROUND - OTHER	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	MADE GROUND - OTHER	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER
					Sampled Date	19/04/2017 13:30	19/04/2017 14:00	25/05/2017	25/05/2017	20/04/2017	18/04/2017	18/04/2017	18/04/2017	25/05/2017	25/05/2017	21/04/2017	04/05/2017	02/05/2017	23/05/2017	02/05/2017	03/05/2017	19/04/2017	19/04/2017	19/04/2017
4-Bromophenylphenylether #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
4-Chloroaniline	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
4-Chlorophenylphenylether	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
4-Nitroaniline	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
Azobenzene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
Bis(2-chloroethoxy)methane	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
Bis(2-chloroethyl)ether	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
Carbazole	ug/kg	7,430.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	38	<10	<10	-	<10	<10	234.00	118.00	122.00
Dibenzofuran #M	ug/kg	3,091.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	21	<10	<10	-	<10	<10	180.00	93.00	126.00
Hexachlorobenzene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
Hexachlorobutadiene #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
Hexachlorocyclopentadiene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
Hexachloroethane	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
Isophorone #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
N-nitrosodi-n-propylamine #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
Nitrobenzene #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10
PCBS																								
PCB 28 #	ug/kg	2,970.0	TP359A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<5	<5	<5	-	<5	-	28.00	<5	<5
PCB 52 #	ug/kg	784.0	TP374A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<5	<5	<5	-	<5	-	31.00	<5	<5
PCB 101 #	ug/kg	673.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<5	<5	<5	-	<5	-	25.00	<5	<5
PCB 118 #	ug/kg	646.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<5	<5	<5	-	<5	-	19.00	<5	<5
PCB 138 #	ug/kg	628.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<5	<5	<5	-	<5	-	24.00	<5	<5
PCB 153 #	ug/kg	402.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<5	<5	<5	-	<5	-	20.00	<5	<5
PCB 180 #	ug/kg	83.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<5	<5	<5	-	<5	-	14.00	<5	<5
Total 7 PCBs #	ug/kg	4,030.0	TP359A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<35	<35	<35	-	<35	-	161.00	<35	<35
PCB congener 81	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB congener 77	µg/kg	83.8	TP359A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB congener 123	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB congener 114	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB congener 105	µg/kg	74.1	TP359A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB congener 126	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB congener 167	µg/kg	8.0	TP374A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB congener 156	µg/kg	7.2	TP374A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB congener 157	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB congener 169	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB congener 189	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of detected WHO 12 PCBs	µg/kg	294.0	TP359A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combined Pesticides																								
Tec'-zene	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trifluralin	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phorate	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane (I	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quintozene (PCNB)	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Triallate	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
gamma-Hexachlorocyclohexane	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Disulfoton	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aldrin	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorothalonil	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

					Sample ID	BH357	BH357	BH367 FH	BH367 FH	TP338	TP341	TP341	TP342	BH365FH	BH365FH	BH326	BH329	BH330	BH332	BH342	BH346	TP360	TP360	TP360
					Depth	0.30	0.60	0.30	0.70	0.40	0.10	0.30	1.60	0.20	1.00	1.80	2.80	2.70	0.60-1.20	2.80	3.00	0.40	1.40	1.65
					Scheme Area	4F	4F	3D	3D	4F	4F	4F	4F	3D	3D	4D	4D	4D	4D	4D	4D	4D	4D	4D
					Relevant design feature	New Hinksey	New Hinksey	Ferry Hinksey	Ferry Hinksey	New Hinksey	New Hinksey	New Hinksey	New Hinksey	Ferry Hinksey	Ferry Hinksey	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill
					Material	MADE GROUND - OTHER	ALLUVIUM	MADE GROUND - OTHER	ALLUVIUM	ALLUVIUM	TOPSOIL	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	MADE GROUND - OTHER	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	MADE GROUND - OTHER	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER
					Sampled Date	19/04/2017 13:30	19/04/2017 14:00	25/05/2017	25/05/2017	20/04/2017	18/04/2017	18/04/2017	18/04/2017	25/05/2017	25/05/2017	21/04/2017	04/05/2017	02/05/2017	23/05/2017	02/05/2017	03/05/2017	19/04/2017	19/04/2017	19/04/2017
Telodrin	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane (H	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isodrin	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor epoxide	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Triadimefon	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pendimethalin	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p-DDE	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulphan I	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trans-chlordane	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-Chlordane	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDE	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p'-DDD (TDE)	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p-DDT	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-TDE (DDD)	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulphan II	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDT	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p-Methoxychlor	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-Methoxychlor	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulphan sulphate	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Permethrin I	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Permethrin II	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

					Sample ID	TP360A	TP360A	TP360A	TP362	TP362	TP362A	TP362A	TP373	TP373	TP373	TP373A	TP373A	TP373A	TP374	TP374	TP374A	TP374A	TP375	TP375
					Depth	0.40-0.40	1.40-1.40	1.65-1.65	0.90	1.15	0.90-0.90	1.15-1.15	1.10	1.60	1.70	1.10-1.10	1.60-1.60	1.70-1.70	0.50	1.50	0.50-0.50	1.50-1.50	0.40	1.10
					Scheme Area	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
					Relevant design feature	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E Landfill	Kenn. E Landfill
					Material	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER				LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL
					Sampled Date	07/11/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017	19/04/2017	07/11/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017
Test	**Units**	**Max**	**Location of max**	**Strata**	**Criteria**																		
Fraction Organic Carbon	None	0.2	TP373A	0		0.02	0.17	0.05	-	-	0.08	0.13	-	-	-	0.23	0.09	0.13	-	-	0.11	0.10	-	-
Moisture Content 105C (% Dry Weight)	%	192.3	TP379	LANDFILL MATERIAL					78.50	34.70			60.90	108.70	52.40				12.80	143.70			58.40	32.50
Dry Matter Content Ratio 105°C	%	92.7	TP302	ALLUVIUM					56.00	74.20			62.10	47.90	65.60				88.60	41.00			63.10	75.40
Sulphate as SO4 (2:1 Ext) #M	g/l	1.4	BH337A	0		0.10	0.39	0.61	-	-	0.17	0.22	-	-	-	0.80	0.05	0.09	-	-	0.15	0.36	-	-
Metals																								
Arsenic #M	mg/kg	193.3	BH365FH	RIVER TERRACE DEPOSITS	170	7.15	29.50	20.30	-	-	38.20	36.10	-	-	-	25.40	21.20	23.10	-	-	24.00	11.60	-	-
Cadmium #M	mg/kg	16.7	TP374A	LANDFILL MATERIAL	532	1.29	1.92	2.10	-	-	2.18	1.65	-	-	-	1.66	7.21	2.91	-	-	0.81	16.70	-	-
Chromium #M	mg/kg	416.0	TP373A	0	33000	70.10	39.30	8.00	-	-	<9	<0.9	-	-	-	416.00	<0.9	1.56	-	-	23.60	55.50	-	-
Hexavalent Chromium #	mg/kg	2.7	TP360A	LANDFILL LINER	220	<0.6	<0.6	2.70	-	-	<0.6	<1.2	-	-	-	<0.6	<0.6	<0.6	-	-	<0.6	<0.6	-	-
Copper #M	mg/kg	22,600.0	TP360A	LANDFILL LINER	44000	43.40	89.90	22,600.00	-	-	534.00	473.00	-	-	-	196.00	20,700.00	4,920.00	-	-	151.00	99.70	-	-
Lead #M	mg/kg	2,000.0	TP373A	0	630	94.00	585.00	213.00	-	-	695.00	498.00	-	-	-	2,000.00	292.00	1,280.00	-	-	400.00	289.00	-	-
Mercury #M	mg/kg	4.1	TP373A	0	30	1.50	2.10	1.93	-	-	0.95	3.60	-	-	-	2.72	4.05	3.53	-	-	1.01	2.21	-	-
Nickel #M	mg/kg	95.9	TP362A	LANDFILL MATERIAL	3400	32.00	41.50	24.90	-	-	95.90	71.60	-	-	-	71.70	60.70	92.00	-	-	30.00	29.80	-	-
Water Soluble Boron #M	mg/kg	71.5	TP362A	LANDFILL MATERIAL	46000	4.83	36.40	29.30	-	-	71.50	37.20	-	-	-	16.80	14.00	13.60	-	-	12.50	24.80	-	-
Zinc #M	mg/kg	6,250.0	TP373A	0		194.00	323.00	802.00	-	-	3,440.00	1,570.00	-	-	-	4,530.00	6,250.00	1,890.00	-	-	688.00	912.00	-	-
PAH MS																								
Acenaphthene #M	mg/kg	0.9	BH302	MADE GROUND - OTHER	29000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	mg/kg	8.4	BH302	MADE GROUND - OTHER	29000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene #	mg/kg	13.4	BH302	MADE GROUND - OTHER	150000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene #	mg/kg	19.5	BH302	MADE GROUND - OTHER	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene #	mg/kg	16.3	BH302	MADE GROUND - OTHER	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	19.0	BH302	MADE GROUND - OTHER	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene #	mg/kg	9.4	BH302	MADE GROUND - OTHER	1400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	7.4	BH302	MADE GROUND - OTHER	370	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene #M	mg/kg	19.4	BH302	MADE GROUND - OTHER	93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(ah)anthracene #	mg/kg	2.7	BH302	MADE GROUND - OTHER	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene #M	mg/kg	49.8	BH302	MADE GROUND - OTHER	6300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene #M	mg/kg	2.4	BH302	MADE GROUND - OTHER	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(123cd)pyrene #M	mg/kg	10.2	BH302	MADE GROUND - OTHER	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene #M	mg/kg	4.4	BH302	MADE GROUND - OTHER	1200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene #M	mg/kg	52.0	BH302	MADE GROUND - OTHER	6200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene #	mg/kg	37.6	BH302	MADE GROUND - OTHER	150000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAH 16 Total	mg/kg	272.7	BH302	MADE GROUND - OTHER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAH Surrogate % Recovery	%					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(bk)fluoranthene #M	mg/kg	108.0	CPT301-IP	0		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	µg/kg	11,400.0	TP363A	LANDFILL MATERIAL	29,000,000	<8	67.20	58.50	-	-	<8	<8	-	-	-	68.90	10.50	<8	-	-	12.20	325.00	-	-
Acenaphthylene	µg/kg	2,230.0	TP363A	LANDFILL MATERIAL	29,000,000	36.60	58.60	46.50	-	-	20.70	<12	-	-	-	25.90	38.50	37.40	-	-	89.50	34.80	-	-
Anthracene	µg/kg	24,100.0	TP363A	LANDFILL MATERIAL	150,000,000	47.40	383.00	263.00	-	-	62.00	461.00	-	-	-	223.00	69.90	102.00	-	-	106.00	230.00	-	-
Benz(a)anthracene	µg/kg	59,700.0	TP363A	LANDFILL MATERIAL	49,000	210.00	736.00	716.00	-	-	309.00	254.00	-	-	-	277.00	486.00	354.00	-	-	269.00	448.00	-	-
Benzo(a)pyrene	µg/kg	67,000.0	TP363A	LANDFILL MATERIAL	11,000	228.00	689.00	681.00	-	-	306.00	299.00	-	-	-	278.00	623.00	391.00	-	-	310.00	431.00	-	-
Benzo(b)fluoranthene	µg/kg	88,900.0	TP363A	LANDFILL MATERIAL	13,000	319.00	954.00	1,140.00	-	-	517.00	280.00	-	-	-	438.00	911.00	571.00	-	-	587.00	631.00	-	-
Benzo(g,h,i)perylene	µg/kg	34,800.0	TP363A	LANDFILL MATERIAL	1,400,000	200.00	536.00	468.00	-	-	358.00	334.00	-	-	-	260.00	617.00	470.00	-	-	421.00	323.00	-	-
Benzo(k)fluoranthene	µg/kg	29,000.0	TP363A	LANDFILL MATERIAL	370,000	121.00	280.00	344.00	-	-	212.00	578.00	-	-	-	119.00	291.00	229.00	-	-	215.00	207.00	-	-
Chrysene	µg/kg	52,300.0	TP363A	LANDFILL MATERIAL	93,000	160.00	1,140.00	903.00	-	-	310.00	210.00	-	-	-	233.00	422.00	354.00	-	-	347.00	572.00	-	-
Dibenzo(a,h)anthracene	µg/kg	11,100.0	TP363A	LANDFILL MATERIAL	1,100	39.80	111.00	135.00	-	-	84.50	<23	-	-	-	55.70	139.00	105.00	-	-	96.80	77.50	-	-
Fluoranthene	µg/kg	128,000.0	TP363A	LANDFILL MATERIAL	6,300,000	332.00	1,790.00	1,500.00	-	-	323.00	274.00	-	-	-	733.00	552.00	652.00	-	-	461.00	1,150.00	-	-
Fluorene	µg/kg	12,800.0	TP363A	LANDFILL MATERIAL	20,000,000	<10	220.00	118.00	-	-	<10	<10	-	-	-	103.00	15.40	24.00	-	-	29.00	274.00	-	-
Indeno(1,2,3-cd)pyrene	µg/kg	34,000.0	TP363A	LANDFILL MATERIAL	150,000	151.00	352.00	397.00	-	-	243.00	211.00	-	-	-	161.00	466.00	327.00	-	-	323.00	233.00	-	-
Naphthalene	µg/kg	3,880.0	TP363A	LANDFILL MATERIAL	1,200,000	<9	242.00	354.00	-	-	100.00	341.00	-	-	-	189.00	173.00	1,310.00	-	-	268.00	834.00	-	-

					Sample ID	TP360A	TP360A	TP360A	TP362	TP362	TP362A	TP362A	TP373	TP373	TP373	TP373A	TP373A	TP373A	TP374	TP374	TP374A	TP374A	TP375	TP375
					Depth	0.40-0.40	1.40-1.40	1.65-1.65	0.90	1.15	0.90-0.90	1.15-1.15	1.10	1.60	1.70	1.10-1.10	1.60-1.60	1.70-1.70	0.50	1.50	0.50-0.50	1.50-1.50	0.40	1.10
					Scheme Area	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
					Relevant design feature	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E Landfill	Kenn. E Landfill
					Material	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER				LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL
					Sampled Date	07/11/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017	19/04/2017	07/11/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017
Phenanthrene	µg/kg	71,500.0	TP363A	LANDFILL MATERIAL	6,200,000	133.00	1,180.00	858.00	-	-	183.00	453.00	-	-	-	715.00	260.00	531.00	-	-	367.00	801.00	-	-
Pyrene	µg/kg	84,300.0	TP363A	LANDFILL MATERIAL	150,000,000	280.00	1,420.00	1,220.00	-	-	272.00	223.00	-	-	-	639.00	475.00	450.00	-	-	368.00	1,020.00	-	-
PAH, Total Detected USEPA 16	µg/kg	712,000.0	TP363A	LANDFILL MATERIAL		2,260.00	10,200.00	9,200.00	-	-	3,300.00	3,920.00	-	-	-	4,520.00	5,550.00	5,900.00	-	-	4,270.00	7,590.00	-	-
TPH CWG																								
Aliphatics																								
>C5-C6 #M	mg/kg	0.0	N/A	N/A	95,000.00	-	-	-	<1.0	<0.1	-	-	<1.0	<1.0	<0.1	-	-	-	<0.1	<1.0	-	-	<1.0	<0.1
>C6-C8 #M	mg/kg	0.2	TP359	LANDFILL MATERIAL	150,000.00	-	-	-	<1.0	<0.1	-	-	<1.0	<1.0	<0.1	-	-	-	<0.1	<1.0	-	-	<1.0	<0.1
>C8-C10	mg/kg	28.3	TP373	LANDFILL MATERIAL	14,000.00	-	-	-	<1.0	<0.1	-	-	<1.0	28.30	<0.1	-	-	-	<0.1	7.00	-	-	<1.0	<0.1
>C10-C12 #M	mg/kg	126.7	TP373	LANDFILL MATERIAL	21,000.00	-	-	-	<0.2	<0.2	-	-	<0.2	126.70	<0.2	-	-	-	2.70	41.80	-	-	<0.2	<0.2
>C12-C16 #M	mg/kg	84.0	TP378	MADE GROUND - OTHER	25,000.00	-	-	-	<4	<4	-	-	<4	55.00	<4	-	-	-	<4	56.00	-	-	<4	<4
>C16-C21 #M	mg/kg	429.0	TP378	MADE GROUND - OTHER	450,000.00	-	-	-	89.00	<7	-	-	44.00	262.00	<7	-	-	-	27.00	229.00	-	-	<7	11.00
>C21-C35 #M	mg/kg	8,339.0	TP373	LANDFILL MATERIAL	45,000.00	-	-	-	539.00	<7	-	-	324.00	8,339.00	<7	-	-	-	168.00	1,145.00	-	-	58.00	139.00
Aliphatics >C5-C6	µg/kg	64.0	TP374A	LANDFILL MATERIAL	95,000,000.00	<10	29.00	11.90	-	-	<10	10.80	-	-	-	<10	<10	<10	-	-	64.00	18.20	-	-
Aliphatics >C6-C8	µg/kg	568.0	TP363A	LANDFILL MATERIAL	150,000,000.00	<10	43.50	26.20	-	-	26.70	63.10	-	-	-	15.90	<10	11.20	-	-	138.00	47.40	-	-
Aliphatics >C8-C10	µg/kg	1,010.0	TP374A	LANDFILL MATERIAL	14,000,000.00	<10	620.00	414.00	-	-	15.50	50.80	-	-	-	209.00	<10	<10	-	-	231.00	1,010.00	-	-
Aliphatics >C10-C12	µg/kg	1,210.0	TP359A	LANDFILL MATERIAL	21,000,000.00	<10	955.00	763.00	-	-	<10	29.30	-	-	-	334.00	<10	<10	-	-	252.00	996.00	-	-
Aliphatics >C12-C16	µg/kg	189,000.0	TP373A	0	25,000,000.00	2,540.00	21,300.00	4,510.00	-	-	<100	<100	-	-	-	189,000.00	1,900.00	2,190.00	-	-	4,680.00	4,250.00	-	-
Aliphatics >C16-C21	µg/kg	154,000.0	TP359A	LANDFILL MATERIAL	450,000,000.00	4,270.00	102,000.00	78,400.00	-	-	18,400.00	12,100.00	-	-	-	45,700.00	20,100.00	47,600.00	-	-	66,900.00	89,400.00	-	-
Aliphatics >C21-C35	µg/kg	9,190,000.0	TP373A	0	45,000,000.00	44,900.00	964,000.00	258,000.00	-	-	208,000.00	135,000.00	-	-	-	9,190,000.00	225,000.00	498,000.00	-	-	470,000.00	950,000.00	-	-
Aliphatics >C35-C44	µg/kg	1,370,000.0	TP373A	0	95,000,000,000.00	4,430.00	248,000.00	31,400.00	-	-	61,600.00	34,300.00	-	-	-	1,370,000.00	77,200.00	159,000.00	-	-	92,000.00	39,900.00	-	-
Total Aliphatics >C12-C44	µg/kg	10,800,000.0	TP373A	0	95,000,000,000.00	56,100.00	1,340,000.00	373,000.00	-	-	288,000.00	182,000.00	-	-	-	10,800,000.00	324,000.00	707,000.00	-	-	634,000.00	1,080,000.00	-	-
Aromatics																								
>C5-EC7 #	mg/kg	0.0	N/A	N/A	76000				<1.0	<0.1			<1.0	<1.0	<0.1				<0.1	<1.0			<1.0	<0.1
>EC7-EC8 #	mg/kg	0.0	N/A	N/A	87000				<1.0	<0.1			<1.0	<1.0	<0.1				<0.1	<1.0			<1.0	<0.1
>EC8-EC10 #M	mg/kg	0.0	N/A	N/A	7200				<1.0	<0.1			<1.0	<1.0	<0.1				<0.1	<1.0			<1.0	<0.1
>EC10-EC12 #	mg/kg	16.0	TP373	LANDFILL MATERIAL	9200				<0.2	<0.2			<0.2	16.00	<0.2				<0.2	10.50			<0.2	<0.2
>EC12-EC16 #	mg/kg	125.0	TP363	LANDFILL MATERIAL	10000				<4	<4			<4	28.00	<4				<4	29.00			<4	13.00
>EC16-EC21 #	mg/kg	802.0	TP363	LANDFILL MATERIAL	7600				87.00	<7			52.00	300.00	<7				23.00	291.00			45.00	119.00
>EC21-EC35 #	mg/kg	3,721.0	TP373	LANDFILL MATERIAL	7800				762.00	47.00			371.00	3,721.00	<7				233.00	1,459.00			202.00	378.00
Aromatics >EC5-EC7	µg/kg	16.3	TP359A	LANDFILL MATERIAL	76,000,000	<10	11.30	<10	-	-	<10	<10	-	-	-	<10	<10	<10	-	-	<10	<10	-	-
Aromatics >EC7-EC8	µg/kg	273.0	TP363A	LANDFILL MATERIAL	87,000,000	<10	11.30	<10	-	-	<10	10.80	-	-	-	<10	<10	<10	-	-	<10	<10	-	-
Aromatics >EC8-EC10	µg/kg	737.0	TP359A	LANDFILL MATERIAL	7,200,000	<10	472.00	281.00	-	-	15.50	49.30	-	-	-	139.00	<10	<10	-	-	159.00	674.00	-	-
Aromatics >EC10-EC12	µg/kg	806.0	TP359A	LANDFILL MATERIAL	9,200,000	<10	636.00	508.00	-	-	<10	20.00	-	-	-	223.00	<10	<10	-	-	168.00	663.00	-	-
Aromatics >EC12-EC16	µg/kg	54,000.0	TP363A	LANDFILL MATERIAL	10,000,000	1,740.00	6,980.00	2,310.00	-	-	1,130.00	658.00	-	-	-	15,200.00	697.00	861.00	-	-	932.00	9,020.00	-	-
Aromatics >EC16-EC21	µg/kg	265,000.0	TP363A	LANDFILL MATERIAL	7,600,000	3,280.00	81,600.00	32,800.00	-	-	11,000.00	11,600.00	-	-	-	99,900.00	7,830.00	25,800.00	-	-	23,100.00	151,000.00	-	-
Aromatics >EC21-EC35	µg/kg	1,390,000.0	TP363A	LANDFILL MATERIAL	7,800,000	14,400.00	618,000.00	191,000.00	-	-	222,000.00	162,000.00	-	-	-	621,000.00	149,000.00	303,000.00	-	-	253,000.00	1,200,000.00	-	-
Aromatics >EC35-EC44	µg/kg	816,000.0	TP363A	LANDFILL MATERIAL	7,800,000	5,410.00	134,000.00	39,200.00	-	-	61,100.00	42,300.00	-	-	-	143,000.00	61,900.00	86,400.00	-	-	59,200.00	88,400.00	-	-
Aromatics >EC40-EC44	µg/kg	346,000.0	TP363A	LANDFILL MATERIAL	7,800,000	1,560.00	40,000.00	13,500.00	-	-	20,400.00	14,200.00	-	-	-	49,900.00	22,300.00	27,600.00	-	-	17,600.00	28,500.00	-	-
Total Aromatics >EC12-EC44	µg/kg	2,530,000.0	TP363A	LANDFILL MATERIAL	7,800,000	24,900.00	840,000.00	265,000.00	-	-	295,000.00	217,000.00	-	-	-	879,000.00	220,000.00	417,000.00	-	-	336,000.00	1,450,000.00	-	-
TPH CWG																								
Aliphatics																								
Total aliphatics C5-35	mg/kg	8,811.0	TP373	LANDFILL MATERIAL		-	-	-	628.00	<19	-	-	368.00	8,811.00	<19	-	-	-	198.00	1,479.00	-	-	58.00	150.00
Total Aliphatics >C12-C44	µg/kg	10,800,000.0	TP373A	0		56,100.00	1,340,000.00	373,000.00	-	-	288,000.00	182,000.00	-	-	-	10,800,000.00	324,000.00	707,000.00	-	-	634,000.00	1,080,000.00	-	-
Aromatics																								
Total aromatics C5-35 #	mg/kg	4,065.0	TP373	LANDFILL MATERIAL			-	-	849.00	47.00	-	-	423.00	4,065.00	<19				256.00	1,790.00			247.00	510.00
Total Aromatics >EC12-EC44	µg/kg	2,530,000.0	TP363A	LANDFILL MATERIAL		24,900.00	840,000.00	265,000.00			295,000.00	217,000.00				879,000.00	220,000.00	417,000.00			336,000.00	1,450,000.00		
Total aliphatics and aromatics(C5-35)	mg/kg	12,876.0	TP373	LANDFILL MATERIAL				-	1,477.00	47.00	-		791.00	12,876.00	<38				454.00	3,269.00			305.00	660.00
Total Aliphatics & Aromatics >C5-C44	µg/kg	11,700,000.0	TP373A	0		81,000.00	2,180,000.00	640,000.00			583,000.00	399,000.00				11,700,000.00	613,000.00	1,120,000.00			873,000.00	3,910,000.00		

					Sample ID	TP360A	TP360A	TP360A	TP362	TP362	TP362A	TP362A	TP373	TP373	TP373	TP373A	TP373A	TP373A	TP374	TP374	TP374A	TP374A	TP375	TP375
					Depth	0.40-0.40	1.40-1.40	1.65-1.65	0.90	1.15	0.90-0.90	1.15-1.15	1.10	1.60	1.70	1.10-1.10	1.60-1.60	1.70-1.70	0.50	1.50	0.50-0.50	1.50-1.50	0.40	1.10
					Scheme Area	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
					Relevant design feature	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E Landfill	Kenn. E Landfill
					Material	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER				LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL
					Sampled Date	07/11/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017	19/04/2017	07/11/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017
MTBE #	ug/kg	0.0	N/A	N/A		<5	<5	<5	-	-	<5	<5	-	-	-	<5	<5	<5	-	-	<5	<5	-	-
Benzene #	ug/kg	16.3	TP359A	LANDFILL MATERIAL	90	<10	<10	<10	-	-	<10	<10	-	-	-	<10	<10	<10	-	-	<10	<10	-	-
Toluene #	ug/kg	273.0	TP363A	LANDFILL MATERIAL	87000	<2	11.30	4.76	-	-	4.22	10.80	-	-	-	<2	2.38	5.60	-	-	2.51	2.43	-	-
Ethylbenzene #	ug/kg	35.5	TP363A	LANDFILL MATERIAL	17000	<3	9.66	<3	-	-	<3	<3	-	-	-	<3	<3	<3	-	-	<3	<3	-	-
m/p-Xylene #	ug/kg	101.0	TP359A	LANDFILL MATERIAL	17000	<6	25.80	<6	-	-	<6	<6	-	-	-	<6	<6	<6	-	-	<6	<6	-	-
o-Xylene #	ug/kg	35.6	TP359A	LANDFILL MATERIAL	17000	<3	24.20	<3	-	-	<3	4.62	-	-	-	<3	<3	<3	-	-	<3	<3	-	-
Total Phenols HPLC	mg/kg	3.4	BH369	RIVER TERRACE DEPOSITS		<0.01	<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.01	<0.01	<0.01	-	-	<0.01	<0.05	-	-
-tural Moisture Content	%	112.9	TP373	LANDFILL MATERIAL					112.30	29.70			36.80	112.90	47.60				15.40	106.70			24.40	32.10
-tural Moisture Content	%	29.5	BH334	MADE GROUND - A423 EMBANKMENT															-	-			-	-
pH #M	pH units	11.9	TP363A	LANDFILL MATERIAL		8.42	7.21	6.68	-	-	7.40	7.56	-	-	-	7.53	7.83	7.64	-	-	7.66	7.40	-	-
Sample Type	None	0.0	N/A	N/A		Sandy Loam	Loamy Sand	-	-	-	Sandy Loam	Loamy Sand	-	-	-	Loamy Sand	Sandy Loam	Sandy Loam	-	-	Sandy Loam	Loamy Sand	-	-
Sample Colour	None	0.0	N/A	N/A		Dark Brown	Dark Brown	Black	-	-	Dark Brown	Dark Brown	-	-	-	Dark Brown	Dark Brown	Dark Brown	-	-	Dark Brown	Dark Brown	-	-
Other Items	None	0.0	N/A	N/A		Vegetation	Stones	Glass	-	-	Stones	Glass & Stones	-	-	-	Stones	Glass & Stones	Glass & Stones	-	-	Glass & Stones	Stones	-	-
Moisture Content*	%	151.0	TP344	ORGANIC ALLUVIUM			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bulk Density*	mg/m3	2.1	BH369	MADE GROUND - A423 EMBANKMENT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dry Density*	mg/m3	1.8	TP314	MADE GROUND - OTHER			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos																								
General Description (Bulk A'-lysis)	None	0.0	N/A	N/A					-	-			-	-	-				-	-			-	-
Asbestos Fibres	None	0.0	N/A	N/A		NAD	NAD	NAD	-	-	NAD	NAD	-	-	-	NAD	Loose fibres in soil	NAD	-	-	NAD	NAD	-	-
Asbestos Fibres (2)	None	0.0	N/A	N/A		NAD	NAD	NAD	-	-	NAD	NAD	-	-	-	NAD	NAD	NAD	-	-	NAD	NAD	-	-
Asbestos ACM	None	0.0	N/A	N/A		NAD	NAD	NAD	-	-	NAD	NAD	-	-	-	NAD	NAD	NAD	-	-	NAD	NAD	-	-
Asbestos ACM (2)	None	0.0	N/A	N/A		NAD	NAD	NAD	-	-	NAD	NAD	-	-	-	NAD	NAD	NAD	-	-	NAD	NAD	-	-
Asbestos Type #	None	0.0	N/A	N/A		NAD	NAD	NAD	-	-	NAD	NAD	-	-	-	NAD	Amosite	NAD	-	-	NAD	NAD	-	-
Asbestos Type (2) #	None	0.0	N/A	N/A		NAD	NAD	NAD	-	-	NAD	NAD	-	-	-	NAD	NAD	NAD	-	-	NAD	NAD	-	-
Asbestos Level Screen	None	0.0	N/A	N/A		NAD	NAD	NAD	-	-	NAD	NAD	-	-	-	NAD		NAD	-	-	NAD	NAD	-	-
Mass of Dry Sample	g	56.9	BH365FH	RIVER TERRACE DEPOSITS		-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-
Asbestos Gravimetric Quantification	mass %	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	<0.001	-	-	-	-	-	-	-
Asbestos PCOM Quantification (Fibres)	mass %	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	<0.001	-	-	-	-	-	-	-
Asbestos Gravimetric & PCOM Total	mass %	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	<0.001	-	-	-	-	-	-	-
Available Phosphorus (Index)	mg/l					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VOC MS																								
Dichlorodifluoromethane	ug/kg	0.0	N/A	N/A		<6	<6	<60	<2	<2	<6	<6	<2	<2	<2	<60	<60	<6	<2	<2	<60	<6	<2	<2
Methyl Tertiary Butyl Ether #M	ug/kg	0.0	N/A	N/A		<10	<10	<100	<6	<6	<10	<10	<6	<6	<6	<100	<100	<10	<6	<6	<100	<10	<6	<6
Chloromethane #	ug/kg	25.0	TP362	LANDFILL MATERIAL		<7	<7	<70	25.00	<3	<7	<7	15.00	<3	<3	<70	<70	<7	<3	<3	<70	<7	7.00	8.00
Vinyl Chloride	ug/kg	11.4	TP374A	LANDFILL MATERIAL		<6	<6	<60	<2	<2	<6	<6	<2	<2	<2	<60	<60	<6	<2	<2	<60	11.40	<2	<2
Bromomethane	ug/kg	0.0	N/A	N/A		<10	<10	<100	<1	<1	<10	<10	<1	<1	<1	<100	<100	<10	<1	<1	<100	<10	<1	<1
Chloroethane #M	ug/kg	0.0	N/A	N/A		<10	<10	<100	<6	<6	<10	<10	<6	<6	<6	<100	<100	<10	<6	<6	<100	<10	<6	<6
Trichlorofluoromethane #M	ug/kg	0.0	N/A	N/A		<6	<6	<60	<3	<3	<6	<6	<3	<3	<3	<60	<60	<6	<3	<3	<60	<6	<3	<3
1,1-Dichloroethene (1,1 DCE) #M	ug/kg	0.0	N/A	N/A		<10	<10	<100	<6	<6	<10	<10	<6	<6	<6	<100	<100	<10	<6	<6	<100	<10	<6	<6
Dichloromethane (DCM) #	ug/kg	477.0	TP363A	LANDFILL MATERIAL		<10	304.00	156.00	<30	<30	193.00	129.00	<30	<30	<30	<100	<100	88.10	<30	<30	<100	85.30	<30	<30
trans-1-2-Dichloroethene #	ug/kg	0.0	N/A	N/A		<10	<10	<100	<3	<3	<10	<10	<3	<3	<3	<100	<100	<10	<3	<3	<100	<10	<3	<3
1,1-Dichloroethane #M	ug/kg	0.0	N/A	N/A		<8	<8	<80	<6	<6	<8	<8	<6	<6	<6	<80	<80	<8	<6	<6	<80	<8	<6	<6
cis-1-2-Dichloroethene #M	ug/kg	160.0	TP374A	LANDFILL MATERIAL		<6	<6	<60	<7	<7	<6	<6	<7	<7	<7	<60	<60	34.20	<7	<7	160.00	33.40	<7	<7
2,2-Dichloropropane	ug/kg	0.0	N/A	N/A		<10	<10	<100	<4	<4	<10	<10	<4	<4	<4	<100	<100	<10	<4	<4	<100	<10	<4	<4
Bromochloromethane #M	ug/kg	0.0	N/A	N/A		<10	<10	<100	<4	<4	<10	<10	<4	<4	<4	<100	<100	<10	<4	<4	<100	<10	<4	<4
Chloroform #M	ug/kg	0.0	N/A	N/A		<8	<8	<80	<5	<5	<8	<8	<5	<5	<5	<80	<80	<8	<5	<5	<80	<8	<5	<5
1,1,1-Trichloroethane #M	ug/kg	0.0	N/A	N/A		<7	<7	<70	<5	<5	<7	<7	<5	<5	<5	<70	<70	<7	<5	<5	<70	<7	<5	<5

					Sample ID	TP360A	TP360A	TP360A	TP362	TP362	TP362A	TP362A	TP373	TP373	TP373	TP373A	TP373A	TP373A	TP374	TP374	TP374A	TP374A	TP375	TP375
					Depth	0.40-0.40	1.40-1.40	1.65-1.65	0.90	1.15	0.90-0.90	1.15-1.15	1.10	1.60	1.70	1.10-1.10	1.60-1.60	1.70-1.70	0.50	1.50	0.50-0.50	1.50-1.50	0.40	1.10
					Scheme Area	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
					Relevant design feature	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E Landfill	Kenn. E Landfill
					Material	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER				LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL
					Sampled Date	07/11/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017	19/04/2017	07/11/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017
1,1-Dichloropropene [#]	ug/kg	0.0	N/A	N/A		<10	<10	<100	<3	<3	<10	<10	<3	<3	<3	<100	<100	<10	<3	<3	<100	<10	<3	<3
Carbon tetrachloride [#M]	ug/kg	0.0	N/A	N/A		<10	<10	<100	<4	<4	<10	<10	<4	<4	<4	<100	<100	<10	<4	<4	<100	<10	<4	<4
1,2-Dichloroethane [#M]	ug/kg	0.0	N/A	N/A		<5	<5	<50	<5	<5	<5	<5	<5	<5	<5	<50	<50	<5	<5	<5	<50	<5	<5	<5
Benzene [#M]	ug/kg	16.0	TP359	LANDFILL MATERIAL		<9	<9	<90	<5	<5	<9	<9	<5	<5	<5	<90	<90	<9	<5	<5	<90	<9	<5	<5
Trichloroethene (TCE) [#M]	ug/kg	139.0	TP374A	LANDFILL MATERIAL		<9	<9	<90	<5	<5	<9	<9	<5	<5	<5	<90	<90	22.40	16.00	<5	139.00	20.10	<5	<5
1,2-Dichloropropane [#M]	ug/kg	0.0	N/A	N/A		<10	<10	<100	<4	<4	<10	<10	<4	<4	<4	<100	<100	<10	<4	<4	<100	<10	<4	<4
Dibromomethane [#M]	ug/kg	0.0	N/A	N/A		<9	<9	<90	<4	<4	<9	<9	<4	<4	<4	<90	<90	<9	<4	<4	<90	<9	<4	<4
Bromodichloromethane [#M]	ug/kg	0.0	N/A	N/A		<7	<7	<70	<4	<4	<7	<7	<4	<4	<4	<70	<70	<7	<4	<4	<70	<7	<4	<4
cis-1-3-Dichloropropene	ug/kg	0.0	N/A	N/A		<10	<10	<100	<4	<4	<10	<10	<4	<4	<4	<100	<100	<10	<4	<4	<100	<10	<4	<4
Toluene [#M]	ug/kg	24.0	TP359	LANDFILL MATERIAL		<7	<7	<70	<3	<3	16.70	14.90	<3	6.00	<3	<70	<70	<7	<3	8.00	<70	<7	6.00	<3
trans-1-3-Dichloropropene	ug/kg	0.0	N/A	N/A		<10	<10	<100	<3	<3	<10	<10	<3	<3	<3	<100	<100	<10	<3	<3	<100	<10	<3	<3
1,1,2-Trichloroethane [#M]	ug/kg	0.0	N/A	N/A		<10	<10	<100	<4	<4	<10	<10	<4	<4	<4	<100	<100	<10	<4	<4	<100	<10	<4	<4
Tetrachloroethene (PCE) [#]	ug/kg	847.0	TP374A	LANDFILL MATERIAL		<5	<5	<50	106.00	<3	243.00	208.00	19.00	19.00	<3	<50	480.00	121.00	<3	<3	847.00	95.40	55.00	62.00
1,3-Dichloropropane [#M]	ug/kg	0.0	N/A	N/A		<7	<7	<70	<4	<4	<7	<7	<4	<4	<4	<70	<70	<7	<4	<4	<70	<7	<4	<4
Dibromochloromethane [#M]	ug/kg	0.0	N/A	N/A		<10	<10	<100	<5	<5	<10	<10	<5	<5	<5	<100	<100	<10	<5	<5	<100	<10	<5	<5
1,2-Dibromoethane [#]	ug/kg	0.0	N/A	N/A		<10	<10	<100	<3	<3	<10	<10	<3	<3	<3	<100	<100	<10	<3	<3	<100	<10	<3	<3
Chlorobenzene [#M]	ug/kg	79.0	TP373	LANDFILL MATERIAL		<5	<5	<50	<4	<4	<5	<5	<4	79.00	<4	<50	<50	<5	<4	<4	<50	<5	<4	<4
1,1,1,2-Tetrachloroethane [#M]	ug/kg	0.0	N/A	N/A		<10	<10	<100	<5	<5	<10	<10	<5	<5	<5	<100	<100	<10	<5	<5	<100	<10	<5	<5
Ethylbenzene [#M]	ug/kg	19.0	TP363	LANDFILL MATERIAL		<4	<4	<40	<3	<3	<4	<4	<3	<3	<3	<40	<40	<4	<3	<3	<40	<4	<3	<3
p/m-Xylene [#M]	ug/kg	95.0	TP359	LANDFILL MATERIAL		<10	<10	<100	<4	<4	<10	<10	<4	15.00	<4	<100	<100	<10	<4	14.00	<100	<10	<4	<4
o-Xylene [#M]	ug/kg	35.0	TP359	LANDFILL MATERIAL		<10	<10	<100	<4	<4	<10	<10	<4	<4	<4	<100	<100	<10	<4	<4	<100	<10	<4	<4
Styrene	ug/kg	28.0	TP359	LANDFILL MATERIAL		<10	<10	<100	<3	<3	<10	<10	<3	<3	<3	<100	<100	<10	<3	<3	<100	<10	<3	<3
Bromoform	ug/kg	0.0	N/A	N/A		<10	<10	<100	<4	<4	<10	<10	<4	<4	<4	<100	<100	<10	<4	<4	<100	<10	<4	<4
Isopropylbenzene [#]	ug/kg	62.0	TP373	LANDFILL MATERIAL		<5	<5	<50	<3	<3	<5	<5	<3	62.00	<3	<50	<50	<5	<3	<3	<50	<5	<3	<3
1,1,2,2-Tetrachloroethane [#M]	ug/kg	0.0	N/A	N/A		<10	<10	<100	<3	<3	<10	<10	<3	<3	<3	<100	<100	<10	<3	<3	<100	<10	<3	<3
Bromobenzene	ug/kg	0.0	N/A	N/A		<10	<10	<100	<2	<2	<10	<10	<2	<2	<2	<100	<100	<10	<2	<2	<100	<10	<2	<2
1,2,3-Trichloropropane [#M]	ug/kg	0.0	N/A	N/A		<16	<16	<160	<4	<4	<16	<16	<4	<4	<4	<160	<160	<16	<4	<4	<160	<16	<4	<4
Propylbenzene [#]	ug/kg	27.0	TP363	LANDFILL MATERIAL		<10	<10	<100	<4	<4	<10	<10	<4	<4	<4	<100	<100	<10	<4	<4	<100	<10	<4	<4
2-Chlorotoluene	ug/kg	0.0	N/A	N/A		<9	<9	<90	<3	<3	<9	<9	<3	<3	<3	<90	<90	<9	<3	<3	<90	<9	<3	<3
1,3,5-Trimethylbenzene [#]	ug/kg	85.0	TP359	LANDFILL MATERIAL		<8	<8	<80	40.00	<3	<8	<8	<3	<3	<3	<80	<80	<8	<3	<3	<80	<8	<3	<3
4-Chlorotoluene	ug/kg	0.0	N/A	N/A		<10	<10	<100	<3	<3	<10	<10	<3	<3	<3	<100	<100	<10	<3	<3	<100	<10	<3	<3
tert-Butylbenzene [#]	ug/kg	0.0	N/A	N/A		<14	<14	<140	<5	<5	<14	<14	<5	<5	<5	<140	<140	<14	<5	<5	<140	<14	<5	<5
1,2,4-Trimethylbenzene [#]	ug/kg	314.0	TP363	LANDFILL MATERIAL		<9	<9	<90	68.00	<6	<9	<9	<6	111.00	21.00	<90	<90	<9	<6	198.00	<90	<9	<6	<6
sec-Butylbenzene [#]	ug/kg	368.0	TP373	LANDFILL MATERIAL		<10	<10	<100	<4	<4	<10	<10	<4	368.00	<4	<100	<100	<10	<4	62.00	<100	<10	<4	<4
4-Isopropyltoluene [#]	ug/kg	2,879.0	TP362	LANDFILL MATERIAL		<10	<10	<100	2,879.00	<4	<10	<10	<4	<4	<4	<100	<100	<10	<4	<4	<100	<10	<4	<4
1,3-Dichlorobenzene [#M]	ug/kg	0.0	N/A	N/A		<8	<8	<80	<4	<4	<8	<8	<4	<4	<4	<80	<80	<8	<4	<4	<80	<8	<4	<4
1,4-Dichlorobenzene [#]	ug/kg	460.0	TP373	LANDFILL MATERIAL		<5	<5	<50	<4	<4	<5	<5	<4	460.00	25.00	<50	<50	<5	5.00	<4	<50	<5	<4	<4
n-Butylbenzene [#]	ug/kg	25.0	TP363	LANDFILL MATERIAL		<11	<11	<110	<4	<4	<11	<11	<4	<4	<4	<110	<110	<11	<4	<4	<110	<11	<4	<4
1,2-Dichlorobenzene [#M]	ug/kg	6.0	TP363	LANDFILL MATERIAL		<10	<10	<100	<4	<4	<10	<10	<4	<4	<4	<100	<100	<10	<4	<4	<100	<10	<4	<4
1,2-Dibromo-3-chloropropane [#]	ug/kg	0.0	N/A	N/A		<14	<14	<140	<4	<4	<14	<14	<4	<4	<4	<140	<140	<14	<4	<4	<140	<14	<4	<4
1,2,4-Trichlorobenzene [#]	ug/kg	0.0	N/A	N/A		<20	<20	<200	<7	<7	<20	<20	<7	<7	<7	<200	<200	<20	<7	<7	<200	<20	<7	<7
Hexachlorobutadiene	ug/kg	0.0	N/A	N/A		<20	<20	<200	<4	<4	<20	<20	<4	<4	<4	<200	<200	<20	<4	<4	<200	<20	<4	<4
Naphthalene	ug/kg	238.0	TP363A	LANDFILL MATERIAL		<13	<13	<130			<13	<13				<130	<130	<13			<130	<13		
1,2,3-Trichlorobenzene [#]	ug/kg	0.0	N/A	N/A		<20	<20	<200	<7	<7	<20	<20	<7	<7	<7	<200	<200	<20	<7	<7	<200	<20	<7	<7
Surrogate Recovery Toluene D8	%					96.00	89.90	95.80	79.00	97.00	93.30	92.70	89.00	57.00	98.00	93.70	96.40	75.80	97.00	77.00	95.50	79.50	97.00	96.00
Surrogate Recovery 4-Bromofluorobenzene	%					84.00	71.00	97.10	69.00	104.00	71.90	69.40	79.00	65.00	100.00	92.40	96.50	69.10	93.00	77.00	94.70	70.60	83.00	81.00
Methyl Tertiary Butyl Ether [#M]	ug/kg	0.0	N/A	N/A		-	-	-	<6	<6	-	-	<6	<6	<6	-			<6	<6			<6	<6
Benzene [#M]	ug/kg	16.0	TP359	LANDFILL MATERIAL		-	-	-	<5	<5	-	-	<5	<5	<5	-			<5	<5			<5	<5
Toluene [#M]	ug/kg	24.0	TP359	LANDFILL MATERIAL		-	-	-	<3	<3	-	-	<3	6.00	<3	-			<3	8.00			6.00	<3
Ethylbenzene [#M]	ug/kg	19.0	TP363	LANDFILL MATERIAL		-	-	-	<3	<3	-	-	<3	<3	<3	-			<3	<3			<3	<3
p/m-Xylene [#M]	ug/kg	95.0	TP359	LANDFILL MATERIAL		-	-	-	<4	<4	-	-	<4	15.00	<4	-			<4	14.00			<4	<4
o-Xylene [#M]	ug/kg	35.0	TP359	LANDFILL MATERIAL		-	-	-	<4	<4	-	-	<4	<4	<4	-			<4	<4			<4	<4

					Sample ID	TP360A	TP360A	TP360A	TP362	TP362	TP362A	TP362A	TP373	TP373	TP373	TP373A	TP373A	TP373A	TP374	TP374	TP374A	TP374A	TP375	TP375
					Depth	0.40-0.40	1.40-1.40	1.65-1.65	0.90	1.15	0.90-0.90	1.15-1.15	1.10	1.60	1.70	1.10-1.10	1.60-1.60	1.70-1.70	0.50	1.50	0.50-0.50	1.50-1.50	0.40	1.10
					Scheme Area	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
					Relevant design feature	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E Landfill	Kenn. E Landfill
					Material	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER				LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL
					Sampled Date	07/11/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017	19/04/2017	07/11/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017
Surrogate Recovery Toluene D8	%					-	-	-	79.00	97.00	-	-	89.00	57.00	98.00	-			97.00	77.00			97.00	96.00
Surrogate Recovery 4-Bromofluorobenzene	%					-	-	-	69.00	104.00	-	-	79.00	65.00	100.00	-			93.00	77.00			83.00	81.00
SVOC MS																								
Phenols																								
2-Chlorophenol #M	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
2-Methylphenol	ug/kg	37,500.0	TP363A	LANDFILL MATERIAL		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
2-Nitrophenol	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
2,4-Dichlorophenol #M	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
2,4-Dimethylphenol	ug/kg	200.0	TP375	LANDFILL MATERIAL		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	200.00	<10
2,4,5-Trichlorophenol	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
2,4,6-Trichlorophenol	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
4-Chloro-3-methylphenol	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
4-Methylphenol	ug/kg	15,200.0	TP363A	LANDFILL MATERIAL		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	191.00	<100	345.00	<10
4-Nitrophenol	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
Pentachlorophenol	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
Phenol #M	ug/kg	71,300.0	TP363A	LANDFILL MATERIAL		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
PAHs																								
2-Chloro'-phthalene #M	ug/kg	43.0	TP363	LANDFILL MATERIAL		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
2-Methyl'-phthalene #M	ug/kg	1,763.0	TP363	LANDFILL MATERIAL		<100	<100	<100	<100	<10	<100	<100	<10	30.00	<10	<100	<200	<100	<10	39.00	<100	<100	296.00	15.00
-phthalene	ug/kg	1,400.0	TP363A	LANDFILL MATERIAL		<100	<100	<100	<100	<10	<100	<100	18.00	66.00	<10	<100	<200	<100	<10	107.00	<100	<100	758.00	37.00
Ace'-phthylene	ug/kg	1,682.0	TP375	LANDFILL MATERIAL		<100	<100	<100	<100	<10	<100	<100	21.00	47.00	<10	<100	<200	<100	<10	56.00	<100	<100	1,682.00	107.00
Ace'-phthene	ug/kg	7,757.0	TP363	LANDFILL MATERIAL		<100	<100	<100	<100	<10	<100	<100	<10	413.00	<10	<100	<200	<100	<10	122.00	<100	<100	4,608.00	71.00
Fluorene	ug/kg	7,803.0	TP363	LANDFILL MATERIAL		<100	<100	<100	<100	<10	<100	<100	15.00	230.00	<10	<100	<200	<100	<10	95.00	<100	<100	4,886.00	91.00
Phe'-nthrene #M	ug/kg	41,418.0	TP363	LANDFILL MATERIAL		<100	220.00	158.00	<100	<10	229.00	<100	105.00	854.00	<10	124.00	<200	<100	67.00	254.00	<100	<100	34,117.00	1,373.00
Anthracene	ug/kg	22,190.0	TP375	LANDFILL MATERIAL		<100	<100	<100	<100	<10	<100	<100	48.00	268.00	<10	<100	<200	<100	27.00	99.00	<100	<100	22,190.00	456.00
Fluoranthene #M	ug/kg	61,252.0	TP363	LANDFILL MATERIAL		158.00	<100	173.00	<100	<10	332.00	<100	282.00	1,416.00	<10	157.00	<200	217.00	132.00	511.00	<100	177.00	38,178.00	3,287.00
Pyrene #M	ug/kg	67,710.0	TP363	LANDFILL MATERIAL		175.00	381.00	183.00	<100	<10	333.00	<100	274.00	1,165.00	<10	209.00	<200	227.00	127.00	486.00	<100	217.00	41,281.00	2,734.00
Benzo(a)anthracene	ug/kg	36,676.0	TP375	LANDFILL MATERIAL		<100	223.00	<100	425.00	<10	234.00	<100	223.00	617.00	<10	<100	<200	161.00	188.00	380.00	<100	133.00	36,676.00	1,923.00
Chrysene	ug/kg	39,214.0	TP363	LANDFILL MATERIAL		<100	254.00	<100	<100	<10	230.00	<100	249.00	722.00	<10	<100	<200	171.00	173.00	471.00	<100	147.00	37,316.00	1,647.00
Benzo(bk)fluoranthene	ug/kg	62,614.0	TP375	LANDFILL MATERIAL				-	265.00	<10	-	-	447.00	1,243.00	<10	-	-	-	366.00	668.00	-	-	62,614.00	3,091.00
Benzo(a)pyrene	ug/kg	33,730.0	TP363	LANDFILL MATERIAL		132.00	185.00	<100	<100	<10	232.00	<100	207.00	594.00	<10	<100	<200	157.00	164.00	269.00	<100	<100	32,935.00	1,462.00
Indeno(123cd)pyrene	ug/kg	20,257.0	TP375	LANDFILL MATERIAL		135.00	<100	<100	240.00	<10	250.00	<100	150.00	383.00	<10	<100	240.00	194.00	92.00	132.00	140.00	<100	20,257.00	911.00
Dibenzo(ah)anthracene	ug/kg	9,257.0	TP375	LANDFILL MATERIAL		<100	<100	<100	<100	<10	<100	<100	55.00	145.00	<10	<100	<200	<100	40.00	62.00	<100	<100	9,257.00	326.00
Benzo(ghi)perylene	ug/kg	21,352.0	TP363	LANDFILL MATERIAL		131.00	<100	<100	304.00	<10	252.00	<100	171.00	443.00	<10	<100	<200	210.00	115.00	184.00	135.00	<100	21,134.00	988.00
Benzo(b)fluoranthene	ug/kg	45,082.0	TP375	LANDFILL MATERIAL		<100	<100	<100	191.00	<10	181.00	<100	322.00	895.00	<10	<100	<200	159.00	264.00	481.00	<100	<100	45,082.00	2,226.00
Benzo(k)fluoranthene	ug/kg	17,532.0	TP375	LANDFILL MATERIAL		<100	<100	<100	<100	<10	165.00	<100	125.00	348.00	<10	<100	<200	<100	102.00	187.00	<100	<100	17,532.00	865.00
Phthalates																								
Bis(2-ethylhexyl) phthalate	ug/kg	207,000.0	TP373A	0		<100	1,770.00	303.00	<1000	<100	239.00	207.00	703.00	4,075.00	<100	596.00	207,000.00	<100	<100	3,450.00	479.00	391.00	<100	<100
Butylbenzyl phthalate	ug/kg	464.0	TP375A	LANDFILL MATERIAL		<100	<100	<100	<1000	<100	<100	<100	<100	<100	<100	<100	<200	<100	<100	<100	<100	<100	<100	<100
Di-n-butyl phthalate	ug/kg	4,830.0	TP360A	LANDFILL MATERIAL		<100	4,830.00	412.00	<1000	<100	224.00	<100	<100	<100	<100	392.00	<200	242.00	<100	349.00	306.00	<100	<100	156.00
Di-n-Octyl phthalate	ug/kg	336.0	TP375A	LANDFILL MATERIAL		<100	<100	<100	<1000	<100	<100	<100	<100	<100	<100	<100	<200	<100	<100	<100	<100	<100	<100	<100
Diethyl phthalate	ug/kg	1,260.0	TP360A	LANDFILL MATERIAL		<100	1,260.00	<100	<1000	<100	<100	<100	<100	<100	<100	<100	<200	<100	<100	<100	<100	<100	<100	<100
Dimethyl phthalate #M	ug/kg	0.0	N/A	N/A		<100	<100	<100	<1000	<100	<100	<100	<100	<100	<100	<100	<200	<100	<100	<100	<100	<100	<100	<100
Other SVOCs																								
1,2-Dichlorobenzene	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
1,2,4-Trichlorobenzene #M	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
1,3-Dichlorobenzene	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
1,4-Dichlorobenzene	ug/kg	2,427.0	TP363	LANDFILL MATERIAL		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
2-Nitroaniline	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
2,4-Dinitrotoluene	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
2,6-Dinitrotoluene	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
3-Nitroaniline	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10

					Sample ID	TP360A	TP360A	TP360A	TP362	TP362	TP362A	TP362A	TP373	TP373	TP373	TP373A	TP373A	TP373A	TP374	TP374	TP374A	TP374A	TP375	TP375
					Depth	0.40-0.40	1.40-1.40	1.65-1.65	0.90	1.15	0.90-0.90	1.15-1.15	1.10	1.60	1.70	1.10-1.10	1.60-1.60	1.70-1.70	0.50	1.50	0.50-0.50	1.50-1.50	0.40	1.10
					Scheme Area	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
					Relevant design feature	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E Landfill	Kenn. E Landfill
					Material	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER				LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL
					Sampled Date	07/11/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017	19/04/2017	07/11/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017
4-Bromophenylphenylether #M	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
4-Chloroaniline	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
4-Chlorophenylphenylether	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
4-Nitroaniline	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
Azobenzene	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
Bis(2-chloroethoxy)methane	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
Bis(2-chloroethyl)ether	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
Carbazole	ug/kg	7,430.0	TP375	LANDFILL MATERIAL		<100	<100	<100	<100	<10	<100	<100	19.00	96.00	<10	<100	<200	<100	13.00	48.00	<100	<100	7,430.00	164.00
Dibenzofuran #M	ug/kg	3,091.0	TP363	LANDFILL MATERIAL		<100	<100	<100	<100	<10	<100	<100	<10	83.00	<10	<100	<200	<100	<10	25.00	<100	<100	1,887.00	37.00
Hexachlorobenzene	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
Hexachlorobutadiene #M	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
Hexachlorocyclopentadiene	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
Hexachloroethane	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
Isophorone #M	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
N-nitrosodi-n-propylamine #M	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
Nitrobenzene #M	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<10	<100	<100	<10	<10	<10	<100	<200	<100	<10	<10	<100	<100	<10	<10
PCBS																								
PCB 28 #	ug/kg	2,970.0	TP359A	LANDFILL MATERIAL		<3	695.00	220.00	79.00	<5	97.70	61.10	103.00	143.00	<5	34.80	6.00	34.60	7.00	436.00	118.00	1,760.00	11.00	114.00
PCB 52 #	ug/kg	784.0	TP374A	LANDFILL MATERIAL		<3	105.00	41.90	66.00	<5	55.70	65.20	68.00	55.00	<5	16.70	11.60	34.60	7.00	110.00	784.00	308.00	9.00	30.00
PCB 101 #	ug/kg	673.0	TP359	LANDFILL MATERIAL		3.62	20.20	14.80	21.00	<5	17.40	21.70	30.00	<5	<5	<15	10.00	18.00	8.00	43.00	287.00	59.50	7.00	25.00
PCB 118 #	ug/kg	646.0	TP359	LANDFILL MATERIAL		<3	14.20	<3	13.00	<5	13.30	12.90	23.00	<5	<5	<15	6.07	10.50	7.00	33.00	125.00	<15	<5	12.00
PCB 138 #	ug/kg	628.0	TP359	LANDFILL MATERIAL		3.42	13.60	10.70	25.00	<5	10.50	14.30	16.00	26.00	<5	<15	11.90	16.00	12.00	39.00	93.40	<15	9.00	44.00
PCB 153 #	ug/kg	402.0	TP359	LANDFILL MATERIAL		<3	38.50	12.20	32.00	<5	10.30	17.40	12.00	17.00	<5	<15	11.80	19.10	10.00	31.00	116.00	<15	9.00	50.00
PCB 180 #	ug/kg	83.0	TP359	LANDFILL MATERIAL		<3	60.50	11.90	40.00	<5	8.60	17.20	11.00	<5	<5	26.00	9.96	21.10	10.00	25.00	43.30	<15	6.00	74.00
Total 7 PCBs #	ug/kg	4,030.0	TP359A	LANDFILL MATERIAL		<21	947.00	311.00	276.00	<35	213.00	210.00	263.00	241.00	<35	<105	67.20	154.00	61.00	717.00	1,570.00	2,130.00	51.00	349.00
PCB congener 81	µg/kg	0.0	N/A	N/A		<3	<3	<3	-	-	<3	<3	-	-	-	<15	<3	<3	-	-	<3	<15	-	-
PCB congener 77	µg/kg	83.8	TP359A	LANDFILL MATERIAL		<3	<3	<3	-	-	<3	7.78	-	-	-	<15	<3	<3	-	-	<3	<15	-	-
PCB congener 123	µg/kg	0.0	N/A	N/A		<3	<3	<3	-	-	<3	<3	-	-	-	<15	<3	<3	-	-	<3	<15	-	-
PCB congener 114	µg/kg	0.0	N/A	N/A		<3	<3	<3	-	-	<3	<3	-	-	-	<15	<3	<3	-	-	<3	<15	-	-
PCB congener 105	µg/kg	74.1	TP359A	LANDFILL MATERIAL		<3	<3	<3	-	-	5.60	6.96	-	-	-	<15	<3	<3	-	-	21.10	<15	-	-
PCB congener 126	µg/kg	0.0	N/A	N/A		<3	<3	<3	-	-	<3	<3	-	-	-	<15	<3	<3	-	-	<3	<15	-	-
PCB congener 167	µg/kg	8.0	TP374A	LANDFILL MATERIAL		<3	<3	<3	-	-	<3	<3	-	-	-	<15	<3	<3	-	-	7.98	<15	-	-
PCB congener 156	µg/kg	7.2	TP374A	LANDFILL MATERIAL		<3	<3	<3	-	-	<3	<3	-	-	-	<15	<3	<3	-	-	7.21	<15	-	-
PCB congener 157	µg/kg	0.0	N/A	N/A		<3	<3	<3	-	-	<3	<3	-	-	-	<15	<3	<3	-	-	<3	<15	-	-
PCB congener 169	µg/kg	0.0	N/A	N/A		<3	<3	<3	-	-	<3	<3	-	-	-	<15	<3	<3	-	-	<3	<15	-	-
PCB congener 189	µg/kg	0.0	N/A	N/A		<3	<3	<3	-	-	<3	<3	-	-	-	<15	<3	<3	-	-	<3	<15	-	-
Sum of detected WHO 12 PCBs	µg/kg	294.0	TP359A	LANDFILL MATERIAL		<36	<36	<36	-	-	<36	<36	-	-	-	<180	<36	<36	-	-	161.00	<180	-	-
Combined Pesticides																								
Tec'-zene	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
Hexachlorobenzene	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
Trifluralin	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
Phorate	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
alpha-Hexachlorocyclohexane (I	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
Quintozene (PCNB)	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
Triallate	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
gamma-Hexachlorocyclohexane	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
Disulfoton	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
Heptachlor	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
Aldrin	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
Chlorothalonil	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-

					Sample ID	TP360A	TP360A	TP360A	TP362	TP362	TP362A	TP362A	TP373	TP373	TP373	TP373A	TP373A	TP373A	TP374	TP374	TP374A	TP374A	TP375	TP375
					Depth	0.40-0.40	1.40-1.40	1.65-1.65	0.90	1.15	0.90-0.90	1.15-1.15	1.10	1.60	1.70	1.10-1.10	1.60-1.60	1.70-1.70	0.50	1.50	0.50-0.50	1.50-1.50	0.40	1.10
					Scheme Area	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
					Relevant design feature	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E landfill	Kenn. E Landfill	Kenn. E Landfill
					Material	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER				LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL
					Sampled Date	07/11/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017	19/04/2017	07/11/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017	07/11/2017	07/11/2017	19/04/2017	19/04/2017
Telodrin	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
beta-Hexachlorocyclohexane (H	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
Isodrin	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
Heptachlor epoxide	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
Triadimefon	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
Pendimethalin	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
o,p-DDE	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
Endosulphan I	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
Trans-chlordane	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
cis-Chlordane	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
p,p-DDE	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
Dieldrin	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
o,p'-DDD (TDE)	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
Endrin	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
o,p-DDT	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
p,p-TDE (DDD)	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
Endosulphan II	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
p,p-DDT	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
o,p-Methoxychlor	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
p,p-Methoxychlor	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
Endosulphan sulphate	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
Permethrin I	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-
Permethrin II	µg/kg	0.0	N/A	N/A		<50	<250	<250	-	-	<50	<50	-	-	-	<50	<100	<50	-	-	<50	<250	-	-

					Sample ID	TP375	TP375A	TP375A	TP375A	TP377	TP377	TP377	TP377A	TP377A	TP377A	BH328	BH345	TP346R	TP346R	TP356	TP356	TP359	TP359	TP359A
					Depth	1.25	0.40-0.40	1.10-1.10	1.25-1.25	0.30	0.60	1.20	0.30-0.30	0.60-0.60	1.20-1.20	2.90	2.90	1.00	2.50	0.50	1.20	0.70	1.70	0.50-0.50
					Scheme Area	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
					Relevant design feature	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill
					Material	LANDFILL LINER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER	MADE GROUND - OTHER	MADE GROUND - OTHER	MADE GROUND - OTHER				RIVER TERRACE DEPOSITS	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	OXFORD CLAY	LANDFILL MATERIAL	LANDFILL LINER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL
					Sampled Date	19/04/2017	07/11/2017	07/11/2017	07/11/2017	25/05/2017	25/05/2017	25/05/2017	07/11/2017	07/11/2017	07/11/2017	09/05/2017	08/05/2017	11/04/2017	11/04/2017	20/04/2017	20/04/2017	20/04/2017	20/04/2017	07/11/2017
Test	**Units**	**Max**	**Location of max**	**Strata**	**Criteria**																			
Fraction Organic Carbon	None	0.2	TP373A	0		-	0.04	0.03	0.13	-	-	-	0.02	0.01	0.01	-	-	<0.001	0.005	-	-	-	-	<0.002
Moisture Content 105C (% Dry Weight)	%	192.3	TP379	LANDFILL MATERIAL		22.80				17.00	16.90	42.80		-	-	20.6	26.6	26.3	26.5	34.90	21.10	54.30	65.10	
Dry Matter Content Ratio 105°C	%	92.7	TP302	ALLUVIUM		81.40				85.50	85.60	70.00		-	-	82.9	79	79.2	79.1	74.10	82.60	64.80	60.60	
Sulphate as SO4 (2:1 Ext) #M	g/l	1.4	BH337A	0		-	0.06	0.19	0.17	-	-	-	<0.004	0.06	0.12	-	-	0.0139	0.0497	-	-	-	-	0.02
Metals																								
Arsenic #M	mg/kg	193.3	BH365FH	RIVER TERRACE DEPOSITS	170	-	18.10	19.80	16.90	-	-	-	7.93	36.10	19.60	-	-	20.8	17.1	-	-	-	-	13.00
Cadmium #M	mg/kg	16.7	TP374A	LANDFILL MATERIAL	532	-	0.54	0.68	0.61	-	-	-	0.08	0.57	<0.02	-	-	<0.1	<0.1	-	-	-	-	0.36
Chromium #M	mg/kg	416.0	TP373A	0	33000	-	2.12	16.90	16.60	-	-	-	24.40	15.60	32.40	-	-	47.3	36.9	-	-	-	-	11.30
Hexavalent Chromium #	mg/kg	2.7	TP360A	LANDFILL LINER	220	-	0.83	<0.6	<0.6	-	-	-	<0.6	<0.6	<0.6	-	-	<0.3	<0.3	-	-	-	-	<0.6
Copper #M	mg/kg	22,600.0	TP360A	LANDFILL LINER	44000	-	386.00	59.80	43.10	-	-	-	13.10	31.50	9.20	-	-	6	13	-	-	-	-	12.70
Lead #M	mg/kg	2,000.0	TP373A	0	630	-	66.50	176.00	89.50	-	-	-	36.90	77.30	19.80	-	-	12	15	-	-	-	-	16.90
Mercury #M	mg/kg	4.1	TP373A	0	30	-	0.95	1.13	1.03	-	-	-	0.29	1.21	<0.14	-	-	<0.1	<0.1	-	-	-	-	0.64
Nickel #M	mg/kg	95.9	TP362A	LANDFILL MATERIAL	3400	-	15.50	44.50	27.00	-	-	-	21.50	31.70	22.60	-	-	51.1	50.8	-	-	-	-	13.80
Water Soluble Boron #M	mg/kg	71.5	TP362A	LANDFILL MATERIAL	46000	-	10.00	18.00	19.80	-	-	-	9.69	11.40	15.30	-	-	0.9	5.2	-	-	-	-	4.97
Zinc #M	mg/kg	6,250.0	TP373A	0		-	354.00	248.00	196.00	-	-	-	128.00	157.00	87.00	-	-	53	106	-	-	-	-	63.30
PAH MS																								
Acenaphthene #M	mg/kg	0.9	BH302	MADE GROUND - OTHER	29000	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	-	-	-	-	-
Acenaphthylene	mg/kg	8.4	BH302	MADE GROUND - OTHER	29000	-	-	-	-	-	-	-	-	-	-	-	-	<0.03	<0.03	-	-	-	-	-
Anthracene #	mg/kg	13.4	BH302	MADE GROUND - OTHER	150000	-	-	-	-	-	-	-	-	-	-	-	-	<0.04	<0.04	-	-	-	-	-
Benzo(a)anthracene #	mg/kg	19.5	BH302	MADE GROUND - OTHER	49	-	-	-	-	-	-	-	-	-	-	-	-	<0.06	<0.06	-	-	-	-	-
Benzo(a)pyrene #	mg/kg	16.3	BH302	MADE GROUND - OTHER	11	-	-	-	-	-	-	-	-	-	-	-	-	<0.04	<0.04	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	19.0	BH302	MADE GROUND - OTHER	13	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	-	-	-	-	-
Benzo(ghi)perylene #	mg/kg	9.4	BH302	MADE GROUND - OTHER	1400	-	-	-	-	-	-	-	-	-	-	-	-	<0.04	<0.04	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	7.4	BH302	MADE GROUND - OTHER	370	-	-	-	-	-	-	-	-	-	-	-	-	<0.02	<0.02	-	-	-	-	-
Chrysene #M	mg/kg	19.4	BH302	MADE GROUND - OTHER	93	-	-	-	-	-	-	-	-	-	-	-	-	<0.02	<0.02	-	-	-	-	-
Dibenzo(ah)anthracene #	mg/kg	2.7	BH302	MADE GROUND - OTHER	1.1	-	-	-	-	-	-	-	-	-	-	-	-	<0.04	<0.04	-	-	-	-	-
Fluoranthene #M	mg/kg	49.8	BH302	MADE GROUND - OTHER	6300	-	-	-	-	-	-	-	-	-	-	-	-	<0.03	<0.03	-	-	-	-	-
Fluorene #M	mg/kg	2.4	BH302	MADE GROUND - OTHER	20000	-	-	-	-	-	-	-	-	-	-	-	-	<0.04	<0.04	-	-	-	-	-
Indeno(123cd)pyrene #M	mg/kg	10.2	BH302	MADE GROUND - OTHER	150	-	-	-	-	-	-	-	-	-	-	-	-	<0.04	<0.04	-	-	-	-	-
Naphthalene #M	mg/kg	4.4	BH302	MADE GROUND - OTHER	1200	-	-	-	-	-	-	-	-	-	-	-	-	<0.04	<0.04	-	-	-	-	-
Phenanthrene #M	mg/kg	52.0	BH302	MADE GROUND - OTHER	6200	-	-	-	-	-	-	-	-	-	-	-	-	<0.03	<0.03	-	-	-	-	-
Pyrene #	mg/kg	37.6	BH302	MADE GROUND - OTHER	150000	-	-	-	-	-	-	-	-	-	-	-	-	<0.03	<0.03	-	-	-	-	-
PAH 16 Total	mg/kg	272.7	BH302	MADE GROUND - OTHER		-	-	-	-	-	-	-	-	-	-	-	-	<0.6	<0.6	-	-	-	-	-
PAH Surrogate % Recovery	%					-	-	-	-	-	-	-	-	-	-	-	-	100	96	-	-	-	-	-
Benzo(bk)fluoranthene #M	mg/kg	108.0	CPT301-IP	0		-	-	-	-	-	-	-	-	-	-	-	-	<0.07	<0.07	-	-	-	-	-
Acenaphthene	µg/kg	11,400.0	TP363A	LANDFILL MATERIAL	29,000,000	-	<8	<8	<8	-	-	-	<8	<8	<8	-	-	-	-	-	-	-	-	<8
Acenaphthylene	µg/kg	2,230.0	TP363A	LANDFILL MATERIAL	29,000,000	-	<12	<12	25.50	-	-	-	<12	103.00	<12	-	-	-	-	-	-	-	-	17.20
Anthracene	µg/kg	24,100.0	TP363A	LANDFILL MATERIAL	150,000,000	-	25.10	<16	26.00	-	-	-	<16	106.00	<16	-	-	-	-	-	-	-	-	49.40
Benz(a)anthracene	µg/kg	59,700.0	TP363A	LANDFILL MATERIAL	49,000	-	81.30	66.60	139.00	-	-	-	81.70	417.00	<14	-	-	-	-	-	-	-	-	299.00
Benzo(a)pyrene	µg/kg	67,000.0	TP363A	LANDFILL MATERIAL	11,000	-	78.40	50.20	193.00	-	-	-	78.50	382.00	<15	-	-	-	-	-	-	-	-	265.00
Benzo(b)fluoranthene	µg/kg	88,900.0	TP363A	LANDFILL MATERIAL	13,000	-	150.00	89.70	330.00	-	-	-	116.00	543.00	<15	-	-	-	-	-	-	-	-	306.00
Benzo(g,h,i)perylene	µg/kg	34,800.0	TP363A	LANDFILL MATERIAL	1,400,000	-	90.30	61.10	202.00	-	-	-	73.20	297.00	<24	-	-	-	-	-	-	-	-	144.00
Benzo(k)fluoranthene	µg/kg	29,000.0	TP363A	LANDFILL MATERIAL	370,000	-	59.40	47.50	109.00	-	-	-	37.70	173.00	<14	-	-	-	-	-	-	-	-	140.00
Chrysene	µg/kg	52,300.0	TP363A	LANDFILL MATERIAL	93,000	-	61.00	39.70	144.00	-	-	-	61.30	383.00	18.80	-	-	-	-	-	-	-	-	241.00
Dibenzo(a,h)anthracene	µg/kg	11,100.0	TP363A	LANDFILL MATERIAL	1,100	-	<23	<23	41.50	-	-	-	<23	66.50	<23	-	-	-	-	-	-	-	-	37.10
Fluoranthene	µg/kg	128,000.0	TP363A	LANDFILL MATERIAL	6,300,000	-	90.90	51.60	174.00	-	-	-	91.10	794.00	25.20	-	-	-	-	-	-	-	-	521.00
Fluorene	µg/kg	12,800.0	TP363A	LANDFILL MATERIAL	20,000,000	-	<10	<10	<10	-	-	-	<10	19.40	<10	-	-	-	-	-	-	-	-	<10
Indeno(1,2,3-cd)pyrene	µg/kg	34,000.0	TP363A	LANDFILL MATERIAL	150,000	-	65.80	43.80	152.00	-	-	-	53.00	229.00	<18	-	-	-	-	-	-	-	-	129.00
Naphthalene	µg/kg	3,880.0	TP363A	LANDFILL MATERIAL	1,200,000	-	38.40	13.30	32.40	-	-	-	<9	24.50	<9	-	-	-	-	-	-	-	-	38.70

					Sample ID	TP375	TP375A	TP375A	TP375A	TP377	TP377	TP377	TP377A	TP377A	TP377A	BH328	BH345	TP346R	TP346R	TP356	TP356	TP359	TP359	TP359A
					Depth	1.25	0.40-0.40	1.10-1.10	1.25-1.25	0.30	0.60	1.20	0.30-0.30	0.60-0.60	1.20-1.20	2.90	2.90	1.00	2.50	0.50	1.20	0.70	1.70	0.50-0.50
					Scheme Area	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
					Relevant design feature	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill
					Material	LANDFILL LINER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER	MADE GROUND - OTHER	MADE GROUND - OTHER	MADE GROUND - OTHER				RIVER TERRACE DEPOSITS	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	OXFORD CLAY	LANDFILL MATERIAL	LANDFILL LINER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL
					Sampled Date	19/04/2017	07/11/2017	07/11/2017	07/11/2017	25/05/2017	25/05/2017	25/05/2017	07/11/2017	07/11/2017	07/11/2017	09/05/2017	08/05/2017	11/04/2017	11/04/2017	20/04/2017	20/04/2017	20/04/2017	20/04/2017	07/11/2017
Phenanthrene	µg/kg	71,500.0	TP363A	LANDFILL MATERIAL	6,200,000	-	61.30	30.00	55.80	-	-	-	37.80	279.00	<15	-	-	-	-	-	-	-	-	144.00
Pyrene	µg/kg	84,300.0	TP363A	LANDFILL MATERIAL	150,000,000	-	74.60	42.10	143.00	-	-	-	80.10	708.00	22.90	-	-	-	-	-	-	-	-	445.00
PAH, Total Detected USEPA 16	µg/kg	712,000.0	TP363A	LANDFILL MATERIAL		-	876.00	536.00	1,770.00	-	-	-	710.00	4,530.00	<118	-	-	-	-	-	-	-	-	2,780.00
TPH CWG																								
Aliphatics																								
>C5-C6 #M	mg/kg	0.0	N/A	N/A	95,000.00	<0.1	-	-	-	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
>C6-C8 #M	mg/kg	0.2	TP359	LANDFILL MATERIAL	150,000.00	<0.1	-	-	-	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.20	<0.1	-
>C8-C10	mg/kg	28.3	TP373	LANDFILL MATERIAL	14,000.00	<0.1	-	-	-	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2.60	0.10	-
>C10-C12 #M	mg/kg	126.7	TP373	LANDFILL MATERIAL	21,000.00	<0.2	-	-	-	<0.2	<0.2	<0.2	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	30.50	<0.2	-
>C12-C16 #M	mg/kg	84.0	TP378	MADE GROUND - OTHER	25,000.00	<4	-	-	-	<4	<4	<4	-	-	-	<4	<4	<4	<4	<4	<4	45.00	<4	-
>C16-C21 #M	mg/kg	429.0	TP378	MADE GROUND - OTHER	450,000.00	<7	-	-	-	<7	<7	<7	-	-	-	<7	<7	<7	<7	20.00	<7	164.00	18.00	-
>C21-C35 #M	mg/kg	8,339.0	TP373	LANDFILL MATERIAL	45,000.00	<7	-	-	-	<7	<7	20.00	-	-	-	<7	<7	<7	<7	155.00	63.00	<7	<7	-
Aliphatics >C5-C6	µg/kg	64.0	TP374A	LANDFILL MATERIAL	95,000,000.00	-	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	-	-	-	-	-	<10
Aliphatics >C6-C8	µg/kg	568.0	TP363A	LANDFILL MATERIAL	150,000,000.00	-	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	-	-	-	-	-	<10
Aliphatics >C8-C10	µg/kg	1,010.0	TP374A	LANDFILL MATERIAL	14,000,000.00	-	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	-	-	-	-	-	<10
Aliphatics >C10-C12	µg/kg	1,210.0	TP359A	LANDFILL MATERIAL	21,000,000.00	-	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	-	-	-	-	-	<10
Aliphatics >C12-C16	µg/kg	189,000.0	TP373A	0	25,000,000.00	-	<100	1,960.00	<100	-	-	-	<100	<100	<100	-	-	-	-	-	-	-	-	<100
Aliphatics >C16-C21	µg/kg	154,000.0	TP359A	LANDFILL MATERIAL	450,000,000.00	-	14,700.00	24,100.00	3,400.00	-	-	-	<100	<100	<100	-	-	-	-	-	-	-	-	<100
Aliphatics >C21-C35	µg/kg	9,190,000.0	TP373A	0	45,000,000.00	-	141,000.00	128,000.00	43,900.00	-	-	-	6,780.00	7,810.00	6,240.00	-	-	-	-	-	-	-	-	13,400.00
Aliphatics >C35-C44	µg/kg	1,370,000.0	TP373A	0	95,000,000,000.00	-	31,600.00	21,000.00	10,100.00	-	-	-	457.00	<100	<100	-	-	-	-	-	-	-	-	<100
Total Aliphatics >C12-C44	µg/kg	10,800,000.0	TP373A	0	95,000,000,000.00	-	187,000.00	175,000.00	57,400.00	-	-	-	7,240.00	7,810.00	6,240.00	-	-	-	-	-	-	-	-	13,400.00
Aromatics																								
>C5-EC7 #	mg/kg	0.0	N/A	N/A	76000	<0.1				<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
>EC7-EC8 #	mg/kg	0.0	N/A	N/A	87000	<0.1				<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
>EC8-EC10 #M	mg/kg	0.0	N/A	N/A	7200	<0.1				<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
>EC10-EC12 #	mg/kg	16.0	TP373	LANDFILL MATERIAL	9200	<0.2				<0.2	<0.2	<0.2				<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
>EC12-EC16 #	mg/kg	125.0	TP363	LANDFILL MATERIAL	10000	<4				<4	<4	<4				<4	<4	<4	<4	15.00	<4	<4	<4	
>EC16-EC21 #	mg/kg	802.0	TP363	LANDFILL MATERIAL	7600	15.00				<7	<7	<7				<7	<7	<7	<7	105.00	32.00	171.00	21.00	
>EC21-EC35 #	mg/kg	3,721.0	TP373	LANDFILL MATERIAL	7800	69.00				<7	<7	<7				<7	<7	<7	<7	377.00	216.00	1,168.00	261.00	
Aromatics >EC5-EC7	µg/kg	16.3	TP359A	LANDFILL MATERIAL	76,000,000	-	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	-	-	-	-	-	<10
Aromatics >EC7-EC8	µg/kg	273.0	TP363A	LANDFILL MATERIAL	87,000,000	-	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	-	-	-	-	-	<10
Aromatics >EC8-EC10	µg/kg	737.0	TP359A	LANDFILL MATERIAL	7,200,000	-	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	-	-	-	-	-	<10
Aromatics >EC10-EC12	µg/kg	806.0	TP359A	LANDFILL MATERIAL	9,200,000	-	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	-	-	-	-	-	<10
Aromatics >EC12-EC16	µg/kg	54,000.0	TP363A	LANDFILL MATERIAL	10,000,000	-	662.00	17,900.00	110.00	-	-	-	<100	<100	<100	-	-	-	-	-	-	-	-	197.00
Aromatics >EC16-EC21	µg/kg	265,000.0	TP363A	LANDFILL MATERIAL	7,600,000	-	9,450.00	70,900.00	2,220.00	-	-	-	578.00	2,430.00	<100	-	-	-	-	-	-	-	-	2,720.00
Aromatics >EC21-EC35	µg/kg	1,390,000.0	TP363A	LANDFILL MATERIAL	7,800,000	-	104,000.00	1,210,000.00	58,700.00	-	-	-	14,800.00	15,400.00	6,430.00	-	-	-	-	-	-	-	-	10,100.00
Aromatics >EC35-EC44	µg/kg	816,000.0	TP363A	LANDFILL MATERIAL	7,800,000	-	38,800.00	58,900.00	16,700.00	-	-	-	9,110.00	4,820.00	972.00	-	-	-	-	-	-	-	-	2,080.00
Aromatics >EC40-EC44	µg/kg	346,000.0	TP363A	LANDFILL MATERIAL	7,800,000	-	13,000.00	11,200.00	4,480.00	-	-	-	1,250.00	907.00	<100	-	-	-	-	-	-	-	-	1,110.00
Total Aromatics >EC12-EC44	µg/kg	2,530,000.0	TP363A	LANDFILL MATERIAL	7,800,000	-	153,000.00	1,360,000.00	77,700.00	-	-	-	24,500.00	22,600.00	7,410.00	-	-	-	-	-	-	-	-	15,100.00
TPH CWG																								
Aliphatics																								
Total aliphatics C5-35	mg/kg	8,811.0	TP373	LANDFILL MATERIAL		<19	-	-	-	<19	<19	20.00	-	-	-	<19	<19	<19	<19	175.00	63.00	242.00	<19	-
Total Aliphatics >C12-C44	µg/kg	10,800,000.0	TP373A	0		-	187,000.00	175,000.00	57,400.00	-	-	-	7,240.00	7,810.00	6,240.00	-	-	-	-	-	-	-	-	13,400.00
Aromatics																								
Total aromatics C5-35 #	mg/kg	4,065.0	TP373	LANDFILL MATERIAL		84.00				<19	<19	<19				<19	<19	<19	<19	497.00	248.00	1,339.00	282.00	
Total Aromatics >EC12-EC44	µg/kg	2,530,000.0	TP363A	LANDFILL MATERIAL			153,000.00	1,360,000.00	77,700.00				24,500.00	22,600.00	7,410.00	-	-	-	-	-	-	-		15,100.00
Total aliphatics and aromatics(C5-35)	mg/kg	12,876.0	TP373	LANDFILL MATERIAL		84.00				<38	<38	<38				<38	<38	<38	<38	672.00	311.00	1,581.00	282.00	
Total Aliphatics & Aromatics >C5-C44	µg/kg	11,700,000.0	TP373A	0			340,000.00	1,530,000.00	135,000.00				33,000.00	30,400.00	13,700.00	-	-	-	-	-	-	-		28,400.00

					Sample ID	TP375	TP375A	TP375A	TP375A	TP377	TP377	TP377	TP377A	TP377A	TP377A	BH328	BH345	TP346R	TP346R	TP356	TP356	TP359	TP359	TP359A
					Depth	1.25	0.40-0.40	1.10-1.10	1.25-1.25	0.30	0.60	1.20	0.30-0.30	0.60-0.60	1.20-1.20	2.90	2.90	1.00	2.50	0.50	1.20	0.70	1.70	0.50-0.50
					Scheme Area	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
					Relevant design feature	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill
					Material	LANDFILL LINER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER	MADE GROUND - OTHER	MADE GROUND - OTHER	MADE GROUND - OTHER				RIVER TERRACE DEPOSITS	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	OXFORD CLAY	LANDFILL MATERIAL	LANDFILL LINER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL
					Sampled Date	19/04/2017	07/11/2017	07/11/2017	07/11/2017	25/05/2017	25/05/2017	25/05/2017	07/11/2017	07/11/2017	07/11/2017	09/05/2017	08/05/2017	11/04/2017	11/04/2017	20/04/2017	20/04/2017	20/04/2017	20/04/2017	07/11/2017
MTBE #	ug/kg	0.0	N/A	N/A		-	<5	<5	<5	-	-	-	<5	<5	<5	-	-	<5	<5	-	-	-	-	<5
Benzene #	ug/kg	16.3	TP359A	LANDFILL MATERIAL	90	-	<10	<10	<10	-	-	-	<10	<10	<10	-	-	<5	<5	-	-	-	-	<10
Toluene #	ug/kg	273.0	TP363A	LANDFILL MATERIAL	87000	-	7.81	<2	4.37	-	-	-	<2	<2	<2	-	-	<5	<5	-	-	-	-	<2
Ethylbenzene #	ug/kg	35.5	TP363A	LANDFILL MATERIAL	17000	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	<5	<5	-	-	-	-	<3
m/p-Xylene #	ug/kg	101.0	TP359A	LANDFILL MATERIAL	17000	-	<6	<6	<6	-	-	-	<6	<6	<6	-	-	<5	<5	-	-	-	-	<6
o-Xylene #	ug/kg	35.6	TP359A	LANDFILL MATERIAL	17000	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	<5	<5	-	-	-	-	<3
Total Phenols HPLC	mg/kg	3.4	BH369	RIVER TERRACE DEPOSITS		-	<0.01	<0.01	<0.01	-	-	-	0.02	<0.01	<0.01	-	-	<0.15	<0.15	-	-	-	-	<0.01
-tural Moisture Content	%	112.9	TP373	LANDFILL MATERIAL		40.40				37.30	12.70	30.80			-	12	35.1	23.7	24.2	18.50	21.20	73.10	31.30	
-tural Moisture Content	%	29.5	BH334	MADE GROUND - A423 EMBANKMENT		-									-	-		-	-					
pH #M	pH units	11.9	TP363A	LANDFILL MATERIAL		-	7.88	7.88	8.03	-	-	-	7.43	7.88	8.14			7.73	8.33	-	-	-	-	8.75
Sample Type	None	0.0	N/A	N/A		-	-	Loamy Sand	Clay Loam	Sandy Loam	Loam	Clay	Loamy Sand	Loamy Sand	Clay	Sand	Clay	Clay	Clay	Loam	Loam	Clayey Loam	Sandy Loam	Loamy Sand
Sample Colour	None	0.0	N/A	N/A		-	Dark Brown	Dark Brown	Dark Brown	Medium Brown	Dark Brown	Medium Brown	Cream	Dark Brown	Dark Brown	Light Brown	Light Brown	Medium Brown	Medium Grey	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Light Brown
Other Items	None	0.0	N/A	N/A		-	Glass & Stones	Plastic	Vegetation	stones	stones & glass	roots	Vegetation	Stones	Stones	stones	'-	stones	'-	stones	stones	paper, glass & stones	glass & stones	Stones
Moisture Content*	%	151.0	TP344	ORGANIC ALLUVIUM		-	-	-	-	-	-	-	-	-	-			24.8	25.6	-	-	-	-	
Bulk Density*	mg/m3	2.1	BH369	MADE GROUND - A423 EMBANKMENT		-	-	-	-	-	-	-	-	-	-			1.93	1.99	-	-	-	-	
Dry Density*	mg/m3	1.8	TP314	MADE GROUND - OTHER		-	-	-	-	-	-	-	-	-	-			1.55	1.58	-	-	-	-	
Asbestos																								
General Description (Bulk A'-lysis)	None	0.0	N/A	N/A		-				-	-	-				-	-	Clay/Stones	Clay/Stones	-	-	-	-	
Asbestos Fibres	None	0.0	N/A	N/A		-	NAD	NAD	NAD	-	-	-	NAD	NAD	NAD	-	-	NAD	NAD	-	-	-	-	NAD
Asbestos Fibres (2)	None	0.0	N/A	N/A		-	NAD	NAD	NAD	-	-	-	NAD	NAD	NAD	-	-	NAD	NAD	-	-	-	-	NAD
Asbestos ACM	None	0.0	N/A	N/A		-	NAD	NAD	NAD	-	-	-	NAD	NAD	NAD	-	-	NAD	NAD	-	-	-	-	NAD
Asbestos ACM (2)	None	0.0	N/A	N/A		-	NAD	NAD	NAD	-	-	-	NAD	NAD	NAD	-	-	NAD	NAD	-	-	-	-	NAD
Asbestos Type #	None	0.0	N/A	N/A		-	NAD	NAD	NAD	-	-	-	NAD	NAD	NAD	-	-	NAD	NAD	-	-	-	-	NAD
Asbestos Type (2) #	None	0.0	N/A	N/A		-	NAD	NAD	NAD	-	-	-	NAD	NAD	NAD	-	-	NAD	NAD	-	-	-	-	NAD
Asbestos Level Screen	None	0.0	N/A	N/A		-	NAD	NAD	NAD	-	-	-	NAD	NAD	NAD	-	-	NAD	NAD	-	-	-	-	NAD
Mass of Dry Sample	g	56.9	BH365FH	RIVER TERRACE DEPOSITS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Gravimetric Quantification	mass %	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos PCOM Quantification (Fibres)	mass %	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Gravimetric & PCOM Total	mass %	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Available Phosphorus (Index)	mg/l					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VOC MS																								
Dichlorodifluoromethane	ug/kg	0.0	N/A	N/A		<2	<60	<6	<6	<2	<2	-	<6	<6	<6	<2	<2	-	-	<2	<2	<2	<2	<6
Methyl Tertiary Butyl Ether #M	ug/kg	0.0	N/A	N/A		<6	<100	<10	<10	<6	<6	-	<10	<10	<10	<6	<6	-	-	<6	<6	<6	<6	<10
Chloromethane #	ug/kg	25.0	TP362	LANDFILL MATERIAL		<3	<70	<7	<7	<3	<3	-	<7	<7	<7	<3	<3	-	-	<3	<3	<3	9.00	<7
Vinyl Chloride	ug/kg	11.4	TP374A	LANDFILL MATERIAL		<2	<60	<6	<6	<2	<2	-	<6	<6	<6	<2	<2	-	-	<2	<2	<2	<2	<6
Bromomethane	ug/kg	0.0	N/A	N/A		<1	<100	<10	<10	<1	<1	-	<10	<10	<10	<1	<1	-	-	<1	<1	<1	<1	<10
Chloroethane #M	ug/kg	0.0	N/A	N/A		<6	<100	<10	<10	<6	<6	-	<10	<10	<10	<6	<6	-	-	<6	<6	<6	<6	<10
Trichlorofluoromethane #M	ug/kg	0.0	N/A	N/A		<3	<60	<6	<6	<3	<3	-	<6	<6	<6	<3	<3	-	-	<3	<3	<3	<3	<6
1,1-Dichloroethene (1,1 DCE) #M	ug/kg	0.0	N/A	N/A		<6	<100	<10	<10	<6	<6	-	<10	<10	<10	<6	<6	-	-	<6	<6	<6	<6	<10
Dichloromethane (DCM) #	ug/kg	477.0	TP363A	LANDFILL MATERIAL		<30	<100	20.30	39.00	<30	<30	-	<10	20.70	<10	<30	<30	-	-	<30	45.00	<30	186.00	<10
trans-1-2-Dichloroethene #	ug/kg	0.0	N/A	N/A		<3	<100	<10	<10	<3	<3	-	<10	<10	<10	<3	<3	-	-	<3	<3	<3	<3	<10
1,1-Dichloroethane #M	ug/kg	0.0	N/A	N/A		<6	<80	<8	<8	<6	<6	-	<8	<8	<8	<6	<6	-	-	<6	<6	<6	<6	<8
cis-1-2-Dichloroethene #M	ug/kg	160.0	TP374A	LANDFILL MATERIAL		<7	<60	<6	<6	<7	<7	-	<6	<6	<6	<7	<7	-	-	<7	<7	<7	<7	<6
2,2-Dichloropropane	ug/kg	0.0	N/A	N/A		<4	<100	<10	<10	<4	<4	-	<10	<10	<10	<4	<4	-	-	<4	<4	<4	<4	<10
Bromochloromethane #M	ug/kg	0.0	N/A	N/A		<4	<100	<10	<10	<4	<4	-	<10	<10	<10	<4	<4	-	-	<4	<4	<4	<4	<10
Chloroform #M	ug/kg	0.0	N/A	N/A		<5	<80	<8	<8	<5	<5	-	<8	<8	<8	<5	<5	-	-	<5	<5	<5	<5	<8
1,1,1-Trichloroethane #M	ug/kg	0.0	N/A	N/A		<5	<70	<7	<7	<5	<5	-	<7	<7	<7	<5	<5	-	-	<5	<5	<5	<5	<7

					Sample ID	TP375	TP375A	TP375A	TP375A	TP377	TP377	TP377	TP377A	TP377A	TP377A	BH328	BH345	TP346R	TP346R	TP356	TP356	TP359	TP359	TP359A
					Depth	1.25	0.40-0.40	1.10-1.10	1.25-1.25	0.30	0.60	1.20	0.30-0.30	0.60-0.60	1.20-1.20	2.90	2.90	1.00	2.50	0.50	1.20	0.70	1.70	0.50-0.50
					Scheme Area	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
					Relevant design feature	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill
					Material	LANDFILL LINER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER	MADE GROUND - OTHER	MADE GROUND - OTHER	MADE GROUND - OTHER				RIVER TERRACE DEPOSITS	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	OXFORD CLAY	LANDFILL MATERIAL	LANDFILL LINER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL
					Sampled Date	19/04/2017	07/11/2017	07/11/2017	07/11/2017	25/05/2017	25/05/2017	25/05/2017	07/11/2017	07/11/2017	07/11/2017	09/05/2017	08/05/2017	11/04/2017	11/04/2017	20/04/2017	20/04/2017	20/04/2017	20/04/2017	07/11/2017
1,1-Dichloropropene [#]	ug/kg	0.0	N/A	N/A		<3	<100	<10	<10	<3	<3	-	<10	<10	<10	<3	<3	-	-	<3	<3	<3	<3	<10
Carbon tetrachloride [#M]	ug/kg	0.0	N/A	N/A		<4	<100	<10	<10	<4	<4	-	<10	<10	<10	<4	<4	-	-	<4	<4	<4	<4	<10
1,2-Dichloroethane [#M]	ug/kg	0.0	N/A	N/A		<5	<50	<5	<5	<5	<5	-	<5	<5	<5	<5	<5	-	-	<5	<5	<5	<5	<5
Benzene [#M]	ug/kg	16.0	TP359	LANDFILL MATERIAL		<5	<90	<9	<9	<5	<5	-	<9	<9	<9	<5	<5	-	-	<5	<5	16.00	8.00	<9
Trichloroethene (TCE) [#M]	ug/kg	139.0	TP374A	LANDFILL MATERIAL		<5	<90	<9	<9	<5	<5	-	<9	<9	<9	<5	<5	-	-	<5	<5	<5	<5	<9
1,2-Dichloropropane [#M]	ug/kg	0.0	N/A	N/A		<4	<100	<10	<10	<4	<4	-	<10	<10	<10	<4	<4	-	-	<4	<4	<4	<4	<10
Dibromomethane [#M]	ug/kg	0.0	N/A	N/A		<4	<90	<9	<9	<4	<4	-	<9	<9	<9	<4	<4	-	-	<4	<4	<4	<4	<9
Bromodichloromethane [#M]	ug/kg	0.0	N/A	N/A		<4	<70	<7	<7	<4	<4	-	<7	<7	<7	<4	<4	-	-	<4	<4	<4	<4	<7
cis-1-3-Dichloropropene	ug/kg	0.0	N/A	N/A		<4	<100	<10	<10	<4	<4	-	<10	<10	<10	<4	<4	-	-	<4	<4	<4	<4	<10
Toluene [#M]	ug/kg	24.0	TP359	LANDFILL MATERIAL		<3	<70	<7	<7	<3	<3	-	<7	<7	<7	<3	<3	-	-	<3	<3	24.00	16.00	<7
trans-1-3-Dichloropropene	ug/kg	0.0	N/A	N/A		<3	<100	<10	<10	<3	<3	-	<10	<10	<10	<3	<3	-	-	<3	<3	<3	<3	<10
1,1,2-Trichloroethane [#M]	ug/kg	0.0	N/A	N/A		<4	<100	<10	<10	<4	<4	-	<10	<10	<10	<4	<4	-	-	<4	<4	<4	<4	<10
Tetrachloroethene (PCE) [#]	ug/kg	847.0	TP374A	LANDFILL MATERIAL		48.00	<50	8.81	9.04	<3	<3	-	<5	<5	<5	<3	<3	-	-	14.00	8.00	16.00	<3	<5
1,3-Dichloropropane [#M]	ug/kg	0.0	N/A	N/A		<4	<70	<7	<7	<4	<4	-	<7	<7	<7	<4	<4	-	-	<4	<4	<4	<4	<7
Dibromochloromethane [#M]	ug/kg	0.0	N/A	N/A		<5	<100	<10	<10	<5	<5	-	<10	<10	<10	<5	<5	-	-	<5	<5	<5	<5	<10
1,2-Dibromoethane [#]	ug/kg	0.0	N/A	N/A		<3	<100	<10	<10	<3	<3	-	<10	<10	<10	<3	<3	-	-	<3	<3	<3	<3	<10
Chlorobenzene [#M]	ug/kg	79.0	TP373	LANDFILL MATERIAL		<4	<50	<5	<5	<4	<4	-	<5	<5	<5	<4	<4	-	-	<4	<4	<4	<4	<5
1,1,1,2-Tetrachloroethane [#M]	ug/kg	0.0	N/A	N/A		<5	<100	<10	<10	<5	<5	-	<10	<10	<10	<5	<5	-	-	<5	<5	<5	<5	<10
Ethylbenzene [#M]	ug/kg	19.0	TP363	LANDFILL MATERIAL		<3	<40	<4	<4	<3	<3	-	<4	<4	<4	<3	<3	-	-	<3	<3	10.00	<3	<4
p/m-Xylene [#M]	ug/kg	95.0	TP359	LANDFILL MATERIAL		<4	<100	<10	<10	<4	<4	-	<10	<10	<10	<4	<4	-	-	<4	<4	95.00	16.00	<10
o-Xylene [#M]	ug/kg	35.0	TP359	LANDFILL MATERIAL		<4	<100	<10	<10	<4	<4	-	<10	<10	<10	<4	<4	-	-	<4	<4	35.00	5.00	<10
Styrene	ug/kg	28.0	TP359	LANDFILL MATERIAL		<3	<100	<10	<10	<3	<3	-	<10	<10	<10	<3	<3	-	-	<3	<3	28.00	<3	<10
Bromoform	ug/kg	0.0	N/A	N/A		<4	<100	<10	<10	<4	<4	-	<10	<10	<10	<4	<4	-	-	<4	<4	<4	<4	<10
Isopropylbenzene [#]	ug/kg	62.0	TP373	LANDFILL MATERIAL		<3	<50	<5	<5	<3	<3	-	<5	<5	<5	<3	<3	-	-	<3	<3	17.00	<3	<5
1,1,2,2-Tetrachloroethane [#M]	ug/kg	0.0	N/A	N/A		<3	<100	<10	<10	<3	<3	-	<10	<10	<10	<3	<3	-	-	<3	<3	<3	<3	<10
Bromobenzene	ug/kg	0.0	N/A	N/A		<2	<100	<10	<10	<2	<2	-	<10	<10	<10	<2	<2	-	-	<2	<2	<2	<2	<10
1,2,3-Trichloropropane [#M]	ug/kg	0.0	N/A	N/A		<4	<160	<16	<16	<4	<4	-	<16	<16	<16	<4	<4	-	-	<4	<4	<4	<4	<16
Propylbenzene [#]	ug/kg	27.0	TP363	LANDFILL MATERIAL		<4	<100	<10	<10	<4	<4	-	<10	<10	<10	<4	<4	-	-	<4	<4	<4	<4	<10
2-Chlorotoluene	ug/kg	0.0	N/A	N/A		<3	<90	<9	<9	<3	<3	-	<9	<9	<9	<3	<3	-	-	<3	<3	<3	<3	<9
1,3,5-Trimethylbenzene [#]	ug/kg	85.0	TP359	LANDFILL MATERIAL		<3	<80	<8	<8	<3	<3	-	<8	<8	<8	<3	<3	-	-	<3	<3	85.00	<3	<8
4-Chlorotoluene	ug/kg	0.0	N/A	N/A		<3	<100	<10	<10	<3	<3	-	<10	<10	<10	<3	<3	-	-	<3	<3	<3	<3	<10
tert-Butylbenzene [#]	ug/kg	0.0	N/A	N/A		<5	<140	<14	<14	<5	<5	-	<14	<14	<14	<5	<5	-	-	<5	<5	<5	<5	<14
1,2,4-Trimethylbenzene [#]	ug/kg	314.0	TP363	LANDFILL MATERIAL		<6	<90	<9	<9	<6	<6	-	<9	<9	<9	<6	<6	-	-	<6	<6	199.00	20.00	<9
sec-Butylbenzene [#]	ug/kg	368.0	TP373	LANDFILL MATERIAL		<4	<100	<10	<10	<4	<4	-	<10	<10	<10	<4	<4	-	-	<4	<4	61.00	<4	<10
4-Isopropyltoluene [#]	ug/kg	2,879.0	TP362	LANDFILL MATERIAL		<4	<100	<10	<10	<4	<4	-	<10	<10	<10	<4	<4	-	-	<4	<4	<4	<4	<10
1,3-Dichlorobenzene [#M]	ug/kg	0.0	N/A	N/A		<4	<80	<8	<8	<4	<4	-	<8	<8	<8	<4	<4	-	-	<4	<4	<4	<4	<8
1,4-Dichlorobenzene [#]	ug/kg	460.0	TP373	LANDFILL MATERIAL		<4	<50	<5	<5	<4	<4	-	<5	<5	<5	<4	<4	-	-	<4	<4	<4	<4	<5
n-Butylbenzene [#]	ug/kg	25.0	TP363	LANDFILL MATERIAL		<4	<110	<11	<11	<4	<4	-	<11	<11	<11	<4	<4	-	-	<4	<4	<4	<4	<11
1,2-Dichlorobenzene [#M]	ug/kg	6.0	TP363	LANDFILL MATERIAL		<4	<100	<10	<10	<4	<4	-	<10	<10	<10	<4	<4	-	-	<4	<4	<4	<4	<10
1,2-Dibromo-3-chloropropane [#]	ug/kg	0.0	N/A	N/A		<4	<140	<14	<14	<4	<4	-	<14	<14	<14	<4	<4	-	-	<4	<4	<4	<4	<14
1,2,4-Trichlorobenzene [#]	ug/kg	0.0	N/A	N/A		<7	<200	<20	<20	<7	<7	-	<20	<20	<20	<7	<7	-	-	<7	<7	<7	<7	<20
Hexachlorobutadiene	ug/kg	0.0	N/A	N/A		<4	<200	<20	<20	<4	<4	-	<20	<20	<20	<4	<4	-	-	<4	<4	<4	<4	<20
Naphthalene	ug/kg	238.0	TP363A	LANDFILL MATERIAL			<130	<13	<13	<27	<27	-	<13	<13	<13	<27	<27	-	-					<13
1,2,3-Trichlorobenzene [#]	ug/kg	0.0	N/A	N/A		<7	<200	<20	<20	<7	<7	-	<20	<20	<20	<7	<7	-	-	<7	<7	<7	<7	<20
Surrogate Recovery Toluene D8	%					94.00	94.50	94.50	94.20	94.00	96.00	-	94.40	98.00	97.30	95	100	-	-	89.00	89.00	74.00	88.00	101.00
Surrogate Recovery 4-Bromofluorobenzene	%					82.00	83.70	79.60	81.20	95.00	85.00	-	82.70	84.80	94.50	114	112	-	-	86.00	86.00	76.00	68.00	101.00
																		-	-					
Methyl Tertiary Butyl Ether [#M]	ug/kg	0.0	N/A	N/A		<6				<6	<6	<6	-	-	-	<6	<6	-	-	<6	<6	<6	<6	-
Benzene [#M]	ug/kg	16.0	TP359	LANDFILL MATERIAL		<5				<5	<5	<5	-	-	-	<5	<5	-	-	<5	<5	16.00	8.00	-
Toluene [#M]	ug/kg	24.0	TP359	LANDFILL MATERIAL		<3				<3	<3	<3	-	-	-	<3	<3	-	-	<3	<3	24.00	16.00	-
Ethylbenzene [#M]	ug/kg	19.0	TP363	LANDFILL MATERIAL		<3				<3	<3	<3	-	-	-	<3	<3	-	-	<3	<3	10.00	<3	-
p/m-Xylene [#M]	ug/kg	95.0	TP359	LANDFILL MATERIAL		<4				<4	<4	<4	-	-	-	<4	<4	-	-	<4	5.00	95.00	16.00	-
o-Xylene [#M]	ug/kg	35.0	TP359	LANDFILL MATERIAL		<4				<4	<4	<4	-	-	-	<4	<4	-	-	<4	<4	35.00	5.00	-

					Sample ID	TP375	TP375A	TP375A	TP375A	TP377	TP377	TP377	TP377A	TP377A	TP377A	BH328	BH345	TP346R	TP346R	TP356	TP356	TP359	TP359	TP359A
					Depth	1.25	0.40-0.40	1.10-1.10	1.25-1.25	0.30	0.60	1.20	0.30-0.30	0.60-0.60	1.20-1.20	2.90	2.90	1.00	2.50	0.50	1.20	0.70	1.70	0.50-0.50
					Scheme Area	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
					Relevant design feature	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill
					Material	LANDFILL LINER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER	MADE GROUND - OTHER	MADE GROUND - OTHER	MADE GROUND - OTHER				RIVER TERRACE DEPOSITS	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	OXFORD CLAY	LANDFILL MATERIAL	LANDFILL LINER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL
					Sampled Date	19/04/2017	07/11/2017	07/11/2017	07/11/2017	25/05/2017	25/05/2017	25/05/2017	07/11/2017	07/11/2017	07/11/2017	09/05/2017	08/05/2017	11/04/2017	11/04/2017	20/04/2017	20/04/2017	20/04/2017	20/04/2017	07/11/2017
Surrogate Recovery Toluene D8	%					94.00				94.00	96.00	93.00	-	-	-	95	100	-	-	90.00	92.00	74.00	88.00	-
Surrogate Recovery 4-Bromofluorobenzene	%					82.00				95.00	85.00	99.00	-	-	-	114	112	-	-	88.00	89.00	76.00	68.00	-
SVOC MS																								
Phenols																								
2-Chlorophenol #M	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
2-Methylphenol	ug/kg	37,500.0	TP363A	LANDFILL MATERIAL		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
2-Nitrophenol	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
2,4-Dichlorophenol #M	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
2,4-Dimethylphenol	ug/kg	200.0	TP375	LANDFILL MATERIAL		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
2,4,5-Trichlorophenol	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
2,4,6-Trichlorophenol	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
4-Chloro-3-methylphenol	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
4-Methylphenol	ug/kg	15,200.0	TP363A	LANDFILL MATERIAL		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	561.00	<100
4-Nitrophenol	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
Pentachlorophenol	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
Phenol #M	ug/kg	71,300.0	TP363A	LANDFILL MATERIAL		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
PAHs																								
2-Chloro'-phthalene #M	ug/kg	43.0	TP363	LANDFILL MATERIAL		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
2-Methyl'-phthalene #M	ug/kg	1,763.0	TP363	LANDFILL MATERIAL		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	33.00	34.00	<100
-phthalene	ug/kg	1,400.0	TP363A	LANDFILL MATERIAL		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	147.00	43.00	45.00	<100
Ace'-phthylene	ug/kg	1,682.0	TP375	LANDFILL MATERIAL		<10	<100	<100	<100	<10	32.00	<10	<100	136.00	<100	<10	<10	-	-	107.00	166.00	334.00	282.00	<100
Ace'-phthene	ug/kg	7,757.0	TP363	LANDFILL MATERIAL		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	1,090.00	76.00	28.00	<100
Fluorene	ug/kg	7,803.0	TP363	LANDFILL MATERIAL		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	715.00	73.00	51.00	<100
Phe'-nthrene #M	ug/kg	41,418.0	TP363	LANDFILL MATERIAL		25.00	<100	<100	<100	29.00	414.00	<10	<100	460.00	<100	<10	<10	-	-	421.00	6,851.00	253.00	276.00	<100
Anthracene	ug/kg	22,190.0	TP375	LANDFILL MATERIAL		31.00	<100	<100	<100	<10	100.00	<10	<100	200.00	<100	<10	<10	-	-	220.00	2,572.00	137.00	231.00	<100
Fluoranthene #M	ug/kg	61,252.0	TP363	LANDFILL MATERIAL		87.00	<100	<100	<100	172.00	1,207.00	30.00	<100	1,490.00	<100	<10	<10	-	-	1,754.00	10,804.00	320.00	521.00	<100
Pyrene #M	ug/kg	67,710.0	TP363	LANDFILL MATERIAL		80.00	<100	<100	<100	166.00	1,077.00	22.00	<100	1,570.00	<100	<10	<10	-	-	1,523.00	8,572.00	322.00	474.00	<100
Benzo(a)anthracene	ug/kg	36,676.0	TP375	LANDFILL MATERIAL		218.00	<100	<100	<100	97.00	485.00	<10	<100	784.00	<100	<10	<10	-	-	901.00	4,035.00	310.00	345.00	<100
Chrysene	ug/kg	39,214.0	TP363	LANDFILL MATERIAL		198.00	<100	<100	<100	128.00	606.00	<10	<100	686.00	<100	<10	<10	-	-	1,139.00	4,266.00	343.00	361.00	<100
Benzo(bk)fluoranthene	ug/kg	62,614.0	TP375	LANDFILL MATERIAL		227.00	-	-	-	341.00	1,612.00	<10	-	-	-	<10	<10	-	-	2,223.00	7,752.00	763.00	792.00	
Benzo(a)pyrene	ug/kg	33,730.0	TP363	LANDFILL MATERIAL		94.00	<100	<100	<100	89.00	492.00	<10	<100	748.00	<100	<10	<10	-	-	1,180.00	4,460.00	291.00	302.00	<100
Indeno(123cd)pyrene	ug/kg	20,257.0	TP375	LANDFILL MATERIAL		<10	<100	<100	<100	<10	132.00	<10	<100	520.00	<100	<10	<10	-	-	916.00	3,289.00	164.00	185.00	<100
Dibenzo(ah)anthracene	ug/kg	9,257.0	TP375	LANDFILL MATERIAL		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	277.00	1,024.00	74.00	74.00	<100
Benzo(ghi)perylene	ug/kg	21,352.0	TP363	LANDFILL MATERIAL		42.00	<100	<100	<100	<10	181.00	<10	<100	512.00	<100	<10	<10	-	-	1,173.00	3,893.00	270.00	284.00	<100
Benzo(b)fluoranthene	ug/kg	45,082.0	TP375	LANDFILL MATERIAL		163.00	<100	<100	<100	246.00	1,161.00	<10	<100	581.00	<100	<10	<10	-	-	1,601.00	5,581.00	549.00	570.00	<100
Benzo(k)fluoranthene	ug/kg	17,532.0	TP375	LANDFILL MATERIAL		64.00	<100	<100	<100	95.00	451.00	<10	<100	523.00	<100	<10	<10	-	-	622.00	2,171.00	214.00	222.00	<100
Phthalates																								
Bis(2-ethylhexyl) phthalate	ug/kg	207,000.0	TP373A	0		<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	-	-	448.00	<100	<100	400.00	<100
Butylbenzyl phthalate	ug/kg	464.0	TP375A	LANDFILL MATERIAL		<100	464.00	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	-	-	<100	<100	<100	<100	<100
Di-n-butyl phthalate	ug/kg	4,830.0	TP360A	LANDFILL MATERIAL		<100	<100	<100	191.00	<100	<100	<100	<100	<100	<100	<100	<100	-	-	555.00	<100	<100	440.00	<100
Di-n-Octyl phthalate	ug/kg	336.0	TP375A	LANDFILL MATERIAL		<100	<100	336.00	<100	<100	<100	<100	<100	<100	<100	<100	<100	-	-	<100	<100	<100	<100	<100
Diethyl phthalate	ug/kg	1,260.0	TP360A	LANDFILL MATERIAL		<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	-	-	<100	<100	<100	<100	<100
Dimethyl phthalate #M	ug/kg	0.0	N/A	N/A		<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	-	-	<100	<100	<100	<100	<100
Other SVOCs																								
1,2-Dichlorobenzene	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
1,2,4-Trichlorobenzene #M	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
1,3-Dichlorobenzene	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
1,4-Dichlorobenzene	ug/kg	2,427.0	TP363	LANDFILL MATERIAL		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
2-Nitroaniline	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
2,4-Dinitrotoluene	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
2,6-Dinitrotoluene	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
3-Nitroaniline	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100

					Sample ID	TP375	TP375A	TP375A	TP375A	TP377	TP377	TP377	TP377A	TP377A	TP377A	BH328	BH345	TP346R	TP346R	TP356	TP356	TP359	TP359	TP359A
					Depth	1.25	0.40-0.40	1.10-1.10	1.25-1.25	0.30	0.60	1.20	0.30-0.30	0.60-0.60	1.20-1.20	2.90	2.90	1.00	2.50	0.50	1.20	0.70	1.70	0.50-0.50
					Scheme Area	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
					Relevant design feature	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill
					Material	LANDFILL LINER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER	MADE GROUND - OTHER	MADE GROUND - OTHER	MADE GROUND - OTHER				RIVER TERRACE DEPOSITS	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	OXFORD CLAY	LANDFILL MATERIAL	LANDFILL LINER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL
					Sampled Date	19/04/2017	07/11/2017	07/11/2017	07/11/2017	25/05/2017	25/05/2017	25/05/2017	07/11/2017	07/11/2017	07/11/2017	09/05/2017	08/05/2017	11/04/2017	11/04/2017	20/04/2017	20/04/2017	20/04/2017	20/04/2017	07/11/2017
4-Bromophenylphenylether #M	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
4-Chloroaniline	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
4-Chlorophenylphenylether	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
4-Nitroaniline	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
Azobenzene	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
Bis(2-chloroethoxy)methane	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
Bis(2-chloroethyl)ether	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
Carbazole	ug/kg	7,430.0	TP375	LANDFILL MATERIAL		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	66.00	74.00	<100
Dibenzofuran #M	ug/kg	3,091.0	TP363	LANDFILL MATERIAL		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	246.00	33.00	22.00	<100
Hexachlorobenzene	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
Hexachlorobutadiene #M	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
Hexachlorocyclopentadiene	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
Hexachloroethane	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
Isophorone #M	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
N-nitrosodi-n-propylamine #M	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
Nitrobenzene #M	ug/kg	0.0	N/A	N/A		<10	<100	<100	<100	<10	<10	<10	<100	<100	<100	<10	<10	-	-	<10	<10	<10	<10	<100
PCBS																								
PCB 28 #	ug/kg	2,970.0	TP359A	LANDFILL MATERIAL		<5	<3	5.89	4.13	<5	<5	<5	<3	<3	3.88	<5	<5	-	-	104.00	<5	827.00	24.00	<3
PCB 52 #	ug/kg	784.0	TP374A	LANDFILL MATERIAL		<5	<3	7.88	6.26	<5	<5	<5	<3	<3	81.70	<5	<5	-	-	46.00	<5	332.00	11.00	<3
PCB 101 #	ug/kg	673.0	TP359	LANDFILL MATERIAL		<5	<3	5.72	4.08	<5	<5	<5	<3	<3	37.40	<5	<5	-	-	15.00	<5	673.00	11.00	<3
PCB 118 #	ug/kg	646.0	TP359	LANDFILL MATERIAL		<5	<3	<3	<3	<5	<5	<5	3.25	<3	13.80	<5	<5	-	-	17.00	<5	646.00	7.00	<3
PCB 138 #	ug/kg	628.0	TP359	LANDFILL MATERIAL		<5	<3	3.71	<3	<5	<5	<5	4.47	<3	8.45	<5	<5	-	-	17.00	<5	628.00	17.00	<3
PCB 153 #	ug/kg	402.0	TP359	LANDFILL MATERIAL		<5	<3	5.66	5.34	<5	<5	<5	3.25	<3	8.88	<5	<5	-	-	15.00	<5	402.00	17.00	<3
PCB 180 #	ug/kg	83.0	TP359	LANDFILL MATERIAL		<5	<3	5.06	5.17	<5	<5	<5	<3	<3	<3	<5	<5	-	-	15.00	<5	83.00	13.00	<3
Total 7 PCBs #	ug/kg	4,030.0	TP359A	LANDFILL MATERIAL		<35	<21	33.90	25.00	<35	<35	<35	<21	<21	154.00	<35	<35	-	-	229.00	<35	3,591.00	100.00	<21
PCB congener 81	µg/kg	0.0	N/A	N/A		-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	-	-	-	-	-	<3
PCB congener 77	µg/kg	83.8	TP359A	LANDFILL MATERIAL		-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	-	-	-	-	-	<3
PCB congener 123	µg/kg	0.0	N/A	N/A		-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	-	-	-	-	-	<3
PCB congener 114	µg/kg	0.0	N/A	N/A		-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	-	-	-	-	-	<3
PCB congener 105	µg/kg	74.1	TP359A	LANDFILL MATERIAL		-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	-	-	-	-	-	<3
PCB congener 126	µg/kg	0.0	N/A	N/A		-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	-	-	-	-	-	<3
PCB congener 167	µg/kg	8.0	TP374A	LANDFILL MATERIAL		-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	-	-	-	-	-	<3
PCB congener 156	µg/kg	7.2	TP374A	LANDFILL MATERIAL		-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	-	-	-	-	-	<3
PCB congener 157	µg/kg	0.0	N/A	N/A		-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	-	-	-	-	-	<3
PCB congener 169	µg/kg	0.0	N/A	N/A		-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	-	-	-	-	-	<3
PCB congener 189	µg/kg	0.0	N/A	N/A		-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	-	-	-	-	-	<3
Sum of detected WHO 12 PCBs	µg/kg	294.0	TP359A	LANDFILL MATERIAL		-	<36	<36	<36	-	-	-	<36	<36	<36	-	-	-	-	-	-	-	-	<36
Combined Pesticides																								
Tec'-zene	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
Hexachlorobenzene	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
Trifluralin	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
Phorate	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
alpha-Hexachlorocyclohexane (I	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
Quintozene (PCNB)	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
Triallate	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
gamma-Hexachlorocyclohexane	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
Disulfoton	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
Heptachlor	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
Aldrin	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
Chlorothalonil	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50

					Sample ID	TP375	TP375A	TP375A	TP375A	TP377	TP377	TP377	TP377A	TP377A	TP377A	BH328	BH345	TP346R	TP346R	TP356	TP356	TP359	TP359	TP359A
					Depth	1.25	0.40-0.40	1.10-1.10	1.25-1.25	0.30	0.60	1.20	0.30-0.30	0.60-0.60	1.20-1.20	2.90	2.90	1.00	2.50	0.50	1.20	0.70	1.70	0.50-0.50
					Scheme Area	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
					Relevant design feature	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill	Kenn. W Landfill
					Material	LANDFILL LINER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL LINER	MADE GROUND - OTHER	MADE GROUND - OTHER	MADE GROUND - OTHER				RIVER TERRACE DEPOSITS	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	OXFORD CLAY	LANDFILL MATERIAL	LANDFILL LINER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL
					Sampled Date	19/04/2017	07/11/2017	07/11/2017	07/11/2017	25/05/2017	25/05/2017	25/05/2017	07/11/2017	07/11/2017	07/11/2017	09/05/2017	08/05/2017	11/04/2017	11/04/2017	20/04/2017	20/04/2017	20/04/2017	20/04/2017	07/11/2017
Telodrin	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
beta-Hexachlorocyclohexane (H	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
Isodrin	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
Heptachlor epoxide	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
Triadimefon	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
Pendimethalin	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
o,p-DDE	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
Endosulphan I	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
Trans-chlordane	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
cis-Chlordane	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
p,p-DDE	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
Dieldrin	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
o,p'-DDD (TDE)	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
Endrin	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
o,p-DDT	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
p,p-TDE (DDD)	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
Endosulphan II	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
p,p-DDT	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
o,p-Methoxychlor	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
p,p-Methoxychlor	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
Endosulphan sulphate	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
Permethrin I	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50
Permethrin II	µg/kg	0.0	N/A	N/A		-	<50	<50	<50	-	-	-	<50	<50	<50	-	-	-	-	-	-	-	-	<50

					Sample ID	TP359A	BH304	BH304	BH305	BH306 OBS	BH306 PMP	BH306FF	BH307	BH308	BH308	BH321	BH321	BH360	BH360	TMPBH04	TP314	TP314	TP314	TP321
					Depth	1.50-1.50	0.15	0.15	0.50	0.50	0.20	0.20	0.10-0.20	0.35	0.50	0.30	2.00	0.30	0.80	0.30-1.20	0.20	1.20	2.00	0.40
					Scheme Area	4D	2A	2A	2B	2B	2B	2B	2B	2B	2B	4B	4B	4B	4B	3B	2B	2B	2B	2B
					Relevant design feature	Kenn. W Landfill	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
					Material	LANDFILL MATERIAL	MADE GROUND - OTHER	MADE GROUND - OTHER	ALLUVIUM	ALLUVIUM	ALLUVIUM	ALLUVIUM	TOPSOIL	ALLUVIUM	ALLUVIUM	ALLUVIUM	RIVER TERRACE DEPOSITS	ALLUVIUM	ALLUVIUM	ALLUVIUM	MADE GROUND - OTHER	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	ALLUVIUM
					Sampled Date	07/11/2017	12/04/2017	28/04/2017	21/04/2017	21/04/2017	05/04/2017	03/04/2017	03/04/2017	10/04/2017	10/04/2017	24/04/2017	24/04/2017	19/04/2017	19/04/2017	06/04/2017	28/04/2017	28/04/2017	28/04/2017	25/04/2017
Test	**Units**	**Max**	**Location of max**	**Strata**	**Criteria**																			
Fraction Organic Carbon	None	0.2	TP373A	0		0.18	0.135	0.046	0.013	0.017	0.044	0.068	0.046	0.02	0.017	0.007	<0.001	0.028	0.004	0.011	NDP	0.013	0.041	0.019
Moisture Content 105C (% Dry Weight)	%	192.3	TP379	LANDFILL MATERIAL			36.5	34.5	38.5	52.6	45.5	-	67.1	58.4	38.8	17.8	14.1	43.1	35.7	-	13.1	60	55.4	20.6
Dry Matter Content Ratio 105°C	%	92.7	TP302	ALLUVIUM			73.3	74.3	72.2	65.5	68.8	-	59.9	63.1	72	84.9	87.6	69.9	73.7	-	88.4	62.5	64.4	82.9
Sulphate as SO4 (2:1 Ext) #M	g/l	1.4	BH337A	0		0.28	0.0178	0.0016	0.0036	0.0139	0.002	0.006	0.0019	0.0215	0.0125	0.0073	0.0178	<0.0015	0.0097	0.2492	0.002	0.0106	0.4884	0.1407
Metals																								
Arsenic #M	mg/kg	193.3	BH365FH	RIVER TERRACE DEPOSITS	170	11.00	33.8	12.3	15.1	27.5	31.1	19	20.5	22.9	55.2	21.2	30.4	19.7	16.5	20.5	31.7	21.6	13	24.4
Cadmium #M	mg/kg	16.7	TP374A	LANDFILL MATERIAL	532	1.46	0.2	1.2	<0.1	<0.1	0.5	0.7	0.6	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	0.5	0.1	<0.1
Chromium #M	mg/kg	416.0	TP373A	0	33000	57.00	29.4	34.5	88.4	84.2	61.1	55.7	62	49.8	64.2	70.1	57.9	65.3	65.4	42.8	24.6	55.1	45	77.8
Hexavalent Chromium #	mg/kg	2.7	TP360A	LANDFILL LINER	220	<0.6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Copper #M	mg/kg	22,600.0	TP360A	LANDFILL LINER	44000	68.00	71	21	6	1	12	22	23	7	5	13	6	19	10	<1	14	12	2	15
Lead #M	mg/kg	2,000.0	TP373A	0	630	162.00	697	71	18	21	57	56	54	30	26	19	13	56	13	8	139	20	<5	28
Mercury #M	mg/kg	4.1	TP373A	0	30	1.64	0.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel #M	mg/kg	95.9	TP362A	LANDFILL MATERIAL	3400	25.20	33.4	20.7	35.4	43.3	40.3	27.2	33.8	29.7	35.3	31.8	24.4	34.3	26.8	22.3	29.3	39.1	7.8	38.7
Water Soluble Boron #M	mg/kg	71.5	TP362A	LANDFILL MATERIAL	46000	12.50	4.2	3.3	1.6	2.9	7.2	5.3	3.5	2.9	2.3	0.8	0.3	4.2	1.5	0.7	0.4	2.7	1.5	3.2
Zinc #M	mg/kg	6,250.0	TP373A	0		417.00	205	153	130	131	163	129	136	86	123	66	50	118	95	52	79	124	19	133
PAH MS																								
Acenaphthene #M	mg/kg	0.9	BH302	MADE GROUND - OTHER	29000	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.09	<0.05	<0.05	<0.05
Acenaphthylene	mg/kg	8.4	BH302	MADE GROUND - OTHER	29000	-	0.15	0.17	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.21	<0.03	<0.03	<0.03
Anthracene #	mg/kg	13.4	BH302	MADE GROUND - OTHER	150000	-	0.19	0.2	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.53	<0.04	<0.04	<0.04
Benzo(a)anthracene #	mg/kg	19.5	BH302	MADE GROUND - OTHER	49	-	0.78	0.93	<0.06	<0.06	0.09	0.1	<0.06	<0.06	<0.06	<0.06	<0.06	0.13	<0.06	<0.06	4.24	<0.06	<0.06	<0.06
Benzo(a)pyrene #	mg/kg	16.3	BH302	MADE GROUND - OTHER	11	-	0.82	1.3	<0.04	<0.04	0.08	0.08	<0.04	<0.04	<0.04	<0.04	<0.04	0.08	<0.04	<0.04	4.82	<0.04	<0.04	<0.04
Benzo(b)fluoranthene	mg/kg	19.0	BH302	MADE GROUND - OTHER	13	-	0.94	1.48	<0.05	<0.05	0.1	0.12	0.09	<0.05	<0.05	<0.05	<0.05	0.12	<0.05	<0.05	6.26	<0.05	<0.05	<0.05
Benzo(ghi)perylene #	mg/kg	9.4	BH302	MADE GROUND - OTHER	1400	-	0.39	0.64	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.07	<0.04	<0.04	2.41	<0.04	<0.04	<0.04
Benzo(k)fluoranthene	mg/kg	7.4	BH302	MADE GROUND - OTHER	370	-	0.36	0.58	<0.02	<0.02	0.04	0.05	0.03	<0.02	<0.02	<0.02	<0.02	0.05	<0.02	<0.02	2.44	<0.02	<0.02	<0.02
Chrysene #M	mg/kg	19.4	BH302	MADE GROUND - OTHER	93	-	0.79	1.2	<0.02	<0.02	0.06	0.12	0.08	<0.02	<0.02	<0.02	<0.02	0.14	<0.02	<0.02	4.87	<0.02	<0.02	<0.02
Dibenzo(ah)anthracene #	mg/kg	2.7	BH302	MADE GROUND - OTHER	1.1	-	0.09	0.12	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.89	<0.04	<0.04	<0.04
Fluoranthene #M	mg/kg	49.8	BH302	MADE GROUND - OTHER	6300	-	1.32	2.37	<0.03	<0.03	0.09	0.13	0.1	<0.03	<0.03	<0.03	<0.03	0.17	<0.03	<0.03	5.89	<0.03	<0.03	<0.03
Fluorene #M	mg/kg	2.4	BH302	MADE GROUND - OTHER	20000	-	<0.04	0.06	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.07	<0.04	<0.04	<0.04
Indeno(123cd)pyrene #M	mg/kg	10.2	BH302	MADE GROUND - OTHER	150	-	0.48	0.74	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.08	<0.04	<0.04	3.02	<0.04	<0.04	<0.04
Naphthalene #M	mg/kg	4.4	BH302	MADE GROUND - OTHER	1200	-	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Phenanthrene #M	mg/kg	52.0	BH302	MADE GROUND - OTHER	6200	-	0.64	1.35	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.06	<0.03	<0.03	1.07	<0.03	<0.03	<0.03
Pyrene #	mg/kg	37.6	BH302	MADE GROUND - OTHER	150000	-	1.1	1.98	<0.03	<0.03	0.09	0.12	0.1	<0.03	<0.03	<0.03	<0.03	0.16	<0.03	<0.03	4.72	<0.03	<0.03	<0.03
PAH 16 Total	mg/kg	272.7	BH302	MADE GROUND - OTHER		-	8.1	13.1	<0.6	<0.6	<0.6	0.7	<0.6	<0.6	<0.6	<0.6	<0.6	1.1	<0.6	<0.6	41.5	<0.6	<0.6	<0.6
PAH Surrogate % Recovery	%					-	105	115	103	103	82	100	98	104	102	91	83	108	105	84	115	78	116	81
Benzo(bk)fluoranthene #M	mg/kg	108.0	CPT301-IP	0		-	1.3	2.06	<0.07	<0.07	0.14	0.17	0.12	<0.07	<0.07	<0.07	<0.07	0.17	<0.07	<0.07	8.7	<0.07	<0.07	<0.07
Acenaphthene	µg/kg	11,400.0	TP363A	LANDFILL MATERIAL	29,000,000	315.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/kg	2,230.0	TP363A	LANDFILL MATERIAL	29,000,000	149.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/kg	24,100.0	TP363A	LANDFILL MATERIAL	150,000,000	1,320.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benz(a)anthracene	µg/kg	59,700.0	TP363A	LANDFILL MATERIAL	49,000	2,190.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/kg	67,000.0	TP363A	LANDFILL MATERIAL	11,000	1,240.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/kg	88,900.0	TP363A	LANDFILL MATERIAL	13,000	2,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/kg	34,800.0	TP363A	LANDFILL MATERIAL	1,400,000	1,080.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/kg	29,000.0	TP363A	LANDFILL MATERIAL	370,000	561.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/kg	52,300.0	TP363A	LANDFILL MATERIAL	93,000	1,910.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/kg	11,100.0	TP363A	LANDFILL MATERIAL	1,100	227.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/kg	128,000.0	TP363A	LANDFILL MATERIAL	6,300,000	5,440.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/kg	12,800.0	TP363A	LANDFILL MATERIAL	20,000,000	894.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/kg	34,000.0	TP363A	LANDFILL MATERIAL	150,000	611.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/kg	3,880.0	TP363A	LANDFILL MATERIAL	1,200,000	767.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

					Sample ID	TP359A	BH304	BH304	BH305	BH306 OBS	BH306 PMP	BH306FF	BH307	BH308	BH308	BH321	BH321	BH360	BH360	TMPBH04	TP314	TP314	TP314	TP321
					Depth	1.50-1.50	0.15	0.15	0.50	0.50	0.20	0.20	0.10-0.20	0.35	0.50	0.30	2.00	0.30	0.80	0.30-1.20	0.20	1.20	2.00	0.40
					Scheme Area	4D	2A	2A	2B	2B	2B	2B	2B	2B	2B	4B	4B	4B	4B	3B	2B	2B	2B	2B
					Relevant design feature	Kenn. W Landfill	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
					Material	LANDFILL MATERIAL	MADE GROUND - OTHER	MADE GROUND - OTHER	ALLUVIUM	ALLUVIUM	ALLUVIUM	ALLUVIUM	TOPSOIL	ALLUVIUM	ALLUVIUM	ALLUVIUM	RIVER TERRACE DEPOSITS	ALLUVIUM	ALLUVIUM	ALLUVIUM	MADE GROUND - OTHER	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	ALLUVIUM
					Sampled Date	07/11/2017	12/04/2017	28/04/2017	21/04/2017	21/04/2017	05/04/2017	03/04/2017	03/04/2017	10/04/2017	10/04/2017	24/04/2017	24/04/2017	19/04/2017	19/04/2017	06/04/2017	28/04/2017	28/04/2017	28/04/2017	25/04/2017
Phenanthrene	µg/kg	71,500.0	TP363A	LANDFILL MATERIAL	6,200,000	3,260.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/kg	84,300.0	TP363A	LANDFILL MATERIAL	150,000,000	3,200.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAH, Total Detected USEPA 16	µg/kg	712,000.0	TP363A	LANDFILL MATERIAL		25,200.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TPH CWG																								
Aliphatics																								
>C5-C6 #M	mg/kg	0.0	N/A	N/A	95,000.00	-	<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	<0.1
>C6-C8 #M	mg/kg	0.2	TP359	LANDFILL MATERIAL	150,000.00	-	<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	<0.1
>C8-C10	mg/kg	28.3	TP373	LANDFILL MATERIAL	14,000.00	-	<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	<0.1
>C10-C12 #M	mg/kg	126.7	TP373	LANDFILL MATERIAL	21,000.00	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
>C12-C16 #M	mg/kg	84.0	TP378	MADE GROUND - OTHER	25,000.00	-	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
>C16-C21 #M	mg/kg	429.0	TP378	MADE GROUND - OTHER	450,000.00	-	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7
>C21-C35 #M	mg/kg	8,339.0	TP373	LANDFILL MATERIAL	45,000.00	-	<7	<7	<7	<7	<7	30	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7
Aliphatics >C5-C6	µg/kg	64.0	TP374A	LANDFILL MATERIAL	95,000,000.00	14.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatics >C6-C8	µg/kg	568.0	TP363A	LANDFILL MATERIAL	150,000,000.00	32.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatics >C8-C10	µg/kg	1,010.0	TP374A	LANDFILL MATERIAL	14,000,000.00	887.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatics >C10-C12	µg/kg	1,210.0	TP359A	LANDFILL MATERIAL	21,000,000.00	1,210.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatics >C12-C16	µg/kg	189,000.0	TP373A	0	25,000,000.00	39,400.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatics >C16-C21	µg/kg	154,000.0	TP359A	LANDFILL MATERIAL	450,000,000.00	154,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatics >C21-C35	µg/kg	9,190,000.0	TP373A	0	45,000,000.00	1,710,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatics >C35-C44	µg/kg	1,370,000.0	TP373A	0	95,000,000,000.00	678,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Aliphatics >C12-C44	µg/kg	10,800,000.0	TP373A	0	95,000,000,000.00	2,580,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatics																								
>C5-EC7 #	mg/kg	0.0	N/A	N/A	76000		<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	<0.1
>EC7-EC8 #	mg/kg	0.0	N/A	N/A	87000		<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	<0.1
>EC8-EC10 #M	mg/kg	0.0	N/A	N/A	7200		<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	<0.1
>EC10-EC12 #	mg/kg	16.0	TP373	LANDFILL MATERIAL	9200		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
>EC12-EC16 #	mg/kg	125.0	TP363	LANDFILL MATERIAL	10000		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
>EC16-EC21 #	mg/kg	802.0	TP363	LANDFILL MATERIAL	7600		<7	22	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7
>EC21-EC35 #	mg/kg	3,721.0	TP373	LANDFILL MATERIAL	7800		9	117	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	82	<7
Aromatics >EC5-EC7	µg/kg	16.3	TP359A	LANDFILL MATERIAL	76,000,000	16.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatics >EC7-EC8	µg/kg	273.0	TP363A	LANDFILL MATERIAL	87,000,000	17.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatics >EC8-EC10	µg/kg	737.0	TP359A	LANDFILL MATERIAL	7,200,000	737.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatics >EC10-EC12	µg/kg	806.0	TP359A	LANDFILL MATERIAL	9,200,000	806.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatics >EC12-EC16	µg/kg	54,000.0	TP363A	LANDFILL MATERIAL	10,000,000	15,500.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatics >EC16-EC21	µg/kg	265,000.0	TP363A	LANDFILL MATERIAL	7,600,000	239,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatics >EC21-EC35	µg/kg	1,390,000.0	TP363A	LANDFILL MATERIAL	7,800,000	892,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatics >EC35-EC44	µg/kg	816,000.0	TP363A	LANDFILL MATERIAL	7,800,000	220,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatics >EC40-EC44	µg/kg	346,000.0	TP363A	LANDFILL MATERIAL	7,800,000	75,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Aromatics >EC12-EC44	µg/kg	2,530,000.0	TP363A	LANDFILL MATERIAL	7,800,000	1,370,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TPH CWG																								
Aliphatics																								
Total aliphatics C5-35	mg/kg	8,811.0	TP373	LANDFILL MATERIAL		-	<19	<19	<19	<19	<19	30	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19
Total Aliphatics >C12-C44	µg/kg	10,800,000.0	TP373A	0		2,580,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatics																								
Total aromatics C5-35 #	mg/kg	4,065.0	TP373	LANDFILL MATERIAL			<19	139	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	82	<19
Total Aromatics >EC12-EC44	µg/kg	2,530,000.0	TP363A	LANDFILL MATERIAL		1,370,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total aliphatics and aromatics(C5-35)	mg/kg	12,876.0	TP373	LANDFILL MATERIAL			<38	139	<38	<38	<38	<38	<38	<38	<38	<38	<38	<38	<38	<38	<38	<38	82	<38
Total Aliphatics & Aromatics >C5-C44	µg/kg	11,700,000.0	TP373A	0		6,630,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

					Sample ID	TP359A	BH304	BH304	BH305	BH306 OBS	BH306 PMP	BH306FF	BH307	BH308	BH308	BH321	BH321	BH360	BH360	TMPBH04	TP314	TP314	TP314	TP321
					Depth	1.50-1.50	0.15	0.15	0.50	0.50	0.20	0.20	0.10-0.20	0.35	0.50	0.30	2.00	0.30	0.80	0.30-1.20	0.20	1.20	2.00	0.40
					Scheme Area	4D	2A	2A	2B	2B	2B	2B	2B	2B	2B	4B	4B	4B	4B	3B	2B	2B	2B	2B
					Relevant design feature	Kenn. W Landfill	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
					Material	LANDFILL MATERIAL	MADE GROUND - OTHER	MADE GROUND - OTHER	ALLUVIUM	ALLUVIUM	ALLUVIUM	ALLUVIUM	TOPSOIL	ALLUVIUM	ALLUVIUM	ALLUVIUM	RIVER TERRACE DEPOSITS	ALLUVIUM	ALLUVIUM	ALLUVIUM	MADE GROUND - OTHER	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	ALLUVIUM
					Sampled Date	07/11/2017	12/04/2017	28/04/2017	21/04/2017	21/04/2017	05/04/2017	03/04/2017	03/04/2017	10/04/2017	10/04/2017	24/04/2017	24/04/2017	19/04/2017	19/04/2017	06/04/2017	28/04/2017	28/04/2017	28/04/2017	25/04/2017
MTBE #	ug/kg	0.0	N/A	N/A		<5	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Benzene #	ug/kg	16.3	TP359A	LANDFILL MATERIAL	90	16.30	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene #	ug/kg	273.0	TP363A	LANDFILL MATERIAL	87000	17.80	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene #	ug/kg	35.5	TP363A	LANDFILL MATERIAL	17000	8.91	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
m/p-Xylene #	ug/kg	101.0	TP359A	LANDFILL MATERIAL	17000	101.00	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
o-Xylene #	ug/kg	35.6	TP359A	LANDFILL MATERIAL	17000	35.60	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Total Phenols HPLC	mg/kg	3.4	BH369	RIVER TERRACE DEPOSITS		0.07	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
-tural Moisture Content	%	112.9	TP373	LANDFILL MATERIAL			19.1	18	28.6	38.5	49.5	42.3	48.8	38.5	40.3	17.3	11.9	31.2	27.8	23.3	-	33.9	20.5	48.7
-tural Moisture Content	%	29.5	BH334	MADE GROUND - A423 EMBANKMENT			-	-	-	-	-	-	-	-	-	-	-				10.7	-	-	
pH #M	pH units	11.9	TP363A	LANDFILL MATERIAL		7.32	7.96	8	7.96	7.85	7.82	7.19	8.04	8.05	8.09	8.46	8.65	8.18	8.39	7.84	8.73	8.31	7.8	7.99
Sample Type	None	0.0	N/A	N/A		Loamy Sand	Clayey Loam	Loam	Clay	Clay	Clayey Loam	Clayey Loam	Clayey Loam	Clay	Clay	Clay	Sand	Loam	Clay	Clay	NDP	Clay	Clayey Sand	Clay
Sample Colour	None	0.0	N/A	N/A		Dark Brown	Dark Brown	Medium Brown	Medium Brown	Light Brown	Dark Brown	Medium Brown	Dark Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Dark Brown	Dark Brown	Medium Brown	NDP	Medium Grey	Medium Grey	Medium Brown
Other Items	None	0.0	N/A	N/A		Stones	stones, roots	stones, roots	none	none	stones, sand, vegetation	grass, roots	stones, roots	stones	stones	roots	stones	stones and roots	stones and roots	stones, sand	NDP	stones	stones	ROOTS
Moisture Content*	%	151.0	TP344	ORGANIC ALLUVIUM			NDP	NDP	42.7	61.5	52.5	72.9	65.6	59.8	46.2	20.3	NDP	39.1	36.2	32.8	10.6	71.8	NDP	68
Bulk Density*	mg/m3	2.1	BH369	MADE GROUND - A423 EMBANKMENT			NDP	NDP	1.7	1.51	1.55	1.43	1.51	1.37	1.77	1.94	NDP	1.43	1.73	1.91	2	1.57	NDP	1.53
Dry Density*	mg/m3	1.8	TP314	MADE GROUND - OTHER			NDP	NDP	1.19	0.93	1.02	0.83	0.91	0.86	1.21	1.61	NDP	1.03	1.27	1.44	1.81	0.91	NDP	0.91
Asbestos																								
General Description (Bulk A'-lysis)	None	0.0	N/A	N/A			soil-stones	soil/stones	soil/stones	soil/stones	soil/stones	soil-stones	soil-stones	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stone	soil-stones	soil-stones	Soil-Silt/Clay/Brick/Stone	soil/stones	soil/stones	soil/stones	soil/stones
Asbestos Fibres	None	0.0	N/A	N/A		NAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NAD	NAD	NAD	Fibre Bundles	NAD	NAD	NAD
Asbestos Fibres (2)	None	0.0	N/A	N/A		NAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NAD	NAD	NAD	NA	NAD	NAD	NAD
Asbestos ACM	None	0.0	N/A	N/A		NAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NAD	NAD	NAD	NAD	NAD	NAD	NAD
Asbestos ACM (2)	None	0.0	N/A	N/A		NAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NAD	NAD	NAD	NA	NAD	NAD	NAD
Asbestos Type #	None	0.0	N/A	N/A		NAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NAD	NAD	NAD	Crocidolite	NAD	NAD	NAD
Asbestos Type (2) #	None	0.0	N/A	N/A		NAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NAD	NAD	NAD	NA	NAD	NAD	NAD
Asbestos Level Screen	None	0.0	N/A	N/A		NAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NAD	NAD	NAD	<0.1%	NAD	NAD	NAD
Mass of Dry Sample	g	56.9	BH365FH	RIVER TERRACE DEPOSITS		-	-	50.5	-	-	-	-	-	-	-	-	-	39.8	42.7	-	48.8	34.9	33.6	-
Asbestos Gravimetric Quantification	mass %	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	-	-	-
Asbestos PCOM Quantification (Fibres)	mass %	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	-	-	-
Asbestos Gravimetric & PCOM Total	mass %	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	-	-	-
Available Phosphorus (Index)	mg/l					-	-	-	5.6	3	-	6.8	6	-	-	-	-	-	-	-	-	-	-	-
VOC MS																								
Dichlorodifluoromethane	ug/kg	0.0	N/A	N/A		<60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether #M	ug/kg	0.0	N/A	N/A		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane #	ug/kg	25.0	TP362	LANDFILL MATERIAL		<70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	ug/kg	11.4	TP374A	LANDFILL MATERIAL		<60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/kg	0.0	N/A	N/A		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane #M	ug/kg	0.0	N/A	N/A		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane #M	ug/kg	0.0	N/A	N/A		<60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene (1,1 DCE) #M	ug/kg	0.0	N/A	N/A		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloromethane (DCM) #	ug/kg	477.0	TP363A	LANDFILL MATERIAL		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1-2-Dichloroethene #	ug/kg	0.0	N/A	N/A		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane #M	ug/kg	0.0	N/A	N/A		<80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1-2-Dichloroethene #M	ug/kg	160.0	TP374A	LANDFILL MATERIAL		<60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	ug/kg	0.0	N/A	N/A		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromochloromethane #M	ug/kg	0.0	N/A	N/A		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform #M	ug/kg	0.0	N/A	N/A		<80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane #M	ug/kg	0.0	N/A	N/A		<70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

					Sample ID	TP359A	BH304	BH304	BH305	BH306 OBS	BH306 PMP	BH306FF	BH307	BH308	BH308	BH321	BH321	BH360	BH360	TMPBH04	TP314	TP314	TP314	TP321
					Depth	1.50-1.50	0.15	0.15	0.50	0.50	0.20	0.20	0.10-0.20	0.35	0.50	0.30	2.00	0.30	0.80	0.30-1.20	0.20	1.20	2.00	0.40
					Scheme Area	4D	2A	2A	2B	2B	2B	2B	2B	2B	2B	4B	4B	4B	4B	3B	2B	2B	2B	2B
					Relevant design feature	Kenn. W Landfill	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
					Material	LANDFILL MATERIAL	MADE GROUND - OTHER	MADE GROUND - OTHER	ALLUVIUM	ALLUVIUM	ALLUVIUM	ALLUVIUM	TOPSOIL	ALLUVIUM	ALLUVIUM	ALLUVIUM	RIVER TERRACE DEPOSITS	ALLUVIUM	ALLUVIUM	ALLUVIUM	MADE GROUND - OTHER	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	ALLUVIUM
					Sampled Date	07/11/2017	12/04/2017	28/04/2017	21/04/2017	21/04/2017	05/04/2017	03/04/2017	03/04/2017	10/04/2017	10/04/2017	24/04/2017	24/04/2017	19/04/2017	19/04/2017	06/04/2017	28/04/2017	28/04/2017	28/04/2017	25/04/2017
1,1-Dichloropropene [#]	ug/kg	0.0	N/A	N/A		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride [#M]	ug/kg	0.0	N/A	N/A		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane [#M]	ug/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene [#M]	ug/kg	16.0	TP359	LANDFILL MATERIAL		<90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE) [#M]	ug/kg	139.0	TP374A	LANDFILL MATERIAL		<90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane [#M]	ug/kg	0.0	N/A	N/A		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromomethane [#M]	ug/kg	0.0	N/A	N/A		<90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane [#M]	ug/kg	0.0	N/A	N/A		<70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1-3-Dichloropropene	ug/kg	0.0	N/A	N/A		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene [#M]	ug/kg	24.0	TP359	LANDFILL MATERIAL		<70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1-3-Dichloropropene	ug/kg	0.0	N/A	N/A		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane [#M]	ug/kg	0.0	N/A	N/A		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE) [#]	ug/kg	847.0	TP374A	LANDFILL MATERIAL		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropane [#M]	ug/kg	0.0	N/A	N/A		<70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane [#M]	ug/kg	0.0	N/A	N/A		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane [#]	ug/kg	0.0	N/A	N/A		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene [#M]	ug/kg	79.0	TP373	LANDFILL MATERIAL		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1,2-Tetrachloroethane [#M]	ug/kg	0.0	N/A	N/A		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene [#M]	ug/kg	19.0	TP363	LANDFILL MATERIAL		<40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p/m-Xylene [#M]	ug/kg	95.0	TP359	LANDFILL MATERIAL		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene [#M]	ug/kg	35.0	TP359	LANDFILL MATERIAL		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/kg	28.0	TP359	LANDFILL MATERIAL		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	ug/kg	0.0	N/A	N/A		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene [#]	ug/kg	62.0	TP373	LANDFILL MATERIAL		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane [#M]	ug/kg	0.0	N/A	N/A		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromobenzene	ug/kg	0.0	N/A	N/A		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane [#M]	ug/kg	0.0	N/A	N/A		<160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propylbenzene [#]	ug/kg	27.0	TP363	LANDFILL MATERIAL		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	ug/kg	0.0	N/A	N/A		<90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene [#]	ug/kg	85.0	TP359	LANDFILL MATERIAL		<80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	ug/kg	0.0	N/A	N/A		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene [#]	ug/kg	0.0	N/A	N/A		<140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene [#]	ug/kg	314.0	TP363	LANDFILL MATERIAL		164.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene [#]	ug/kg	368.0	TP373	LANDFILL MATERIAL		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Isopropyltoluene [#]	ug/kg	2,879.0	TP362	LANDFILL MATERIAL		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene [#M]	ug/kg	0.0	N/A	N/A		<80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene [#]	ug/kg	460.0	TP373	LANDFILL MATERIAL		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene [#]	ug/kg	25.0	TP363	LANDFILL MATERIAL		<110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene [#M]	ug/kg	6.0	TP363	LANDFILL MATERIAL		<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane [#]	ug/kg	0.0	N/A	N/A		<140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene [#]	ug/kg	0.0	N/A	N/A		<200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/kg	0.0	N/A	N/A		<200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	238.0	TP363A	LANDFILL MATERIAL		<130																		
1,2,3-Trichlorobenzene [#]	ug/kg	0.0	N/A	N/A		<200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Surrogate Recovery Toluene D8	%					91.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Surrogate Recovery 4-Bromofluorobenzene	%					79.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene [#M]	ug/kg	16.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene [#M]	ug/kg	24.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene [#M]	ug/kg	19.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p/m-Xylene [#M]	ug/kg	95.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene [#M]	ug/kg	35.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

					Sample ID	TP359A	BH304	BH304	BH305	BH306 OBS	BH306 PMP	BH306FF	BH307	BH308	BH308	BH321	BH321	BH360	BH360	TMPBH04	TP314	TP314	TP314	TP321
					Depth	1.50-1.50	0.15	0.15	0.50	0.50	0.20	0.20	0.10-0.20	0.35	0.50	0.30	2.00	0.30	0.80	0.30-1.20	0.20	1.20	2.00	0.40
					Scheme Area	4D	2A	2A	2B	2B	2B	2B	2B	2B	2B	4B	4B	4B	4B	3B	2B	2B	2B	2B
					Relevant design feature	Kenn. W Landfill	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
					Material	LANDFILL MATERIAL	MADE GROUND - OTHER	MADE GROUND - OTHER	ALLUVIUM	ALLUVIUM	ALLUVIUM	ALLUVIUM	TOPSOIL	ALLUVIUM	ALLUVIUM	ALLUVIUM	RIVER TERRACE DEPOSITS	ALLUVIUM	ALLUVIUM	ALLUVIUM	MADE GROUND - OTHER	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	ALLUVIUM
					Sampled Date	07/11/2017	12/04/2017	28/04/2017	21/04/2017	21/04/2017	05/04/2017	03/04/2017	03/04/2017	10/04/2017	10/04/2017	24/04/2017	24/04/2017	19/04/2017	19/04/2017	06/04/2017	28/04/2017	28/04/2017	28/04/2017	25/04/2017
Surrogate Recovery Toluene D8	%					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Surrogate Recovery 4-Bromofluorobenzene	%					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC MS																								
Phenols																								
2-Chlorophenol #M	ug/kg	0.0	N/A	N/A		<500			-	-								-	-	-				
2-Methylphenol	ug/kg	37,500.0	TP363A	LANDFILL MATERIAL		<500			-	-								-	-	-				
2-Nitrophenol	ug/kg	0.0	N/A	N/A		<500			-	-								-	-	-				
2,4-Dichlorophenol #M	ug/kg	0.0	N/A	N/A		<500			-	-								-	-	-				
2,4-Dimethylphenol	ug/kg	200.0	TP375	LANDFILL MATERIAL		<500			-	-								-	-	-				
2,4,5-Trichlorophenol	ug/kg	0.0	N/A	N/A		<500			-	-								-	-	-				
2,4,6-Trichlorophenol	ug/kg	0.0	N/A	N/A		<500			-	-								-	-	-				
4-Chloro-3-methylphenol	ug/kg	0.0	N/A	N/A		<500			-	-								-	-	-				
4-Methylphenol	ug/kg	15,200.0	TP363A	LANDFILL MATERIAL		<500			-	-								-	-	-				
4-Nitrophenol	ug/kg	0.0	N/A	N/A		<500			-	-								-	-	-				
Pentachlorophenol	ug/kg	0.0	N/A	N/A		<500			-	-								-	-	-				
Phenol #M	ug/kg	71,300.0	TP363A	LANDFILL MATERIAL		<500			-	-								-	-	-				
PAHs																								
2-Chloro'-phthalene #M	ug/kg	43.0	TP363	LANDFILL MATERIAL		<500			-	-								-	-	-	-	-	-	-
2-Methyl'-phthalene #M	ug/kg	1,763.0	TP363	LANDFILL MATERIAL		<500			-	-								-	-	-	-	-	-	-
-phthalene	ug/kg	1,400.0	TP363A	LANDFILL MATERIAL		<500			-	-								-	-	-	-	-	-	-
Ace'-phthylene	ug/kg	1,682.0	TP375	LANDFILL MATERIAL		<500			-	-								-	-	-	-	-	-	-
Ace'-phthene	ug/kg	7,757.0	TP363	LANDFILL MATERIAL		<500			-	-								-	-	-	-	-	-	-
Fluorene	ug/kg	7,803.0	TP363	LANDFILL MATERIAL		<500			-	-								-	-	-	-	-	-	-
Phe'-nthrene #M	ug/kg	41,418.0	TP363	LANDFILL MATERIAL		4,640.00			-	-								-	-	-	-	-	-	-
Anthracene	ug/kg	22,190.0	TP375	LANDFILL MATERIAL		1,010.00			-	-								-	-	-	-	-	-	-
Fluoranthene #M	ug/kg	61,252.0	TP363	LANDFILL MATERIAL		4,980.00			-	-								-	-	-	-	-	-	-
Pyrene #M	ug/kg	67,710.0	TP363	LANDFILL MATERIAL		5,520.00			-	-								-	-	-	-	-	-	-
Benzo(a)anthracene	ug/kg	36,676.0	TP375	LANDFILL MATERIAL		1,710.00			-	-								-	-	-	-	-	-	-
Chrysene	ug/kg	39,214.0	TP363	LANDFILL MATERIAL		2,450.00			-	-								-	-	-	-	-	-	-
Benzo(bk)fluoranthene	ug/kg	62,614.0	TP375	LANDFILL MATERIAL					-	-								-	-	-	-	-	-	-
Benzo(a)pyrene	ug/kg	33,730.0	TP363	LANDFILL MATERIAL		980.00			-	-								-	-	-	-	-	-	-
Indeno(123cd)pyrene	ug/kg	20,257.0	TP375	LANDFILL MATERIAL		<500			-	-								-	-	-	-	-	-	-
Dibenzo(ah)anthracene	ug/kg	9,257.0	TP375	LANDFILL MATERIAL		<500			-	-								-	-	-	-	-	-	-
Benzo(ghi)perylene	ug/kg	21,352.0	TP363	LANDFILL MATERIAL		754.00			-	-								-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/kg	45,082.0	TP375	LANDFILL MATERIAL		1,210.00			-	-								-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/kg	17,532.0	TP375	LANDFILL MATERIAL		1,100.00			-	-								-	-	-	-	-	-	-
Phthalates																								
Bis(2-ethylhexyl) phthalate	ug/kg	207,000.0	TP373A	0		5,080.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzyl phthalate	ug/kg	464.0	TP375A	LANDFILL MATERIAL		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butyl phthalate	ug/kg	4,830.0	TP360A	LANDFILL MATERIAL		1,450.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-Octyl phthalate	ug/kg	336.0	TP375A	LANDFILL MATERIAL		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	ug/kg	1,260.0	TP360A	LANDFILL MATERIAL		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dimethyl phthalate #M	ug/kg	0.0	N/A	N/A		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other SVOCs																								
1,2-Dichlorobenzene	ug/kg	0.0	N/A	N/A		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene #M	ug/kg	0.0	N/A	N/A		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/kg	0.0	N/A	N/A		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/kg	2,427.0	TP363	LANDFILL MATERIAL		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	ug/kg	0.0	N/A	N/A		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/kg	0.0	N/A	N/A		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/kg	0.0	N/A	N/A		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	ug/kg	0.0	N/A	N/A		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

					Sample ID	TP359A	BH304	BH304	BH305	BH306 OBS	BH306 PMP	BH306FF	BH307	BH308	BH308	BH321	BH321	BH360	BH360	TMPBH04	TP314	TP314	TP314	TP321
					Depth	1.50-1.50	0.15	0.15	0.50	0.50	0.20	0.20	0.10-0.20	0.35	0.50	0.30	2.00	0.30	0.80	0.30-1.20	0.20	1.20	2.00	0.40
					Scheme Area	4D	2A	2A	2B	2B	2B	2B	2B	2B	2B	4B	4B	4B	4B	3B	2B	2B	2B	2B
					Relevant design feature	Kenn. W Landfill	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
					Material	LANDFILL MATERIAL	MADE GROUND - OTHER	MADE GROUND - OTHER	ALLUVIUM	ALLUVIUM	ALLUVIUM	ALLUVIUM	TOPSOIL	ALLUVIUM	ALLUVIUM	ALLUVIUM	RIVER TERRACE DEPOSITS	ALLUVIUM	ALLUVIUM	ALLUVIUM	MADE GROUND - OTHER	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	ALLUVIUM
					Sampled Date	07/11/2017	12/04/2017	28/04/2017	21/04/2017	21/04/2017	05/04/2017	03/04/2017	03/04/2017	10/04/2017	10/04/2017	24/04/2017	24/04/2017	19/04/2017	19/04/2017	06/04/2017	28/04/2017	28/04/2017	28/04/2017	25/04/2017
4-Bromophenylphenylether [#M]	ug/kg	0.0	N/A	N/A		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	ug/kg	0.0	N/A	N/A		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorophenylphenylether	ug/kg	0.0	N/A	N/A		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	ug/kg	0.0	N/A	N/A		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Azobenzene	ug/kg	0.0	N/A	N/A		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethoxy)methane	ug/kg	0.0	N/A	N/A		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethyl)ether	ug/kg	0.0	N/A	N/A		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	ug/kg	7,430.0	TP375	LANDFILL MATERIAL		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran [#M]	ug/kg	3,091.0	TP363	LANDFILL MATERIAL		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	ug/kg	0.0	N/A	N/A		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene [#M]	ug/kg	0.0	N/A	N/A		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/kg	0.0	N/A	N/A		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	ug/kg	0.0	N/A	N/A		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone [#M]	ug/kg	0.0	N/A	N/A		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-nitrosodi-n-propylamine [#M]	ug/kg	0.0	N/A	N/A		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrobenzene [#M]	ug/kg	0.0	N/A	N/A		<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBS																								
PCB 28 [#]	ug/kg	2,970.0	TP359A	LANDFILL MATERIAL		2,970.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB 52 [#]	ug/kg	784.0	TP374A	LANDFILL MATERIAL		574.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB 101 [#]	ug/kg	673.0	TP359	LANDFILL MATERIAL		128.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB 118 [#]	ug/kg	646.0	TP359	LANDFILL MATERIAL		133.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB 138 [#]	ug/kg	628.0	TP359	LANDFILL MATERIAL		84.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB 153 [#]	ug/kg	402.0	TP359	LANDFILL MATERIAL		84.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB 180 [#]	ug/kg	83.0	TP359	LANDFILL MATERIAL		56.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total 7 PCBs [#]	ug/kg	4,030.0	TP359A	LANDFILL MATERIAL		4,030.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB congener 81	µg/kg	0.0	N/A	N/A		<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB congener 77	µg/kg	83.8	TP359A	LANDFILL MATERIAL		83.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB congener 123	µg/kg	0.0	N/A	N/A		<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB congener 114	µg/kg	0.0	N/A	N/A		<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB congener 105	µg/kg	74.1	TP359A	LANDFILL MATERIAL		74.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB congener 126	µg/kg	0.0	N/A	N/A		<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB congener 167	µg/kg	8.0	TP374A	LANDFILL MATERIAL		3.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB congener 156	µg/kg	7.2	TP374A	LANDFILL MATERIAL		<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB congener 157	µg/kg	0.0	N/A	N/A		<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB congener 169	µg/kg	0.0	N/A	N/A		<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB congener 189	µg/kg	0.0	N/A	N/A		<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of detected WHO 12 PCBs	µg/kg	294.0	TP359A	LANDFILL MATERIAL		294.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combined Pesticides																								
Tec'-zene	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trifluralin	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phorate	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane (I	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quintozene (PCNB)	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Triallate	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
gamma-Hexachlorocyclohexane	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Disulfoton	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aldrin	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorothalonil	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

					Sample ID	TP359A	BH304	BH304	BH305	BH306 OBS	BH306 PMP	BH306FF	BH307	BH308	BH308	BH321	BH321	BH360	BH360	TMPBH04	TP314	TP314	TP314	TP321
					Depth	1.50-1.50	0.15	0.15	0.50	0.50	0.20	0.20	0.10-0.20	0.35	0.50	0.30	2.00	0.30	0.80	0.30-1.20	0.20	1.20	2.00	0.40
					Scheme Area	4D	2A	2A	2B	2B	2B	2B	2B	2B	2B	4B	4B	4B	4B	3B	2B	2B	2B	2B
					Relevant design feature	Kenn. W Landfill	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
					Material	LANDFILL MATERIAL	MADE GROUND - OTHER	MADE GROUND - OTHER	ALLUVIUM	ALLUVIUM	ALLUVIUM	ALLUVIUM	TOPSOIL	ALLUVIUM	ALLUVIUM	ALLUVIUM	RIVER TERRACE DEPOSITS	ALLUVIUM	ALLUVIUM	ALLUVIUM	MADE GROUND - OTHER	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	ALLUVIUM
					Sampled Date	07/11/2017	12/04/2017	28/04/2017	21/04/2017	21/04/2017	05/04/2017	03/04/2017	03/04/2017	10/04/2017	10/04/2017	24/04/2017	24/04/2017	19/04/2017	19/04/2017	06/04/2017	28/04/2017	28/04/2017	28/04/2017	25/04/2017
Telodrin	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane (H	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isodrin	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor epoxide	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Triadimefon	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pendimethalin	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p-DDE	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulphan I	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trans-chlordane	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-Chlordane	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDE	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p'-DDD (TDE)	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p-DDT	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-TDE (DDD)	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulphan II	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDT	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p-Methoxychlor	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-Methoxychlor	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulphan sulphate	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Permethrin I	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Permethrin II	µg/kg	0.0	N/A	N/A		<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

					Sample ID	TP321	TP327	TP327	TP331	TP331	TP344	TP344	TP370	TP370A	WS305	WS305	TMP-BH1	TMP-BH3	BH301	BH302	BH302	BH303	BH303	TP301
					Depth	1.00	0.20	1.50	0.40	1.00	0.20-0.75	0.75-0.90	0.50	0.50-0.50	1.20-1.85	1.83-2.00	0.70	0.50	0.30-0.60	0.30	0.60	0.20	0.50	0.30
					Scheme Area	2B	3B	3B	3C	3C	3C	3C	4C	4C	2B	2B	1A	1A	1A	1B	1B	1B	1A	1B
					Relevant design feature	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	N of Botley Rd.	N of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.
					Material	ALLUVIUM	ALLUVIUM	RIVER TERRACE DEPOSITS	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	TOPSOIL	ORGANIC ALLUVIUM	MADE GROUND - OTHER	MADE GROUND - OTHER	ALLUVIUM	RIVER TERRACE DEPOSITS	ALLUVIUM	ORGANIC ALLUVIUM	MADE GROUND - OTHER	MADE GROUND - OTHER	MADE GROUND - OTHER	MADE GROUND - OTHER	RIVER TERRACE DEPOSITS	ORGANIC ALLUVIUM
					Sampled Date	25/04/2017	26/04/2017	26/04/2017	26/04/2017	26/04/2017	11/04/2017	11/04/2017	11/04/2017	07/11/2017	24/04/2017	24/04/2017	20/04/2017	20/04/2017	19/04/2017	10/04/2017	10/04/2017	17/04/2017	05/04/2017	12/04/2017
Test	**Units**	**Max**	**Location of max**	**Strata**	**Criteria**																			
Fraction Organic Carbon	None	0.2	TP373A	0		0.007	0.019	0.007	0.005	0.007	0.03	0.051	NDP	0.01	0.03	0.00	0.002	0.01	0.033	0.032	0.025	0.044	0.102	0.002
Moisture Content 105C (% Dry Weight)	%	192.3	TP379	LANDFILL MATERIAL		9.2	28.2	15.9	24.2	13.3	62.3	69.9	16.50		63.80	11.40	39.3	40.1	19.1	17.1	39.9	29.8	36.2	32.2
Dry Matter Content Ratio 105°C	%	92.7	TP302	ALLUVIUM		91.6	78	86.3	80.5	88.2	61.6	58.9	85.80		61.00	89.70	71.8	71.4	84	85.4	71.5	77	73.4	75.6
Sulphate as SO4 (2:1 Ext) #M	g/l	1.4	BH337A	0		0.0158	<0.0015	0.1139	<0.0015	0.014	0.0116	0.425	<0.0015	<0.004	0.39	0.29	0.0235	0.0095	0.0838	0.0138	0.0228	0.0271	0.0359	<0.0015
Metals																								
Arsenic #M	mg/kg	193.3	BH365FH	RIVER TERRACE DEPOSITS	170	47.9	14.4	21.9	66	8.7	13.5	18.3	16.10	18.10	15.10	19.90	16	19.5	20.2	6.6	22.1	29.4	29.7	74.3
Cadmium #M	mg/kg	16.7	TP374A	LANDFILL MATERIAL	532	<0.1	0.3	0.3	0.6	0.1	0.2	0.2	0.20	0.39	<0.1	<0.1	<0.1	0.1	0.3	0.6	0.2	0.2	0.4	<0.1
Chromium #M	mg/kg	416.0	TP373A	0	33000	46.6	51.9	34.1	68	23.4	53.6	72.9	25.50	14.90	40.20	27.40	55	68.9	72.6	12.1	61.6	64.6	55	57
Hexavalent Chromium #	mg/kg	2.7	TP360A	LANDFILL LINER	220	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Copper #M	mg/kg	22,600.0	TP360A	LANDFILL LINER	44000	2	17	4	6	3	<1	14	15.00	17.80	8.00	4.00	20	16	60	3	<1	50	100	6
Lead #M	mg/kg	2,000.0	TP373A	0	630	7	47	11	26	9	37	16	59.00	41.50	<5	10.00	49	24	305	25	84	178	252	30
Mercury #M	mg/kg	4.1	TP373A	0	30	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.60	<0.1	<0.1	<0.1	<0.1	1.3	<0.1	<0.1	0.5	0.4	<0.1
Nickel #M	mg/kg	95.9	TP362A	LANDFILL MATERIAL	3400	23.1	29.8	35.1	57.8	11.7	31.5	49.4	19.10	22.00	18.40	17.90	26.8	38.8	25.6	6.6	39	34	51.3	37.3
Water Soluble Boron #M	mg/kg	71.5	TP362A	LANDFILL MATERIAL	46000	0.3	3.1	0.2	1.5	0.2	3.5	3.4	1.50	11.10	1.80	0.20	1.8	2.8	2.4	0.6	4.2	3.6	5	2.2
Zinc #M	mg/kg	6,250.0	TP373A	0		79	97	124	121	32	102	130	84.00	86.60	55.00	35.00	98	122	241	66	157	196	257	112
PAH MS																								
Acenaphthene #M	mg/kg	0.9	BH302	MADE GROUND - OTHER	29000	<0.05	<0.05	<0.05	0.1	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	0.88	<0.05	<0.05	0.54	<0.05
Acenaphthylene	mg/kg	8.4	BH302	MADE GROUND - OTHER	29000	<0.03	<0.03	<0.03	0.08	<0.03	<0.03	<0.03	<0.03	-	<0.03	<0.03	<0.03	<0.03	0.26	8.39	<0.03	0.13	1.87	<0.03
Anthracene #	mg/kg	13.4	BH302	MADE GROUND - OTHER	150000	<0.04	<0.04	<0.04	0.18	<0.04	<0.04	<0.04	<0.04	-	<0.04	<0.04	<0.04	<0.04	0.4	13.44	<0.04	0.25	3.99	<0.04
Benzo(a)anthracene #	mg/kg	19.5	BH302	MADE GROUND - OTHER	49	<0.06	<0.06	<0.06	0.65	<0.06	<0.06	<0.06	0.13	-	<0.06	<0.06	0.1	<0.06	1.89	19.5	0.22	1.5	8.6	<0.06
Benzo(a)pyrene #	mg/kg	16.3	BH302	MADE GROUND - OTHER	11	<0.04	<0.04	<0.04	0.6	<0.04	<0.04	<0.04	0.11	-	<0.04	<0.04	<0.04	<0.04	2.13	16.34	0.21	1.79	8.84	<0.04
Benzo(b)fluoranthene	mg/kg	19.0	BH302	MADE GROUND - OTHER	13	<0.05	<0.05	<0.05	0.77	<0.05	<0.05	<0.05	0.12	-	<0.05	<0.05	<0.05	<0.05	2.51	18.99	0.24	2.01	10.63	<0.05
Benzo(ghi)perylene #	mg/kg	9.4	BH302	MADE GROUND - OTHER	1400	<0.04	<0.04	<0.04	0.42	<0.04	<0.04	<0.04	0.07	-	<0.04	<0.04	<0.04	<0.04	1.41	9.43	0.17	1.14	5.06	<0.04
Benzo(k)fluoranthene	mg/kg	7.4	BH302	MADE GROUND - OTHER	370	<0.02	<0.02	<0.02	0.3	<0.02	<0.02	<0.02	0.05	-	<0.02	<0.02	<0.02	<0.02	0.98	7.38	0.09	0.78	4.13	<0.02
Chrysene #M	mg/kg	19.4	BH302	MADE GROUND - OTHER	93	<0.02	<0.02	<0.02	0.69	<0.02	<0.02	<0.02	0.11	-	<0.02	<0.02	0.08	<0.02	1.6	19.35	0.21	1.6	8.67	<0.02
Dibenzo(ah)anthracene #	mg/kg	2.7	BH302	MADE GROUND - OTHER	1.1	<0.04	<0.04	<0.04	0.1	<0.04	<0.04	<0.04	<0.04	-	<0.04	<0.04	<0.04	<0.04	0.28	2.73	<0.04	0.28	1.07	<0.04
Fluoranthene #M	mg/kg	49.8	BH302	MADE GROUND - OTHER	6300	<0.03	<0.03	<0.03	1.37	<0.03	<0.03	<0.03	0.16	-	<0.03	<0.03	0.14	<0.03	2.92	49.77	0.31	2.51	19.61	<0.03
Fluorene #M	mg/kg	2.4	BH302	MADE GROUND - OTHER	20000	<0.04	<0.04	<0.04	0.06	<0.04	<0.04	<0.04	<0.04	-	<0.04	<0.04	<0.04	<0.04	0.05	2.36	<0.04	<0.04	1.03	<0.04
Indeno(123cd)pyrene #M	mg/kg	10.2	BH302	MADE GROUND - OTHER	150	<0.04	<0.04	<0.04	0.47	<0.04	<0.04	<0.04	0.07	-	<0.04	<0.04	<0.04	<0.04	1.46	10.16	0.14	1.21	5.87	<0.04
Naphthalene #M	mg/kg	4.4	BH302	MADE GROUND - OTHER	1200	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	-	<0.04	<0.04	<0.04	<0.04	0.07	4.4	<0.04	<0.04	0.41	<0.04
Phenanthrene #M	mg/kg	52.0	BH302	MADE GROUND - OTHER	6200	<0.03	<0.03	<0.03	0.73	<0.03	<0.03	<0.03	0.06	-	<0.03	<0.03	0.08	<0.03	0.86	51.95	0.08	0.82	13.48	<0.03
Pyrene #	mg/kg	37.6	BH302	MADE GROUND - OTHER	150000	<0.03	<0.03	<0.03	1.09	<0.03	<0.03	<0.03	0.14	-	<0.03	<0.03	0.11	<0.03	2.56	37.61	0.28	2.21	16.7	<0.03
PAH 16 Total	mg/kg	272.7	BH302	MADE GROUND - OTHER		<0.6	<0.6	<0.6	7.6	<0.6	<0.6	<0.6	1.00	-	<0.6	<0.6	<0.6	<0.6	19.4	272.7	2	16.2	110.5	<0.6
PAH Surrogate % Recovery	%					87	102	99	103	110	99	100	103.00	-	81.00	87.00	113	110	91	97	98	105	84	101
Benzo(bk)fluoranthene #M	mg/kg	108.0	CPT301-IP	0		<0.07	<0.07	<0.07	1.07	<0.07	<0.07	<0.07	0.17	-	<0.07	<0.07	<0.07	<0.07	3.49	26.37	0.33	2.79	14.76	<0.07
Acenaphthene	µg/kg	11,400.0	TP363A	LANDFILL MATERIAL	29,000,000	-	-	-	-	-	-	-	-	<8	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/kg	2,230.0	TP363A	LANDFILL MATERIAL	29,000,000	-	-	-	-	-	-	-	-	21.80	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/kg	24,100.0	TP363A	LANDFILL MATERIAL	150,000,000	-	-	-	-	-	-	-	-	22.90	-	-	-	-	-	-	-	-	-	-
Benz(a)anthracene	µg/kg	59,700.0	TP363A	LANDFILL MATERIAL	49,000	-	-	-	-	-	-	-	-	135.00	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/kg	67,000.0	TP363A	LANDFILL MATERIAL	11,000	-	-	-	-	-	-	-	-	166.00	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/kg	88,900.0	TP363A	LANDFILL MATERIAL	13,000	-	-	-	-	-	-	-	-	241.00	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/kg	34,800.0	TP363A	LANDFILL MATERIAL	1,400,000	-	-	-	-	-	-	-	-	139.00	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/kg	29,000.0	TP363A	LANDFILL MATERIAL	370,000	-	-	-	-	-	-	-	-	95.00	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/kg	52,300.0	TP363A	LANDFILL MATERIAL	93,000	-	-	-	-	-	-	-	-	119.00	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/kg	11,100.0	TP363A	LANDFILL MATERIAL	1,100	-	-	-	-	-	-	-	-	43.10	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/kg	128,000.0	TP363A	LANDFILL MATERIAL	6,300,000	-	-	-	-	-	-	-	-	201.00	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/kg	12,800.0	TP363A	LANDFILL MATERIAL	20,000,000	-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/kg	34,000.0	TP363A	LANDFILL MATERIAL	150,000	-	-	-	-	-	-	-	-	112.00	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/kg	3,880.0	TP363A	LANDFILL MATERIAL	1,200,000	-	-	-	-	-	-	-	-	11.60	-	-	-	-	-	-	-	-	-	-

					Sample ID	TP321	TP327	TP327	TP331	TP331	TP344	TP344	TP370	TP370A	WS305	WS305	TMP-BH1	TMP-BH3	BH301	BH302	BH302	BH303	BH303	TP301
					Depth	1.00	0.20	1.50	0.40	1.00	0.20-0.75	0.75-0.90	0.50	0.50-0.50	1.20-1.85	1.83-2.00	0.70	0.50	0.30-0.60	0.30	0.60	0.20	0.50	0.30
					Scheme Area	2B	3B	3B	3C	3C	3C	3C	4C	4C	2B	2B	1A	1A	1A	1B	1B	1B	1A	1B
					Relevant design feature	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	N of Botley Rd.	N of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.
					Material	ALLUVIUM	ALLUVIUM	RIVER TERRACE DEPOSITS	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	TOPSOIL	ORGANIC ALLUVIUM	MADE GROUND - OTHER	MADE GROUND - OTHER	ALLUVIUM	RIVER TERRACE DEPOSITS	ALLUVIUM	ORGANIC ALLUVIUM	MADE GROUND - OTHER	MADE GROUND - OTHER	MADE GROUND - OTHER	MADE GROUND - OTHER	RIVER TERRACE DEPOSITS	ORGANIC ALLUVIUM
					Sampled Date	25/04/2017	26/04/2017	26/04/2017	26/04/2017	26/04/2017	11/04/2017	11/04/2017	11/04/2017	07/11/2017	24/04/2017	24/04/2017	20/04/2017	20/04/2017	19/04/2017	10/04/2017	10/04/2017	17/04/2017	05/04/2017	12/04/2017
Phenanthrene	µg/kg	71,500.0	TP363A	LANDFILL MATERIAL	6,200,000	-	-	-	-	-	-	-	-	67.30	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/kg	84,300.0	TP363A	LANDFILL MATERIAL	150,000,000	-	-	-	-	-	-	-	-	173.00	-	-	-	-	-	-	-	-	-	-
PAH, Total Detected USEPA 16	µg/kg	712,000.0	TP363A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	1,550.00	-	-	-	-	-	-	-	-	-	-
TPH CWG																								
Aliphatics																								
>C5-C6 #M	mg/kg	0.0	N/A	N/A	95,000.00	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1	<1.0	<0.1	<0.1
>C6-C8 #M	mg/kg	0.2	TP359	LANDFILL MATERIAL	150,000.00	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1	<1.0	0.1	<0.1
>C8-C10	mg/kg	28.3	TP373	LANDFILL MATERIAL	14,000.00	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1	<1.0	0.1	<0.1
>C10-C12 #M	mg/kg	126.7	TP373	LANDFILL MATERIAL	21,000.00	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
>C12-C16 #M	mg/kg	84.0	TP378	MADE GROUND - OTHER	25,000.00	<4	<4	<4	<4	<4	<4	<4	<4	-	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
>C16-C21 #M	mg/kg	429.0	TP378	MADE GROUND - OTHER	450,000.00	<7	<7	<7	<7	<7	<7	<7	<7	-	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7
>C21-C35 #M	mg/kg	8,339.0	TP373	LANDFILL MATERIAL	45,000.00	<7	<7	<7	<7	<7	<7	<7	<7	-	<7	<7	<7	<7	13	159	<7	<7	<7	<7
Aliphatics >C5-C6	µg/kg	64.0	TP374A	LANDFILL MATERIAL	95,000,000.00	-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
Aliphatics >C6-C8	µg/kg	568.0	TP363A	LANDFILL MATERIAL	150,000,000.00	-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
Aliphatics >C8-C10	µg/kg	1,010.0	TP374A	LANDFILL MATERIAL	14,000,000.00	-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
Aliphatics >C10-C12	µg/kg	1,210.0	TP359A	LANDFILL MATERIAL	21,000,000.00	-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
Aliphatics >C12-C16	µg/kg	189,000.0	TP373A	0	25,000,000.00	-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
Aliphatics >C16-C21	µg/kg	154,000.0	TP359A	LANDFILL MATERIAL	450,000,000.00	-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
Aliphatics >C21-C35	µg/kg	9,190,000.0	TP373A	0	45,000,000.00	-	-	-	-	-	-	-	-	636.00	-	-	-	-	-	-	-	-	-	-
Aliphatics >C35-C44	µg/kg	1,370,000.0	TP373A	0	95,000,000,000.00	-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
Total Aliphatics >C12-C44	µg/kg	10,800,000.0	TP373A	0	95,000,000,000.00	-	-	-	-	-	-	-	-	636.00	-	-	-	-	-	-	-	-	-	-
Aromatics																								
>C5-EC7 #	mg/kg	0.0	N/A	N/A	76000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1	<1.0	<0.1	<0.1
>EC7-EC8 #	mg/kg	0.0	N/A	N/A	87000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1	<1.0	<0.1	<0.1
>EC8-EC10 #M	mg/kg	0.0	N/A	N/A	7200	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1	<1.0	<0.1	<0.1
>EC10-EC12 #	mg/kg	16.0	TP373	LANDFILL MATERIAL	9200	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		<0.2	<0.2	<0.2	<0.2	<0.2	1	<0.2	<0.2	<0.2	<0.2
>EC12-EC16 #	mg/kg	125.0	TP363	LANDFILL MATERIAL	10000	<4	<4	<4	<4	<4	<4	<4	<4		<4	<4	<4	<4	<4	25	<4	<4	11	<4
>EC16-EC21 #	mg/kg	802.0	TP363	LANDFILL MATERIAL	7600	<7	<7	<7	<7	<7	<7	<7	<7		<7	<7	<7	<7	<7	183	<7	9	115	<7
>EC21-EC35 #	mg/kg	3,721.0	TP373	LANDFILL MATERIAL	7800	<7	<7	<7	<7	<7	<7	<7	<7		<7	<7	<7	<7	95	852	<7	25	445	<7
Aromatics >EC5-EC7	µg/kg	16.3	TP359A	LANDFILL MATERIAL	76,000,000	-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
Aromatics >EC7-EC8	µg/kg	273.0	TP363A	LANDFILL MATERIAL	87,000,000	-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
Aromatics >EC8-EC10	µg/kg	737.0	TP359A	LANDFILL MATERIAL	7,200,000	-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
Aromatics >EC10-EC12	µg/kg	806.0	TP359A	LANDFILL MATERIAL	9,200,000	-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
Aromatics >EC12-EC16	µg/kg	54,000.0	TP363A	LANDFILL MATERIAL	10,000,000	-	-	-	-	-	-	-	-	422.00	-	-	-	-	-	-	-	-	-	-
Aromatics >EC16-EC21	µg/kg	265,000.0	TP363A	LANDFILL MATERIAL	7,600,000	-	-	-	-	-	-	-	-	1,430.00	-	-	-	-	-	-	-	-	-	-
Aromatics >EC21-EC35	µg/kg	1,390,000.0	TP363A	LANDFILL MATERIAL	7,800,000	-	-	-	-	-	-	-	-	7,170.00	-	-	-	-	-	-	-	-	-	-
Aromatics >EC35-EC44	µg/kg	816,000.0	TP363A	LANDFILL MATERIAL	7,800,000	-	-	-	-	-	-	-	-	1,750.00	-	-	-	-	-	-	-	-	-	-
Aromatics >EC40-EC44	µg/kg	346,000.0	TP363A	LANDFILL MATERIAL	7,800,000	-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
Total Aromatics >EC12-EC44	µg/kg	2,530,000.0	TP363A	LANDFILL MATERIAL	7,800,000	-	-	-	-	-	-	-	-	10,800.00	-	-	-	-	-	-	-	-	-	-
TPH CWG																								
Aliphatics																								
Total aliphatics C5-35	mg/kg	8,811.0	TP373	LANDFILL MATERIAL		<19	<19	<19	<19	<19	<19	<19	<19	-	<19	<19	<19	<19	<19	159	<19	<19	<19	<19
Total Aliphatics >C12-C44	µg/kg	10,800,000.0	TP373A	0		-	-	-	-	-	-	-	-	636.00	-	-	-	-	-	-	-	-	-	-
Aromatics																								
Total aromatics C5-35 #	mg/kg	4,065.0	TP373	LANDFILL MATERIAL		<19	<19	<19	<19	<19	<19	<19	<19		<19	<19	<19	<19	95	1061	<19	34	571	<19
Total Aromatics >EC12-EC44	µg/kg	2,530,000.0	TP363A	LANDFILL MATERIAL		-	-	-	-	-	-	-		10,800.00	-	-	-	-	-	-	-	-	-	-
Total aliphatics and aromatics(C5-35)	mg/kg	12,876.0	TP373	LANDFILL MATERIAL		<38	<38	<38	<38	<38	<38	<38	<38		<38	<38	<38	<38	95	1220	<38	<38	571	<38
Total Aliphatics & Aromatics >C5-C44	µg/kg	11,700,000.0	TP373A	0		-	-	-	-	-	-	-		11,400.00	-	-	-	-	-	-	-	-	-	-

					Sample ID	TP321	TP327	TP327	TP331	TP331	TP344	TP344	TP370	TP370A	WS305	WS305	TMP-BH1	TMP-BH3	BH301	BH302	BH302	BH303	BH303	TP301
					Depth	1.00	0.20	1.50	0.40	1.00	0.20-0.75	0.75-0.90	0.50	0.50-0.50	1.20-1.85	1.83-2.00	0.70	0.50	0.30-0.60	0.30	0.60	0.20	0.50	0.30
					Scheme Area	2B	3B	3B	3C	3C	3C	3C	4C	4C	2B	2B	1A	1A	1A	1B	1B	1B	1A	1B
					Relevant design feature	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	N of Botley Rd.	N of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.
					Material	ALLUVIUM	ALLUVIUM	RIVER TERRACE DEPOSITS	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	TOPSOIL	ORGANIC ALLUVIUM	MADE GROUND - OTHER	MADE GROUND - OTHER	ALLUVIUM	RIVER TERRACE DEPOSITS	ALLUVIUM	ORGANIC ALLUVIUM	MADE GROUND - OTHER	MADE GROUND - OTHER	MADE GROUND - OTHER	MADE GROUND - OTHER	RIVER TERRACE DEPOSITS	ORGANIC ALLUVIUM
					Sampled Date	25/04/2017	26/04/2017	26/04/2017	26/04/2017	26/04/2017	11/04/2017	11/04/2017	11/04/2017	07/11/2017	24/04/2017	24/04/2017	20/04/2017	20/04/2017	19/04/2017	10/04/2017	10/04/2017	17/04/2017	05/04/2017	12/04/2017
MTBE #	ug/kg	0.0	N/A	N/A		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<50	<5	<5	<50	<5	<5
Benzene #	ug/kg	16.3	TP359A	LANDFILL MATERIAL	90	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	<5	<50	<5	<5	<50	<5	<5
Toluene #	ug/kg	273.0	TP363A	LANDFILL MATERIAL	87000	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<5	<5	<5	<50	<5	<5	<50	<5	<5
Ethylbenzene #	ug/kg	35.5	TP363A	LANDFILL MATERIAL	17000	<5	<5	<5	<5	<5	<5	<5	<5	<3	<5	<5	<5	<5	<50	<5	<5	<50	<5	<5
m/p-Xylene #	ug/kg	101.0	TP359A	LANDFILL MATERIAL	17000	<5	<5	<5	<5	<5	<5	<5	<5	<6	<5	<5	<5	<5	<50	<5	<5	<50	<5	<5
o-Xylene #	ug/kg	35.6	TP359A	LANDFILL MATERIAL	17000	<5	<5	<5	<5	<5	<5	<5	<5	<3	<5	<5	<5	<5	<50	<5	<5	<50	<5	<5
Total Phenols HPLC	mg/kg	3.4	BH369	RIVER TERRACE DEPOSITS		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.01	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	0.85	<0.15
-tural Moisture Content	%	112.9	TP373	LANDFILL MATERIAL		4.8	20.4	18.2	22.8	13.5	43	102.5	-		89.00	11.90	29.1	23	14.3	10.4	44.8	21.3	21.1	18.6
-tural Moisture Content	%	29.5	BH334	MADE GROUND - A423 EMBANKMENT							-	-	13.90						-	-	-	-	-	
pH #M	pH units	11.9	TP363A	LANDFILL MATERIAL		8.96	8.09	7.93	8.41	8.73	8.52	7.89	8.33	8.31	7.95	8.13	8.4	8.45	8.04	8.25	8.04	7.97	7.4	8.24
Sample Type	None	0.0	N/A	N/A		Sand	Clay	Sand	Clay	Sand	Clay	Clay	NDP	Sandy Loam	Loam	Sand	Clay	Clay	Loam	Sandy Loam	Clay	Clayey Loam	Clayey Loam	Clay
Sample Colour	None	0.0	N/A	N/A		Medium Brown	Medium Brown	Dark Brown	Medium Brown	Medium Brown	Medium Brown	Dark Brown	NDP	Light Brown	Dark Brown	Medium Brown	Medium Brown	Medium Brown	Dark Brown	Dark Brown	Medium Brown	Medium Brown	Dark Brown	Dark Brown
Other Items	None	0.0	N/A	N/A		STONES	stones, roots	stones	'-	stones	stones, roots	roots	NDP	Vegetation	stones & roots	stones	stones	stones	'-	'-	stones	roots	stones, sand, vegetation	stones, roots
Moisture Content*	%	151.0	TP344	ORGANIC ALLUVIUM		NDP	37	NDP	28.4	NDP	74.6	151	16.70	-	85.70	NDP	41.6	50.5	NDP	NDP	44.2	31.4	36.4	28.9
Bulk Density*	mg/m3	2.1	BH369	MADE GROUND - A423 EMBANKMENT		NDP	1.7	NDP	1.97	NDP	1.45	1.16	1.97	-	1.51	NDP	1.77	1.57	NDP	NDP	1.76	1.48	1.51	1.56
Dry Density*	mg/m3	1.8	TP314	MADE GROUND - OTHER		NDP	1.24	NDP	1.53	NDP	0.83	0.46	1.69	-	0.81	NDP	1.25	1.04	NDP	NDP	1.22	1.13	1.11	1.21
Asbestos																								
General Description (Bulk A'-lysis)	None	0.0	N/A	N/A		soil/stones	soil/stones	soil/stones	soil/stones	stones/soil	soil-stones	soil-stones	soil-stones		Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stone	soil/stones	Soil/Stones	Soil/Stones	soil-stones	soil/stones	soil-stones
Asbestos Fibres	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	NAD	NAD	NAD	Fibre Bundles	NAD	NAD	NAD	NAD	NAD	NA	NA	NA	NA	NA	NAD
Asbestos Fibres (2)	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	NAD	NAD	NAD	NA	NAD	NAD	NAD	NAD	NAD	NA	NA	NA	NA	NA	NAD
Asbestos ACM	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NA	NA	NA	NA	NA	NAD
Asbestos ACM (2)	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	NAD	NAD	NAD	NA	NAD	NAD	NAD	NAD	NAD	NA	NA	NA	NA	NA	NAD
Asbestos Type #	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	NAD	NAD	NAD	Chrysotile	NAD	NAD	NAD	NAD	NAD	NA	NA	NA	NA	NA	NAD
Asbestos Type (2) #	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	NAD	NAD	NAD	NA	NAD	NAD	NAD	NAD	NAD	NA	NA	NA	NA	NA	NAD
Asbestos Level Screen	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	NAD	NAD	NAD	<0.1%	NAD	NAD	NAD	NAD	NAD	NA	NA	NA	NA	NA	NAD
Mass of Dry Sample	g	56.9	BH365FH	RIVER TERRACE DEPOSITS		-	-	-	-	-	-	-	-	-	-	-	38.6	37.9	46.7	-	-	-	-	-
Asbestos Gravimetric Quantification	mass %	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos PCOM Quantification (Fibres)	mass %	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Gravimetric & PCOM Total	mass %	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Available Phosphorus (Index)	mg/l					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VOC MS																								
Dichlorodifluoromethane	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<6	-	-	-	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
Chloromethane #	ug/kg	25.0	TP362	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<7	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	ug/kg	11.4	TP374A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<6	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
Chloroethane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<6	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene (1,1 DCE) #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
Dichloromethane (DCM) #	ug/kg	477.0	TP363A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
trans-1-2-Dichloroethene #	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<8	-	-	-	-	-	-	-	-	-	-
cis-1-2-Dichloroethene #M	ug/kg	160.0	TP374A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<6	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
Bromochloromethane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
Chloroform #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<8	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<7	-	-	-	-	-	-	-	-	-	-

					Sample ID	TP321	TP327	TP327	TP331	TP331	TP344	TP344	TP370	TP370A	WS305	WS305	TMP-BH1	TMP-BH3	BH301	BH302	BH302	BH303	BH303	TP301
					Depth	1.00	0.20	1.50	0.40	1.00	0.20-0.75	0.75-0.90	0.50	0.50-0.50	1.20-1.85	1.83-2.00	0.70	0.50	0.30-0.60	0.30	0.60	0.20	0.50	0.30
					Scheme Area	2B	3B	3B	3C	3C	3C	3C	4C	4C	2B	2B	1A	1A	1A	1B	1B	1B	1A	1B
					Relevant design feature	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	N of Botley Rd.	N of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.
					Material	ALLUVIUM	ALLUVIUM	RIVER TERRACE DEPOSITS	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	TOPSOIL	ORGANIC ALLUVIUM	MADE GROUND - OTHER	MADE GROUND - OTHER	ALLUVIUM	RIVER TERRACE DEPOSITS	ALLUVIUM	ORGANIC ALLUVIUM	MADE GROUND - OTHER	MADE GROUND - OTHER	MADE GROUND - OTHER	MADE GROUND - OTHER	RIVER TERRACE DEPOSITS	ORGANIC ALLUVIUM
					Sampled Date	25/04/2017	26/04/2017	26/04/2017	26/04/2017	26/04/2017	11/04/2017	11/04/2017	11/04/2017	07/11/2017	24/04/2017	24/04/2017	20/04/2017	20/04/2017	19/04/2017	10/04/2017	10/04/2017	17/04/2017	05/04/2017	12/04/2017
1,1-Dichloropropene [#]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<5	-	-	-	-	-	-	-	-	-	-
Benzene [#M]	ug/kg	16.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<9	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE) [#M]	ug/kg	139.0	TP374A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<9	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
Dibromomethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<9	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<7	-	-	-	-	-	-	-	-	-	-
cis-1-3-Dichloropropene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
Toluene [#M]	ug/kg	24.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<7	-	-	-	-	-	-	-	-	-	-
trans-1-3-Dichloropropene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE) [#]	ug/kg	847.0	TP374A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<5	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<7	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane [#]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
Chlorobenzene [#M]	ug/kg	79.0	TP373	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<5	-	-	-	-	-	-	-	-	-	-
1,1,1,2-Tetrachloroethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
Ethylbenzene [#M]	ug/kg	19.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<4	-	-	-	-	-	-	-	-	-	-
p/m-Xylene [#M]	ug/kg	95.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
o-Xylene [#M]	ug/kg	35.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
Styrene	ug/kg	28.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
Bromoform	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene [#]	ug/kg	62.0	TP373	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<5	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
Bromobenzene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<16	-	-	-	-	-	-	-	-	-	-
Propylbenzene [#]	ug/kg	27.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<9	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene [#]	ug/kg	85.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<8	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene [#]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<14	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene [#]	ug/kg	314.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<9	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene [#]	ug/kg	368.0	TP373	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
4-Isopropyltoluene [#]	ug/kg	2,879.0	TP362	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<8	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene [#]	ug/kg	460.0	TP373	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<5	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene [#]	ug/kg	25.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<11	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene [#M]	ug/kg	6.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane [#]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<14	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene [#]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/kg	238.0	TP363A	LANDFILL MATERIAL							-	-	-	<13	-	-								
1,2,3-Trichlorobenzene [#]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-	-	-	-
Surrogate Recovery Toluene D8	%					-	-	-	-	-	-	-	-	99.80	-	-	-	-	-	-	-	-	-	-
Surrogate Recovery 4-Bromofluorobenzene	%					-	-	-	-	-	-	-	-	94.00	-	-	-	-	-	-	-	-	-	-
											-	-												
Methyl Tertiary Butyl Ether [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene [#M]	ug/kg	16.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene [#M]	ug/kg	24.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene [#M]	ug/kg	19.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p/m-Xylene [#M]	ug/kg	95.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene [#M]	ug/kg	35.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

					Sample ID	TP321	TP327	TP327	TP331	TP331	TP344	TP344	TP370	TP370A	WS305	WS305	TMP-BH1	TMP-BH3	BH301	BH302	BH302	BH303	BH303	TP301
					Depth	1.00	0.20	1.50	0.40	1.00	0.20-0.75	0.75-0.90	0.50	0.50-0.50	1.20-1.85	1.83-2.00	0.70	0.50	0.30-0.60	0.30	0.60	0.20	0.50	0.30
					Scheme Area	2B	3B	3B	3C	3C	3C	3C	4C	4C	2B	2B	1A	1A	1A	1B	1B	1B	1A	1B
					Relevant design feature	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	N of Botley Rd.	N of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.
					Material	ALLUVIUM	ALLUVIUM	RIVER TERRACE DEPOSITS	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	TOPSOIL	ORGANIC ALLUVIUM	MADE GROUND - OTHER	MADE GROUND - OTHER	ALLUVIUM	RIVER TERRACE DEPOSITS	ALLUVIUM	ORGANIC ALLUVIUM	MADE GROUND - OTHER	MADE GROUND - OTHER	MADE GROUND - OTHER	MADE GROUND - OTHER	RIVER TERRACE DEPOSITS	ORGANIC ALLUVIUM
					Sampled Date	25/04/2017	26/04/2017	26/04/2017	26/04/2017	26/04/2017	11/04/2017	11/04/2017	11/04/2017	07/11/2017	24/04/2017	24/04/2017	20/04/2017	20/04/2017	19/04/2017	10/04/2017	10/04/2017	17/04/2017	05/04/2017	12/04/2017
Surrogate Recovery Toluene D8	%					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Surrogate Recovery 4-Bromofluorobenzene	%					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC MS																								
Phenols																								
2-Chlorophenol #M	ug/kg	0.0	N/A	N/A							-	-	-	<100	-	-	-	-	-					
2-Methylphenol	ug/kg	37,500.0	TP363A	LANDFILL MATERIAL							-	-	-	<100	-	-	-	-	-					
2-Nitrophenol	ug/kg	0.0	N/A	N/A							-	-	-	<100	-	-	-	-	-					
2,4-Dichlorophenol #M	ug/kg	0.0	N/A	N/A							-	-	-	<100	-	-	-	-	-					
2,4-Dimethylphenol	ug/kg	200.0	TP375	LANDFILL MATERIAL							-	-	-	<100	-	-	-	-	-					
2,4,5-Trichlorophenol	ug/kg	0.0	N/A	N/A							-	-	-	<100	-	-	-	-	-					
2,4,6-Trichlorophenol	ug/kg	0.0	N/A	N/A							-	-	-	<100	-	-	-	-	-					
4-Chloro-3-methylphenol	ug/kg	0.0	N/A	N/A							-	-	-	<100	-	-	-	-	-					
4-Methylphenol	ug/kg	15,200.0	TP363A	LANDFILL MATERIAL							-	-	-	<100	-	-	-	-	-					
4-Nitrophenol	ug/kg	0.0	N/A	N/A							-	-	-	<100	-	-	-	-	-					
Pentachlorophenol	ug/kg	0.0	N/A	N/A							-	-	-	<100	-	-	-	-	-					
Phenol #M	ug/kg	71,300.0	TP363A	LANDFILL MATERIAL							-	-	-	<100	-	-	-	-	-					
PAHs													-											
2-Chloro'-phthalene #M	ug/kg	43.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<100	-	-	-	-	-					-
2-Methyl'-phthalene #M	ug/kg	1,763.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<100	-	-	-	-	-					-
-phthalene	ug/kg	1,400.0	TP363A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<100	-	-	-	-	-					-
Ace'-phthylene	ug/kg	1,682.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<100	-	-	-	-	-					-
Ace'-phthene	ug/kg	7,757.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<100	-	-	-	-	-					-
Fluorene	ug/kg	7,803.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<100	-	-	-	-	-					-
Phe'-nthrene #M	ug/kg	41,418.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<100	-	-	-	-	-					-
Anthracene	ug/kg	22,190.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<100	-	-	-	-	-					-
Fluoranthene #M	ug/kg	61,252.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	141.00	-	-	-	-	-					-
Pyrene #M	ug/kg	67,710.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	151.00	-	-	-	-	-					-
Benzo(a)anthracene	ug/kg	36,676.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<100	-	-	-	-	-					-
Chrysene	ug/kg	39,214.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<100	-	-	-	-	-					-
Benzo(bk)fluoranthene	ug/kg	62,614.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-					-
Benzo(a)pyrene	ug/kg	33,730.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<100	-	-	-	-	-					-
Indeno(123cd)pyrene	ug/kg	20,257.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<100	-	-	-	-	-					-
Dibenzo(ah)anthracene	ug/kg	9,257.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<100	-	-	-	-	-					-
Benzo(ghi)perylene	ug/kg	21,352.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<100	-	-	-	-	-					-
Benzo(b)fluoranthene	ug/kg	45,082.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<100	-	-	-	-	-					-
Benzo(k)fluoranthene	ug/kg	17,532.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<100	-	-	-	-	-					-
Phthalates																								
Bis(2-ethylhexyl) phthalate	ug/kg	207,000.0	TP373A	0		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
Butylbenzyl phthalate	ug/kg	464.0	TP375A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
Di-n-butyl phthalate	ug/kg	4,830.0	TP360A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
Di-n-Octyl phthalate	ug/kg	336.0	TP375A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	ug/kg	1,260.0	TP360A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
Dimethyl phthalate #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
Other SVOCs																								
1,2-Dichlorobenzene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/kg	2,427.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-

					Sample ID	TP321	TP327	TP327	TP331	TP331	TP344	TP344	TP370	TP370A	WS305	WS305	TMP-BH1	TMP-BH3	BH301	BH302	BH302	BH303	BH303	TP301
					Depth	1.00	0.20	1.50	0.40	1.00	0.20-0.75	0.75-0.90	0.50	0.50-0.50	1.20-1.85	1.83-2.00	0.70	0.50	0.30-0.60	0.30	0.60	0.20	0.50	0.30
					Scheme Area	2B	3B	3B	3C	3C	3C	3C	4C	4C	2B	2B	1A	1A	1A	1B	1B	1B	1A	1B
					Relevant design feature	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	N of Botley Rd.	N of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.
					Material	ALLUVIUM	ALLUVIUM	RIVER TERRACE DEPOSITS	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	TOPSOIL	ORGANIC ALLUVIUM	MADE GROUND - OTHER	MADE GROUND - OTHER	ALLUVIUM	RIVER TERRACE DEPOSITS	ALLUVIUM	ORGANIC ALLUVIUM	MADE GROUND - OTHER	MADE GROUND - OTHER	MADE GROUND - OTHER	MADE GROUND - OTHER	RIVER TERRACE DEPOSITS	ORGANIC ALLUVIUM
					Sampled Date	25/04/2017	26/04/2017	26/04/2017	26/04/2017	26/04/2017	11/04/2017	11/04/2017	11/04/2017	07/11/2017	24/04/2017	24/04/2017	20/04/2017	20/04/2017	19/04/2017	10/04/2017	10/04/2017	17/04/2017	05/04/2017	12/04/2017
4-Bromophenylphenylether [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
4-Chlorophenylphenylether	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
Azobenzene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethoxy)methane	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethyl)ether	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
Carbazole	ug/kg	7,430.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
Dibenzofuran [#M]	ug/kg	3,091.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
Isophorone [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
N-nitrosodi-n-propylamine [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
Nitrobenzene [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
PCBS																								
PCB 28 [#]	ug/kg	2,970.0	TP359A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<3	-	-	-	-	-	-	-	-	-	-
PCB 52 [#]	ug/kg	784.0	TP374A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<3	-	-	-	-	-	-	-	-	-	-
PCB 101 [#]	ug/kg	673.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<3	-	-	-	-	-	-	-	-	-	-
PCB 118 [#]	ug/kg	646.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<3	-	-	-	-	-	-	-	-	-	-
PCB 138 [#]	ug/kg	628.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<3	-	-	-	-	-	-	-	-	-	-
PCB 153 [#]	ug/kg	402.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<3	-	-	-	-	-	-	-	-	-	-
PCB 180 [#]	ug/kg	83.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<3	-	-	-	-	-	-	-	-	-	-
Total 7 PCBs [#]	ug/kg	4,030.0	TP359A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<21	-	-	-	-	-	-	-	-	-	-
PCB congener 81	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<3	-	-	-	-	-	-	-	-	-	-
PCB congener 77	µg/kg	83.8	TP359A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<3	-	-	-	-	-	-	-	-	-	-
PCB congener 123	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<3	-	-	-	-	-	-	-	-	-	-
PCB congener 114	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<3	-	-	-	-	-	-	-	-	-	-
PCB congener 105	µg/kg	74.1	TP359A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<3	-	-	-	-	-	-	-	-	-	-
PCB congener 126	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<3	-	-	-	-	-	-	-	-	-	-
PCB congener 167	µg/kg	8.0	TP374A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<3	-	-	-	-	-	-	-	-	-	-
PCB congener 156	µg/kg	7.2	TP374A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<3	-	-	-	-	-	-	-	-	-	-
PCB congener 157	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<3	-	-	-	-	-	-	-	-	-	-
PCB congener 169	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<3	-	-	-	-	-	-	-	-	-	-
PCB congener 189	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<3	-	-	-	-	-	-	-	-	-	-
Sum of detected WHO 12 PCBs	µg/kg	294.0	TP359A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	<36	-	-	-	-	-	-	-	-	-	-
Combined Pesticides																								
Tec'-zene	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
Trifluralin	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
Phorate	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane (I	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
Quintozene (PCNB)	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
Triallate	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
gamma-Hexachlorocyclohexane	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
Disulfoton	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
Heptachlor	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
Aldrin	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
Chlorothalonil	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-

					Sample ID	TP321	TP327	TP327	TP331	TP331	TP344	TP344	TP370	TP370A	WS305	WS305	TMP-BH1	TMP-BH3	BH301	BH302	BH302	BH303	BH303	TP301
					Depth	1.00	0.20	1.50	0.40	1.00	0.20-0.75	0.75-0.90	0.50	0.50-0.50	1.20-1.85	1.83-2.00	0.70	0.50	0.30-0.60	0.30	0.60	0.20	0.50	0.30
					Scheme Area	2B	3B	3B	3C	3C	3C	3C	4C	4C	2B	2B	1A	1A	1A	1B	1B	1B	1A	1B
					Relevant design feature	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	N of Botley Rd.	N of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.
					Material	ALLUVIUM	ALLUVIUM	RIVER TERRACE DEPOSITS	ORGANIC ALLUVIUM	RIVER TERRACE DEPOSITS	TOPSOIL	ORGANIC ALLUVIUM	MADE GROUND - OTHER	MADE GROUND - OTHER	ALLUVIUM	RIVER TERRACE DEPOSITS	ALLUVIUM	ORGANIC ALLUVIUM	MADE GROUND - OTHER	MADE GROUND - OTHER	MADE GROUND - OTHER	MADE GROUND - OTHER	RIVER TERRACE DEPOSITS	ORGANIC ALLUVIUM
					Sampled Date	25/04/2017	26/04/2017	26/04/2017	26/04/2017	26/04/2017	11/04/2017	11/04/2017	11/04/2017	07/11/2017	24/04/2017	24/04/2017	20/04/2017	20/04/2017	19/04/2017	10/04/2017	10/04/2017	17/04/2017	05/04/2017	12/04/2017
Telodrin	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane (H	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
Isodrin	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
Heptachlor epoxide	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
Triadimefon	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
Pendimethalin	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
o,p-DDE	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
Endosulphan I	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
Trans-chlordane	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
cis-Chlordane	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
p,p-DDE	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
Dieldrin	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
o,p'-DDD (TDE)	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
Endrin	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
o,p-DDT	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
p,p-TDE (DDD)	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
Endosulphan II	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
p,p-DDT	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
o,p-Methoxychlor	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
p,p-Methoxychlor	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
Endosulphan sulphate	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
Permethrin I	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
Permethrin II	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	<50	-	-	-	-	-	-	-	-	-	-

					Sample ID	TP302	TP303	TP304	TP310	TP310	BH331	BH348	TP363	TP363	TP363	TP363A	TP363A	TP363A	TP378	TP378	TP379	TP379	TP379	BH320
					Depth	0.30	0.50	0.40	0.30	0.80	4.30	4.50	0.70	1.50	2.10	0.70-0.70	1.50-1.50	2.10-2.10	0.50	2.30	0.70	1.80	3.00	0.30
					Scheme Area	1A	1B	1B	1B	1B	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4A
					Relevant design feature	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	South Hinksey
					Material	ALLUVIUM	ALLUVIUM	ALLUVIUM	MADE GROUND - OTHER	ALLUVIUM	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	MADE GROUND - OTHER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	ALLUVIUM
					Sampled Date	18/05/2017	12/04/2017	12/04/2017	27/04/2017	27/04/2017	10/05/2017	08/05/2017	05/05/2017	05/05/2017	05/05/2017	07/11/2017	07/11/2017	07/11/2017	09/05/2017	09/05/2017	05/05/2017	05/05/2017	05/05/2017	19/04/2017
Test	**Units**	**Max**	**Location of max**	**Strata**	**Criteria**																			
Fraction Organic Carbon	None	0.2	TP373A	0		0.005	0.004	0.005	0.004	0.013	-	-	-	-	-	0.01	0.04	0.01	-	-	-	-	-	0.024
Moisture Content 105C (% Dry Weight)	%	192.3	TP379	LANDFILL MATERIAL		7.9	25	16.8	13.5	41.9	14.4	24.3	27.10	37.90	19.60				19.00	47.70	48.80	85.10	192.30	42.4
Dry Matter Content Ratio 105°C	%	92.7	TP302	ALLUVIUM		92.7	80	85.6	88.1	70.5	87.4	80.5	78.70	72.50	83.60				84.00	67.70	67.20	54.00	34.20	70.2
Sulphate as SO4 (2:1 Ext) #M	g/l	1.4	BH337A	0		0.0122	0.0046	0.0111	0.0426	0.0257	-	-	-	-	-	0.05	0.39	0.04	-	-	-	-	-	0.0048
Metals																								
Arsenic #M	mg/kg	193.3	BH365FH	RIVER TERRACE DEPOSITS	170	12.5	54.4	30.3	13.9	16.4	-	-	-	-	-	20.20	34.10	11.50	-	-	-	-	-	15.8
Cadmium #M	mg/kg	16.7	TP374A	LANDFILL MATERIAL	532	<0.1	<0.1	<0.1	0.3	0.4	-	-	-	-	-	0.53	6.79	0.40	-	-	-	-	-	0.2
Chromium #M	mg/kg	416.0	TP373A	0	33000	23.6	70.8	32.3	32.9	63.6	-	-	-	-	-	7.82	12.60	9.91	-	-	-	-	-	61.2
Hexavalent Chromium #	mg/kg	2.7	TP360A	LANDFILL LINER	220	<0.3	<0.3	<0.3	<0.3	<0.3	-	-	-	-	-	<0.6	<0.6	<0.6	-	-	-	-	-	<0.3
Copper #M	mg/kg	22,600.0	TP360A	LANDFILL LINER	44000	5	6	7	12	16	-	-	-	-	-	32.30	805.00	10.30	-	-	-	-	-	19
Lead #M	mg/kg	2,000.0	TP373A	0	630	26	23	18	53	29	-	-	-	-	-	136.00	221.00	11.90	-	-	-	-	-	172
Mercury #M	mg/kg	4.1	TP373A	0	30	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	0.89	1.09	0.36	-	-	-	-	-	<0.1
Nickel #M	mg/kg	95.9	TP362A	LANDFILL MATERIAL	3400	13.4	48.3	23.1	16.6	44	-	-	-	-	-	19.00	71.70	11.10	-	-	-	-	-	27.7
Water Soluble Boron #M	mg/kg	71.5	TP362A	LANDFILL MATERIAL	46000	0.7	1.4	1	0.7	3.3	-	-	-	-	-	9.41	39.70	8.20	-	-	-	-	-	3.1
Zinc #M	mg/kg	6,250.0	TP373A	0		38	100	67	76	142	-	-	-	-	-	148.00	1,660.00	74.20	-	-	-	-	-	99
PAH MS																								
Acenaphthene #M	mg/kg	0.9	BH302	MADE GROUND - OTHER	29000	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
Acenaphthylene	mg/kg	8.4	BH302	MADE GROUND - OTHER	29000	<0.03	<0.03	<0.03	0.29	<0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06
Anthracene #	mg/kg	13.4	BH302	MADE GROUND - OTHER	150000	<0.04	<0.04	<0.04	0.4	<0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	0.07
Benzo(a)anthracene #	mg/kg	19.5	BH302	MADE GROUND - OTHER	49	<0.06	<0.06	<0.06	1.23	0.11	-	-	-	-	-	-	-	-	-	-	-	-	-	0.25
Benzo(a)pyrene #	mg/kg	16.3	BH302	MADE GROUND - OTHER	11	<0.04	<0.04	<0.04	1.59	0.08	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15
Benzo(b)fluoranthene	mg/kg	19.0	BH302	MADE GROUND - OTHER	13	<0.05	<0.05	<0.05	1.81	0.08	-	-	-	-	-	-	-	-	-	-	-	-	-	0.21
Benzo(ghi)perylene #	mg/kg	9.4	BH302	MADE GROUND - OTHER	1400	<0.04	<0.04	<0.04	1.01	<0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Benzo(k)fluoranthene	mg/kg	7.4	BH302	MADE GROUND - OTHER	370	<0.02	<0.02	<0.02	0.71	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	0.08
Chrysene #M	mg/kg	19.4	BH302	MADE GROUND - OTHER	93	0.02	0.03	<0.02	1.33	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.22
Dibenzo(ah)anthracene #	mg/kg	2.7	BH302	MADE GROUND - OTHER	1.1	<0.04	<0.04	<0.04	0.23	<0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.04
Fluoranthene #M	mg/kg	49.8	BH302	MADE GROUND - OTHER	6300	<0.03	<0.03	<0.03	2.15	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.33
Fluorene #M	mg/kg	2.4	BH302	MADE GROUND - OTHER	20000	<0.04	<0.04	<0.04	0.06	<0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.04
Indeno(123cd)pyrene #M	mg/kg	10.2	BH302	MADE GROUND - OTHER	150	<0.04	<0.04	<0.04	1.06	<0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	0.08
Naphthalene #M	mg/kg	4.4	BH302	MADE GROUND - OTHER	1200	<0.04	<0.04	<0.04	0.08	<0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.04
Phenanthrene #M	mg/kg	52.0	BH302	MADE GROUND - OTHER	6200	<0.03	<0.03	<0.03	0.63	0.06	-	-	-	-	-	-	-	-	-	-	-	-	-	0.29
Pyrene #	mg/kg	37.6	BH302	MADE GROUND - OTHER	150000	<0.03	<0.03	<0.03	1.95	0.08	-	-	-	-	-	-	-	-	-	-	-	-	-	0.29
PAH 16 Total	mg/kg	272.7	BH302	MADE GROUND - OTHER		<0.6	<0.6	<0.6	14.5	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	2.1
PAH Surrogate % Recovery	%					99	99	103	117	107	-	-	-	-	-	-	-	-	-	-	-	-	-	87
Benzo(bk)fluoranthene #M	mg/kg	108.0	CPT301-IP	0		<0.07	<0.07	<0.07	2.52	0.11	-	-	-	-	-	-	-	-	-	-	-	-	-	0.29
Acenaphthene	µg/kg	11,400.0	TP363A	LANDFILL MATERIAL	29,000,000	-	-	-	-	-	-	-	-	-	-	19.80	1,990.00	11,400.00	-	-	-	-	-	-
Acenaphthylene	µg/kg	2,230.0	TP363A	LANDFILL MATERIAL	29,000,000	-	-	-	-	-	-	-	-	-	-	54.60	53.50	2,230.00	-	-	-	-	-	-
Anthracene	µg/kg	24,100.0	TP363A	LANDFILL MATERIAL	150,000,000	-	-	-	-	-	-	-	-	-	-	111.00	415.00	24,100.00	-	-	-	-	-	-
Benz(a)anthracene	µg/kg	59,700.0	TP363A	LANDFILL MATERIAL	49,000	-	-	-	-	-	-	-	-	-	-	468.00	664.00	59,700.00	-	-	-	-	-	-
Benzo(a)pyrene	µg/kg	67,000.0	TP363A	LANDFILL MATERIAL	11,000	-	-	-	-	-	-	-	-	-	-	555.00	748.00	67,000.00	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/kg	88,900.0	TP363A	LANDFILL MATERIAL	13,000	-	-	-	-	-	-	-	-	-	-	706.00	886.00	88,900.00	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/kg	34,800.0	TP363A	LANDFILL MATERIAL	1,400,000	-	-	-	-	-	-	-	-	-	-	395.00	509.00	34,800.00	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/kg	29,000.0	TP363A	LANDFILL MATERIAL	370,000	-	-	-	-	-	-	-	-	-	-	244.00	392.00	29,000.00	-	-	-	-	-	-
Chrysene	µg/kg	52,300.0	TP363A	LANDFILL MATERIAL	93,000	-	-	-	-	-	-	-	-	-	-	452.00	600.00	52,300.00	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/kg	11,100.0	TP363A	LANDFILL MATERIAL	1,100	-	-	-	-	-	-	-	-	-	-	81.60	129.00	11,100.00	-	-	-	-	-	-
Fluoranthene	µg/kg	128,000.0	TP363A	LANDFILL MATERIAL	6,300,000	-	-	-	-	-	-	-	-	-	-	801.00	1,500.00	128,000.00	-	-	-	-	-	-
Fluorene	µg/kg	12,800.0	TP363A	LANDFILL MATERIAL	20,000,000	-	-	-	-	-	-	-	-	-	-	26.60	782.00	12,800.00	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/kg	34,000.0	TP363A	LANDFILL MATERIAL	150,000	-	-	-	-	-	-	-	-	-	-	331.00	391.00	34,000.00	-	-	-	-	-	-
Naphthalene	µg/kg	3,880.0	TP363A	LANDFILL MATERIAL	1,200,000	-	-	-	-	-	-	-	-	-	-	25.00	3,880.00	365.00	-	-	-	-	-	-

					Sample ID	TP302	TP303	TP304	TP310	TP310	BH331	BH348	TP363	TP363	TP363	TP363A	TP363A	TP363A	TP378	TP378	TP379	TP379	TP379	BH320
					Depth	0.30	0.50	0.40	0.30	0.80	4.30	4.50	0.70	1.50	2.10	0.70-0.70	1.50-1.50	2.10-2.10	0.50	2.30	0.70	1.80	3.00	0.30
					Scheme Area	1A	1B	1B	1B	1B	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4A
					Relevant design feature	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	South Hinksey
					Material	ALLUVIUM	ALLUVIUM	ALLUVIUM	MADE GROUND - OTHER	ALLUVIUM	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	MADE GROUND - OTHER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	ALLUVIUM
					Sampled Date	18/05/2017	12/04/2017	12/04/2017	27/04/2017	27/04/2017	10/05/2017	08/05/2017	05/05/2017	05/05/2017	05/05/2017	07/11/2017	07/11/2017	07/11/2017	09/05/2017	09/05/2017	05/05/2017	05/05/2017	05/05/2017	19/04/2017
Phenanthrene	µg/kg	71,500.0	TP363A	LANDFILL MATERIAL	6,200,000	-	-	-	-	-	-	-	-	-	-	278.00	1,110.00	71,500.00	-	-	-	-	-	-
Pyrene	µg/kg	84,300.0	TP363A	LANDFILL MATERIAL	150,000,000	-	-	-	-	-	-	-	-	-	-	681.00	686.00	84,300.00	-	-	-	-	-	-
PAH, Total Detected USEPA 16	µg/kg	712,000.0	TP363A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	5,230.00	14,700.00	712,000.00	-	-	-	-	-	-
TPH CWG																								
Aliphatics																								
>C5-C6 #M	mg/kg	0.0	N/A	N/A	95,000.00	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
>C6-C8 #M	mg/kg	0.2	TP359	LANDFILL MATERIAL	150,000.00	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
>C8-C10	mg/kg	28.3	TP373	LANDFILL MATERIAL	14,000.00	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	0.80	0.70	-	-	-	<0.1	1.50	<0.1	<0.1	<0.2	<0.1
>C10-C12 #M	mg/kg	126.7	TP373	LANDFILL MATERIAL	21,000.00	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	29.80	12.20	-	-	-	<0.2	42.90	4.50	6.30	4.70	<0.2
>C12-C16 #M	mg/kg	84.0	TP378	MADE GROUND - OTHER	25,000.00	<4	<4	<4	<4	<4	<4	7	<4	82.00	47.00	-	-	-	<4	84.00	14.00	14.00	11.00	<4
>C16-C21 #M	mg/kg	429.0	TP378	MADE GROUND - OTHER	450,000.00	<7	<7	<7	<7	<7	<7	13	33.00	287.00	257.00	-	-	-	<7	429.00	70.00	84.00	56.00	<7
>C21-C35 #M	mg/kg	8,339.0	TP373	LANDFILL MATERIAL	45,000.00	<7	<7	<7	<7	<7	<7	<7	266.00	1,113.00	187.00	-	-	-	<7	2,147.00	522.00	552.00	300.00	<7
Aliphatics >C5-C6	µg/kg	64.0	TP374A	LANDFILL MATERIAL	95,000,000.00	-	-	-	-	-	-	-	-	-	-	<10	13.20	14.40	-	-	-	-	-	-
Aliphatics >C6-C8	µg/kg	568.0	TP363A	LANDFILL MATERIAL	150,000,000.00	-	-	-	-	-	-	-	-	-	-	<10	27.80	568.00	-	-	-	-	-	-
Aliphatics >C8-C10	µg/kg	1,010.0	TP374A	LANDFILL MATERIAL	14,000,000.00	-	-	-	-	-	-	-	-	-	-	10.60	290.00	191.00	-	-	-	-	-	-
Aliphatics >C10-C12	µg/kg	1,210.0	TP359A	LANDFILL MATERIAL	21,000,000.00	-	-	-	-	-	-	-	-	-	-	<10	283.00	371.00	-	-	-	-	-	-
Aliphatics >C12-C16	µg/kg	189,000.0	TP373A	0	25,000,000.00	-	-	-	-	-	-	-	-	-	-	<100	6,490.00	36,900.00	-	-	-	-	-	-
Aliphatics >C16-C21	µg/kg	154,000.0	TP359A	LANDFILL MATERIAL	450,000,000.00	-	-	-	-	-	-	-	-	-	-	<100	35,300.00	78,000.00	-	-	-	-	-	-
Aliphatics >C21-C35	µg/kg	9,190,000.0	TP373A	0	45,000,000.00	-	-	-	-	-	-	-	-	-	-	27,900.00	271,000.00	548,000.00	-	-	-	-	-	-
Aliphatics >C35-C44	µg/kg	1,370,000.0	TP373A	0	95,000,000,000.00	-	-	-	-	-	-	-	-	-	-	2,950.00	31,500.00	447,000.00	-	-	-	-	-	-
Total Aliphatics >C12-C44	µg/kg	10,800,000.0	TP373A	0	95,000,000,000.00	-	-	-	-	-	-	-	-	-	-	30,800.00	345,000.00	1,110,000.00	-	-	-	-	-	-
Aromatics																								
>C5-EC7 #	mg/kg	0.0	N/A	N/A	76000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
>EC7-EC8 #	mg/kg	0.0	N/A	N/A	87000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
>EC8-EC10 #M	mg/kg	0.0	N/A	N/A	7200	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
>EC10-EC12 #	mg/kg	16.0	TP373	LANDFILL MATERIAL	9200	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	10.80	<0.2				<0.2	6.80	<0.2	<0.2	<0.2	<0.2
>EC12-EC16 #	mg/kg	125.0	TP363	LANDFILL MATERIAL	10000	<4	<4	<4	<4	<4	<4	<4	<4	125.00	28.00				<4	19.00	<4	<4	6.00	<4
>EC16-EC21 #	mg/kg	802.0	TP363	LANDFILL MATERIAL	7600	<7	<7	<7	17	<7	<7	<7	80.00	802.00	205.00				<7	224.00	74.00	79.00	70.00	<7
>EC21-EC35 #	mg/kg	3,721.0	TP373	LANDFILL MATERIAL	7800	<7	<7	<7	117	<7	<7	<7	296.00	2,167.00	505.00				104.00	1,549.00	714.00	575.00	354.00	<7
Aromatics >EC5-EC7	µg/kg	16.3	TP359A	LANDFILL MATERIAL	76,000,000	-	-	-	-	-	-	-	-	-	-	<10	<10	<10	-	-	-	-	-	-
Aromatics >EC7-EC8	µg/kg	273.0	TP363A	LANDFILL MATERIAL	87,000,000	-	-	-	-	-	-	-	-	-	-	<10	<10	273.00	-	-	-	-	-	-
Aromatics >EC8-EC10	µg/kg	737.0	TP359A	LANDFILL MATERIAL	7,200,000	-	-	-	-	-	-	-	-	-	-	<10	220.00	241.00	-	-	-	-	-	-
Aromatics >EC10-EC12	µg/kg	806.0	TP359A	LANDFILL MATERIAL	9,200,000	-	-	-	-	-	-	-	-	-	-	<10	189.00	246.00	-	-	-	-	-	-
Aromatics >EC12-EC16	µg/kg	54,000.0	TP363A	LANDFILL MATERIAL	10,000,000	-	-	-	-	-	-	-	-	-	-	640.00	7,560.00	54,000.00	-	-	-	-	-	-
Aromatics >EC16-EC21	µg/kg	265,000.0	TP363A	LANDFILL MATERIAL	7,600,000	-	-	-	-	-	-	-	-	-	-	7,500.00	32,700.00	265,000.00	-	-	-	-	-	-
Aromatics >EC21-EC35	µg/kg	1,390,000.0	TP363A	LANDFILL MATERIAL	7,800,000	-	-	-	-	-	-	-	-	-	-	59,200.00	186,000.00	1,390,000.00	-	-	-	-	-	-
Aromatics >EC35-EC44	µg/kg	816,000.0	TP363A	LANDFILL MATERIAL	7,800,000	-	-	-	-	-	-	-	-	-	-	18,100.00	43,500.00	816,000.00	-	-	-	-	-	-
Aromatics >EC40-EC44	µg/kg	346,000.0	TP363A	LANDFILL MATERIAL	7,800,000	-	-	-	-	-	-	-	-	-	-	6,060.00	13,800.00	346,000.00	-	-	-	-	-	-
Total Aromatics >EC12-EC44	µg/kg	2,530,000.0	TP363A	LANDFILL MATERIAL	7,800,000	-	-	-	-	-	-	-	-	-	-	85,500.00	269,000.00	2,530,000.00	-	-	-	-	-	-
TPH CWG																								
Aliphatics																								
Total aliphatics C5-35	mg/kg	8,811.0	TP373	LANDFILL MATERIAL		<19	<19	<19	<19	<19	<19	20	299.00	1,513.00	504.00	-	-	-	<19	2,704.00	611.00	656.00	372.00	<19
Total Aliphatics >C12-C44	µg/kg	10,800,000.0	TP373A	0		-	-	-	-	-	-	-	-	-	-	30,800.00	345,000.00	1,110,000.00	-	-	-	-	-	-
Aromatics																								
Total aromatics C5-35 #	mg/kg	4,065.0	TP373	LANDFILL MATERIAL		<19	<19	<19	134	<19	<19	<19	376.00	3,105.00	738.00	-		-	104.00	1,799.00	788.00	654.00	430.00	<19
Total Aromatics >EC12-EC44	µg/kg	2,530,000.0	TP363A	LANDFILL MATERIAL		-	-	-	-	-	-	-				85,500.00	269,000.00	2,530,000.00	-	-	-	-	-	-
Total aliphatics and aromatics(C5-35)	mg/kg	12,876.0	TP373	LANDFILL MATERIAL		<38	<38	<38	134	<38	<38	<38	675.00	4,618.00	1,242.00				104.00	4,503.00	1,399.00	1,310.00	802.00	<38
Total Aliphatics & Aromatics >C5-C44	µg/kg	11,700,000.0	TP373A	0		-	-	-	-	-	-	-				116,000.00	670,000.00	3,640,000.00	-	-	-	-	-	-

					Sample ID	TP302	TP303	TP304	TP310	TP310	BH331	BH348	TP363	TP363	TP363	TP363A	TP363A	TP363A	TP378	TP378	TP379	TP379	TP379	BH320
					Depth	0.30	0.50	0.40	0.30	0.80	4.30	4.50	0.70	1.50	2.10	0.70-0.70	1.50-1.50	2.10-2.10	0.50	2.30	0.70	1.80	3.00	0.30
					Scheme Area	1A	1B	1B	1B	1B	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4A
					Relevant design feature	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	South Hinksey
					Material	ALLUVIUM	ALLUVIUM	ALLUVIUM	MADE GROUND - OTHER	ALLUVIUM	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	MADE GROUND - OTHER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	ALLUVIUM
					Sampled Date	18/05/2017	12/04/2017	12/04/2017	27/04/2017	27/04/2017	10/05/2017	08/05/2017	05/05/2017	05/05/2017	05/05/2017	07/11/2017	07/11/2017	07/11/2017	09/05/2017	09/05/2017	05/05/2017	05/05/2017	05/05/2017	19/04/2017
MTBE #	ug/kg	0.0	N/A	N/A		<5	<5	<5	<5	<5	-	-				<5	<5	<5	-	-	-	-	-	<5
Benzene #	ug/kg	16.3	TP359A	LANDFILL MATERIAL	90	<5	<5	<5	<5	<5	-	-				<10	<10	<10	-	-	-	-	-	<5
Toluene #	ug/kg	273.0	TP363A	LANDFILL MATERIAL	87000	<5	<5	<5	<5	<5	-	-				4.72	7.33	273.00	-	-	-	-	-	<5
Ethylbenzene #	ug/kg	35.5	TP363A	LANDFILL MATERIAL	17000	<5	<5	<5	<5	<5	-	-				<3	4.40	35.50	-	-	-	-	-	<5
m/p-Xylene #	ug/kg	101.0	TP359A	LANDFILL MATERIAL	17000	<5	<5	<5	<5	<5	-	-				<6	13.20	51.10	-	-	-	-	-	<5
o-Xylene #	ug/kg	35.6	TP359A	LANDFILL MATERIAL	17000	<5	<5	<5	<5	<5	-	-				<3	8.79	26.60	-	-	-	-	-	<5
Total Phenols HPLC	mg/kg	3.4	BH369	RIVER TERRACE DEPOSITS		<0.15	<0.15	<0.15	<0.15	<0.15	-	-				<0.01	<0.1	<0.05	-	-	-	-	-	<0.15
-tural Moisture Content	%	112.9	TP373	LANDFILL MATERIAL		4.8	22.2	9.5	6.6	26.4	9.3	11.6	39.50	58.50	73.60				13.00	33.10	39.50	57.60	20.10	22.6
-tural Moisture Content	%	29.5	BH334	MADE GROUND - A423 EMBANKMENT					-	-	-													-
pH #M	pH units	11.9	TP363A	LANDFILL MATERIAL		8.7	8.23	8.5	8.77	8.39	-					7.99	7.22	11.90	-	-	-	-	-	8.27
Sample Type	None	0.0	N/A	N/A		Silt	Clay	Clay	Sand	Clay	Sand	Sand	Loam	Loam	Loam	Sandy Loam	Loamy Sand	Stone/Soil	Loamy Sand	Loam	Clayey Loam	Clayey Loam	Sandy Loam	Clay
Sample Colour	None	0.0	N/A	N/A		Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Light Brown	Light Brown	Medium Brown	Medium Brown	Dark Brown	Dark Brown	Dark Brown	Black	Medium Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Medium Brown
Other Items	None	0.0	N/A	N/A		stones	stones	stones	stones	'-	stones	stones	stones, roots, vegetation, glass	stones, roots, vegetation	stones, roots, glass	Stones	Glass & Stones	Stones	stones, glass	stones, glass	stones, glass, vegetation	stones, vegetation, clinker, glass	stones, vegetation, clinker, glass	roots
Moisture Content*	%	151.0	TP344	ORGANIC ALLUVIUM		NDP	25.3	14.8	NDP	51.2	-		-	-	-	-	-	-	-	-	-	-	-	37.6
Bulk Density*	mg/m3	2.1	BH369	MADE GROUND - A423 EMBANKMENT		NDP	1.72	1.92	NDP	1.63	-		-	-	-	-	-	-	-	-	-	-	-	1.74
Dry Density*	mg/m3	1.8	TP314	MADE GROUND - OTHER		NDP	1.37	1.67	NDP	1.08	-		-	-	-	-	-	-	-	-	-	-	-	1.26
Asbestos																								
General Description (Bulk A'-lysis)	None	0.0	N/A	N/A		soil-stones	soil-stones	soil-stones	soil/stones	soil/stones	-	-							-	-				Soil/Stone
Asbestos Fibres	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	NAD	-	-				NAD	NAD	NAD	-	-				NA
Asbestos Fibres (2)	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	NAD	-	-				NAD	NAD	NAD	-	-				NA
Asbestos ACM	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	NAD	-	-				NAD	NAD	NAD	-	-				NA
Asbestos ACM (2)	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	NAD	-	-				NAD	NAD	NAD	-	-				NA
Asbestos Type #	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	NAD	-	-				NAD	NAD	NAD	-	-				NA
Asbestos Type (2) #	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	NAD	-	-				NAD	NAD	NAD	-	-				NA
Asbestos Level Screen	None	0.0	N/A	N/A		NAD	NAD	NAD	NAD	NAD	-	-				NAD	NAD	NAD	-	-				NA
Mass of Dry Sample	g	56.9	BH365FH	RIVER TERRACE DEPOSITS		-	-	-	54.8	44.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Gravimetric Quantification	mass %	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos PCOM Quantification (Fibres)	mass %	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Gravimetric & PCOM Total	mass %	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Available Phosphorus (Index)	mg/l					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VOC MS																								
Dichlorodifluoromethane	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<2	<2	<2	<2	<2	<6	<60	<60	<2	<2	<2	<2	<2	-
Methyl Tertiary Butyl Ether #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<6	<6	<6	<6	<6	<10	<100	<100	<6	<6	<6	<6	<6	-
Chloromethane #	ug/kg	25.0	TP362	LANDFILL MATERIAL		-	-	-	-	-	<3	<3	<3	<3	<3	<7	<70	<70	<3	<3	<3	<3	<3	-
Vinyl Chloride	ug/kg	11.4	TP374A	LANDFILL MATERIAL		-	-	-	-	-	<2	<2	<2	<2	<2	<6	<60	<60	<2	3.00	<2	<2	<2	-
Bromomethane	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<1	<1	<1	<1	<1	<10	<100	<100	<1	<1	<1	<1	<1	-
Chloroethane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<6	<6	<6	<6	<6	<10	<100	<100	<6	<6	<6	<6	<6	-
Trichlorofluoromethane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<3	<3	<3	<3	<3	<6	<60	<60	<3	<3	<3	<3	<3	-
1,1-Dichloroethene (1,1 DCE) #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<6	<6	<6	<6	<6	<10	<100	<100	<6	<6	<6	<6	<6	-
Dichloromethane (DCM) #	ug/kg	477.0	TP363A	LANDFILL MATERIAL		-	-	-	-	-	<30	<30	170.00	<30	<30	<10	<100	477.00	<30	47.00	<30	164.00	<30	-
trans-1-2-Dichloroethene #	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<3	<3	<3	<3	<3	<10	<100	<100	<3	<3	<3	<3	<3	-
1,1-Dichloroethane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<6	<6	<6	<6	<6	<8	<80	<80	<6	<6	<6	<6	<6	-
cis-1-2-Dichloroethene #M	ug/kg	160.0	TP374A	LANDFILL MATERIAL		-	-	-	-	-	<7	<7	<7	<7	<7	<6	<60	<60	<7	13.00	<7	<7	<7	-
2,2-Dichloropropane	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<4	<4	<4	<4	<4	<10	<100	<100	<4	<4	<4	<4	<4	-
Bromochloromethane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<4	<4	<4	<4	<4	<10	<100	<100	<4	<4	<4	<4	<4	-
Chloroform #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<5	<5	<5	<5	<5	<8	<80	<80	<5	<5	<5	<5	<5	-
1,1,1-Trichloroethane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<5	<5	<5	<5	<5	<7	<70	<70	<5	<5	<5	<5	<5	-

					Sample ID	TP302	TP303	TP304	TP310	TP310	BH331	BH348	TP363	TP363	TP363	TP363A	TP363A	TP363A	TP378	TP378	TP379	TP379	TP379	BH320
					Depth	0.30	0.50	0.40	0.30	0.80	4.30	4.50	0.70	1.50	2.10	0.70-0.70	1.50-1.50	2.10-2.10	0.50	2.30	0.70	1.80	3.00	0.30
					Scheme Area	1A	1B	1B	1B	1B	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4A
					Relevant design feature	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	South Hinksey
					Material	ALLUVIUM	ALLUVIUM	ALLUVIUM	MADE GROUND - OTHER	ALLUVIUM	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	MADE GROUND - OTHER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	ALLUVIUM
					Sampled Date	18/05/2017	12/04/2017	12/04/2017	27/04/2017	27/04/2017	10/05/2017	08/05/2017	05/05/2017	05/05/2017	05/05/2017	07/11/2017	07/11/2017	07/11/2017	09/05/2017	09/05/2017	05/05/2017	05/05/2017	05/05/2017	19/04/2017
1,1-Dichloropropene [#]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<3	<3	<3	<3	<3	<10	<100	<100	<3	<3	<3	<3	<3	-
Carbon tetrachloride [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<4	<4	<4	<4	<4	<10	<100	<100	<4	<4	<4	<4	<4	-
1,2-Dichloroethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<5	<5	<5	<5	<5	<5	<50	<50	<5	<5	<5	<5	<5	-
Benzene [#M]	ug/kg	16.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	<5	<5	<5	<5	<5	<9	<90	<90	<5	<5	<5	<5	<5	-
Trichloroethene (TCE) [#M]	ug/kg	139.0	TP374A	LANDFILL MATERIAL		-	-	-	-	-	<5	<5	<5	<5	<5	<9	<90	<90	<5	16.00	<5	<5	<5	-
1,2-Dichloropropane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<4	<4	<4	<4	<4	<10	<100	<100	<4	<4	<4	<4	<4	-
Dibromomethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<4	<4	<4	<4	<4	<9	<90	<90	<4	<4	<4	<4	<4	-
Bromodichloromethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<4	<4	<4	<4	<4	<7	<70	<70	<4	<4	<4	<4	<4	-
cis-1-3-Dichloropropene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<4	<4	<4	<4	<4	<10	<100	<100	<4	<4	<4	<4	<4	-
Toluene [#M]	ug/kg	24.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	<3	<3	15.00	<3	<3	<7	<70	<70	<3	15.00	<3	14.00	6.00	-
trans-1-3-Dichloropropene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<3	<3	<3	<3	<3	<10	<100	<100	<3	<3	<3	<3	<3	-
1,1,2-Trichloroethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<4	<4	<4	<4	<4	<10	<100	<100	<4	<4	<4	<4	<4	-
Tetrachloroethene (PCE) [#]	ug/kg	847.0	TP374A	LANDFILL MATERIAL		-	-	-	-	-	<3	<3	<3	<3	<3	<5	<50	<50	59.00	101.00	<3	<3	<3	-
1,3-Dichloropropane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<4	<4	<4	<4	<4	<7	<70	<70	<4	<4	<4	<4	<4	-
Dibromochloromethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<5	<5	<5	<5	<5	<10	<100	<100	<5	<5	<5	<5	<5	-
1,2-Dibromoethane [#]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<3	<3	<3	<3	<3	<10	<100	<100	<3	<3	<3	<3	<3	-
Chlorobenzene [#M]	ug/kg	79.0	TP373	LANDFILL MATERIAL		-	-	-	-	-	<4	<4	<4	<4	<4	<5	<50	<50	<4	31.00	<4	<4	<4	-
1,1,1,2-Tetrachloroethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<5	<5	<5	<5	<5	<10	<100	<100	<5	<5	<5	<5	<5	-
Ethylbenzene [#M]	ug/kg	19.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	<3	<3	18.00	19.00	<3	<4	<40	<40	<3	11.00	<3	<3	<3	-
p/m-Xylene [#M]	ug/kg	95.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	<4	<4	32.00	89.00	21.00	<10	<100	<100	<4	17.00	6.00	17.00	6.00	-
o-Xylene [#M]	ug/kg	35.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	<4	<4	20.00	35.00	10.00	<10	<100	<100	<4	9.00	<4	8.00	<4	-
Styrene	ug/kg	28.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	<3	<3	<3	<3	<3	<10	<100	<100	<3	<3	<3	<3	<3	-
Bromoform	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<4	<4	<4	<4	<4	<10	<100	<100	<4	<4	<4	<4	<4	-
Isopropylbenzene [#]	ug/kg	62.0	TP373	LANDFILL MATERIAL		-	-	-	-	-	<3	<3	<3	13.00	7.00	<5	<50	<50	<3	<3	<3	<3	<3	-
1,1,2,2-Tetrachloroethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<3	<3	<3	<3	<3	<10	<100	<100	<3	<3	<3	<3	<3	-
Bromobenzene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<2	<2	<2	<2	<2	<10	<100	<100	<2	<2	<2	<2	<2	-
1,2,3-Trichloropropane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<4	<4	<4	<4	<4	<16	<160	<160	<4	<4	<4	<4	<4	-
Propylbenzene [#]	ug/kg	27.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	<4	<4	<4	27.00	19.00	<10	<100	<100	<4	<4	<4	<4	<4	-
2-Chlorotoluene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<3	<3	<3	<3	<3	<9	<90	<90	<3	<3	<3	<3	<3	-
1,3,5-Trimethylbenzene [#]	ug/kg	85.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	<3	<3	18.00	52.00	10.00	<8	<80	<80	<3	<3	6.00	9.00	<3	-
4-Chlorotoluene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<3	<3	<3	<3	<3	<10	<100	<100	<3	<3	<3	<3	<3	-
tert-Butylbenzene [#]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<5	<5	<5	<5	<5	<14	<140	<140	<5	<5	<5	<5	<5	-
1,2,4-Trimethylbenzene [#]	ug/kg	314.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	<6	<6	52.00	314.00	106.00	<9	<90	<90	<6	23.00	15.00	28.00	17.00	-
sec-Butylbenzene [#]	ug/kg	368.0	TP373	LANDFILL MATERIAL		-	-	-	-	-	<4	<4	<4	21.00	10.00	<10	<100	<100	<4	<4	<4	<4	<4	-
4-Isopropyltoluene [#]	ug/kg	2,879.0	TP362	LANDFILL MATERIAL		-	-	-	-	-	<4	<4	<4	90.00	14.00	<10	<100	<100	<4	19.00	<4	22.00	<4	-
1,3-Dichlorobenzene [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<4	<4	<4	<4	<4	<8	<80	<80	<4	<4	<4	<4	<4	-
1,4-Dichlorobenzene [#]	ug/kg	460.0	TP373	LANDFILL MATERIAL		-	-	-	-	-	<4	<4	<4	350.00	120.00	<5	<50	<50	<4	<4	<4	<4	<4	-
n-Butylbenzene [#]	ug/kg	25.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	<4	<4	<4	25.00	14.00	<11	<110	<110	<4	<4	<4	<4	<4	-
1,2-Dichlorobenzene [#M]	ug/kg	6.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	<4	<4	<4	6.00	<4	<10	<100	<100	<4	<4	<4	<4	<4	-
1,2-Dibromo-3-chloropropane [#]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<4	<4	<4	<4	<4	<14	<140	<140	<4	<4	<4	<4	<4	-
1,2,4-Trichlorobenzene [#]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<7	<7	<7	<7	<7	<20	<200	<200	<7	<7	<7	<7	<7	-
Hexachlorobutadiene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<4	<4	<4	<4	<4	<20	<200	<200	<4	<4	<4	<4	<4	-
Naphthalene	ug/kg	238.0	TP363A	LANDFILL MATERIAL							-	<27				<13	238.00	<130	-	-	-	-	-	
1,2,3-Trichlorobenzene [#]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<7	<7	<7	<7	<7	<20	<200	<200	<7	<7	<7	<7	<7	-
Surrogate Recovery Toluene D8	%					-	-	-	-	-	101	97	89.00	91.00	98.00	93.30	93.50	87.00	92.00	77.00	90.00	91.00	84.00	-
Surrogate Recovery 4-Bromofluorobenzene	%					-	-	-	-	-	116	111	77.00	91.00	103.00	80.60	86.10	80.40	91.00	75.00	87.00	80.00	72.00	-
Methyl Tertiary Butyl Ether [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<6	<6	<6	<6	<6	-	-	-	<6	<6	<6	<6	<6	-
Benzene [#M]	ug/kg	16.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	<5	<5	<5	<5	<5	-	-	-	<5	<5	<5	<5	<5	-
Toluene [#M]	ug/kg	24.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	<3	<3	15.00	<3	<3	-	-	-	<3	15.00	<3	14.00	6.00	-
Ethylbenzene [#M]	ug/kg	19.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	<3	<3	18.00	19.00	<3	-	-	-	<3	11.00	<3	<3	<3	-
p/m-Xylene [#M]	ug/kg	95.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	<4	<4	32.00	89.00	21.00	-	-	-	<4	17.00	6.00	17.00	6.00	-
o-Xylene [#M]	ug/kg	35.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	<4	<4	20.00	35.00	10.00	-	-	-	<4	9.00	<4	8.00	<4	-

					Sample ID	TP302	TP303	TP304	TP310	TP310	BH331	BH348	TP363	TP363	TP363	TP363A	TP363A	TP363A	TP378	TP378	TP379	TP379	TP379	BH320
					Depth	0.30	0.50	0.40	0.30	0.80	4.30	4.50	0.70	1.50	2.10	0.70-0.70	1.50-1.50	2.10-2.10	0.50	2.30	0.70	1.80	3.00	0.30
					Scheme Area	1A	1B	1B	1B	1B	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4A
					Relevant design feature	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	South Hinksey
					Material	ALLUVIUM	ALLUVIUM	ALLUVIUM	MADE GROUND - OTHER	ALLUVIUM	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	MADE GROUND - OTHER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	ALLUVIUM
					Sampled Date	18/05/2017	12/04/2017	12/04/2017	27/04/2017	27/04/2017	10/05/2017	08/05/2017	05/05/2017	05/05/2017	05/05/2017	07/11/2017	07/11/2017	07/11/2017	09/05/2017	09/05/2017	05/05/2017	05/05/2017	05/05/2017	19/04/2017
Surrogate Recovery Toluene D8	%					-	-	-	-	-	101	97	89.00	91.00	98.00	-	-	-	92.00	77.00	90.00	91.00	84.00	-
Surrogate Recovery 4-Bromofluorobenzene	%					-	-	-	-	-	116	111	77.00	91.00	103.00	-	-	-	91.00	75.00	87.00	80.00	72.00	-
SVOC MS																								
Phenols																								
2-Chlorophenol #M	ug/kg	0.0	N/A	N/A							<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
2-Methylphenol	ug/kg	37,500.0	TP363A	LANDFILL MATERIAL							<10	<10	<10	<10	<10	<100	37,500.00	<1000	<10	<10	<10	<10	<10	-
2-Nitrophenol	ug/kg	0.0	N/A	N/A							<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
2,4-Dichlorophenol #M	ug/kg	0.0	N/A	N/A							<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
2,4-Dimethylphenol	ug/kg	200.0	TP375	LANDFILL MATERIAL							<10	<10	<10	71.00	<10	<100	<200	<1000	<10	45.00	<10	<10	<10	-
2,4,5-Trichlorophenol	ug/kg	0.0	N/A	N/A							<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
2,4,6-Trichlorophenol	ug/kg	0.0	N/A	N/A							<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
4-Chloro-3-methylphenol	ug/kg	0.0	N/A	N/A							<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
4-Methylphenol	ug/kg	15,200.0	TP363A	LANDFILL MATERIAL							<10	<10	<10	458.00	<10	<100	15,200.00	<1000	14.00	161.00	80.00	<10	95.00	-
4-Nitrophenol	ug/kg	0.0	N/A	N/A							<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
Pentachlorophenol	ug/kg	0.0	N/A	N/A							<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
Phenol #M	ug/kg	71,300.0	TP363A	LANDFILL MATERIAL							<10	<10	<10	100.00	<10	<100	71,300.00	<1000	<10	<10	<10	<10	<10	-
PAHs																								
2-Chloro'-phthalene #M	ug/kg	43.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	<10	<10	<10	43.00	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
2-Methyl'-phthalene #M	ug/kg	1,763.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	<10	<10	<10	1,763.00	118.00	<100	717.00	<1000	15.00	39.00	27.00	22.00	17.00	-
-phthalene	ug/kg	1,400.0	TP363A	LANDFILL MATERIAL		-	-	-	-	-	<10	<10	21.00	788.00	57.00	<100	1,400.00	<1000	36.00	37.00	60.00	32.00	37.00	-
Ace'-phthylene	ug/kg	1,682.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	<10	<10	40.00	867.00	36.00	<100	<200	<1000	113.00	126.00	240.00	93.00	79.00	-
Ace'-phthene	ug/kg	7,757.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	<10	<10	56.00	7,757.00	847.00	<100	854.00	5,240.00	52.00	23.00	170.00	61.00	<10	-
Fluorene	ug/kg	7,803.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	<10	<10	49.00	7,803.00	859.00	<100	297.00	3,820.00	32.00	44.00	248.00	76.00	124.00	-
Phe'-nthrene #M	ug/kg	41,418.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	<10	<10	335.00	41,418.00	4,253.00	153.00	407.00	12,500.00	520.00	182.00	2,418.00	307.00	1,463.00	-
Anthracene	ug/kg	22,190.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	<10	<10	163.00	18,009.00	1,165.00	<100	<200	5,410.00	232.00	250.00	977.00	147.00	544.00	-
Fluoranthene #M	ug/kg	61,252.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	<10	<10	494.00	61,252.00	5,328.00	418.00	883.00	30,300.00	1,483.00	502.00	9,275.00	487.00	4,720.00	-
Pyrene #M	ug/kg	67,710.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	<10	<10	492.00	67,710.00	4,297.00	454.00	746.00	24,700.00	1,339.00	510.00	8,014.00	430.00	4,121.00	-
Benzo(a)anthracene	ug/kg	36,676.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	<10	<10	252.00	34,360.00	1,417.00	291.00	608.00	14,000.00	794.00	329.00	4,044.00	214.00	1,858.00	-
Chrysene	ug/kg	39,214.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	<10	<10	410.00	39,214.00	1,788.00	276.00	585.00	17,000.00	849.00	426.00	4,486.00	258.00	2,055.00	-
Benzo(bk)fluoranthene	ug/kg	62,614.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	<10	<10	502.00	60,758.00	2,752.00	-	-	-	1,566.00	779.00	7,924.00	449.00	3,396.00	-
Benzo(a)pyrene	ug/kg	33,730.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	<10	<10	251.00	33,730.00	1,429.00	320.00	586.00	22,900.00	954.00	346.00	4,231.00	290.00	1,864.00	-
Indeno(123cd)pyrene	ug/kg	20,257.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	<10	<10	159.00	19,935.00	811.00	281.00	513.00	19,200.00	589.00	341.00	2,535.00	243.00	1,057.00	-
Dibenzo(ah)anthracene	ug/kg	9,257.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	<10	<10	70.00	7,331.00	288.00	<100	<200	4,000.00	209.00	126.00	911.00	91.00	393.00	-
Benzo(ghi)perylene	ug/kg	21,352.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	<10	<10	206.00	21,352.00	934.00	272.00	404.00	14,400.00	701.00	461.00	2,737.00	260.00	1,201.00	-
Benzo(b)fluoranthene	ug/kg	45,082.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	<10	<10	361.00	43,746.00	1,981.00	274.00	467.00	24,000.00	1,128.00	561.00	5,705.00	323.00	2,445.00	-
Benzo(k)fluoranthene	ug/kg	17,532.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	<10	<10	141.00	17,012.00	771.00	251.00	407.00	14,800.00	438.00	218.00	2,219.00	126.00	951.00	-
Phthalates																								
Bis(2-ethylhexyl) phthalate	ug/kg	207,000.0	TP373A	0		-	-	-	-	-	<100	<100	844.00	<100	<100	<100	510.00	<1000	<100	16,912.00	1,103.00	1,904.00	727.00	-
Butylbenzyl phthalate	ug/kg	464.0	TP375A	LANDFILL MATERIAL		-	-	-	-	-	<100	<100	<100	<100	<100	<100	<200	<1000	<100	<100	<100	254.00	<100	-
Di-n-butyl phthalate	ug/kg	4,830.0	TP360A	LANDFILL MATERIAL		-	-	-	-	-	<100	<100	<100	<100	<100	<100	2,450.00	<1000	<100	<100	<100	258.00	<100	-
Di-n-Octyl phthalate	ug/kg	336.0	TP375A	LANDFILL MATERIAL		-	-	-	-	-	<100	<100	<100	<100	<100	<100	<200	<1000	<100	<100	<100	<100	<100	-
Diethyl phthalate	ug/kg	1,260.0	TP360A	LANDFILL MATERIAL		-	-	-	-	-	<100	<100	<100	<100	<100	<100	598.00	<1000	<100	<100	<100	<100	<100	-
Dimethyl phthalate #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<100	<100	<100	<100	<100	<100	<200	<1000	<100	<100	<100	<100	<100	-
Other SVOCs																								
1,2-Dichlorobenzene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
1,2,4-Trichlorobenzene #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
1,3-Dichlorobenzene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
1,4-Dichlorobenzene	ug/kg	2,427.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	<10	<10	301.00	2,427.00	177.00	<100	<200	<1000	<10	<10	<10	30.00	<10	-
2-Nitroaniline	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
2,4-Dinitrotoluene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
2,6-Dinitrotoluene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
3-Nitroaniline	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-

					Sample ID	TP302	TP303	TP304	TP310	TP310	BH331	BH348	TP363	TP363	TP363	TP363A	TP363A	TP363A	TP378	TP378	TP379	TP379	TP379	BH320
					Depth	0.30	0.50	0.40	0.30	0.80	4.30	4.50	0.70	1.50	2.10	0.70-0.70	1.50-1.50	2.10-2.10	0.50	2.30	0.70	1.80	3.00	0.30
					Scheme Area	1A	1B	1B	1B	1B	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4A
					Relevant design feature	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	South Hinksey
					Material	ALLUVIUM	ALLUVIUM	ALLUVIUM	MADE GROUND - OTHER	ALLUVIUM	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	MADE GROUND - OTHER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	ALLUVIUM
					Sampled Date	18/05/2017	12/04/2017	12/04/2017	27/04/2017	27/04/2017	10/05/2017	08/05/2017	05/05/2017	05/05/2017	05/05/2017	07/11/2017	07/11/2017	07/11/2017	09/05/2017	09/05/2017	05/05/2017	05/05/2017	05/05/2017	19/04/2017
4-Bromophenylphenylether [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
4-Chloroaniline	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
4-Chlorophenylphenylether	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
4-Nitroaniline	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
Azobenzene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
Bis(2-chloroethoxy)methane	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
Bis(2-chloroethyl)ether	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
Carbazole	ug/kg	7,430.0	TP375	LANDFILL MATERIAL		-	-	-	-	-	<10	<10	66.00	5,755.00	408.00	<100	<200	1,500.00	43.00	95.00	212.00	55.00	90.00	-
Dibenzofuran [#M]	ug/kg	3,091.0	TP363	LANDFILL MATERIAL		-	-	-	-	-	<10	<10	17.00	3,091.00	394.00	<100	<200	1,860.00	23.00	<10	70.00	20.00	35.00	-
Hexachlorobenzene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
Hexachlorobutadiene [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
Hexachlorocyclopentadiene	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
Hexachloroethane	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
Isophorone [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
N-nitrosodi-n-propylamine [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
Nitrobenzene [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-	<10	<10	<10	<10	<10	<100	<200	<1000	<10	<10	<10	<10	<10	-
PCBS																								
PCB 28 [#]	ug/kg	2,970.0	TP359A	LANDFILL MATERIAL		-	-	-	-	-	<5	<5	85.00	185.00	207.00	<3	485.00	<15	<5	109.00	24.00	162.00	178.00	-
PCB 52 [#]	ug/kg	784.0	TP374A	LANDFILL MATERIAL		-	-	-	-	-	<5	<5	36.00	38.00	42.00	<3	98.60	<15	<5	91.00	8.00	33.00	44.00	-
PCB 101 [#]	ug/kg	673.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	<5	<5	17.00	24.00	14.00	<3	60.70	<15	<5	79.00	<5	<5	7.00	-
PCB 118 [#]	ug/kg	646.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	<5	<5	13.00	27.00	10.00	<3	48.70	<15	<5	72.00	<5	8.00	<5	-
PCB 138 [#]	ug/kg	628.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	<5	<5	11.00	35.00	9.00	<3	39.60	<15	<5	79.00	<5	8.00	<5	-
PCB 153 [#]	ug/kg	402.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	<5	<5	7.00	24.00	<5	<3	31.20	<15	<5	53.00	<5	<5	<5	-
PCB 180 [#]	ug/kg	83.0	TP359	LANDFILL MATERIAL		-	-	-	-	-	<5	<5	<5	25.00	<5	<3	<15	<15	<5	21.00	<5	<5	<5	-
Total 7 PCBs [#]	ug/kg	4,030.0	TP359A	LANDFILL MATERIAL		-	-	-	-	-	<35	<35	169.00	358.00	282.00	<21	775.00	<105	<35	504.00	<35	211.00	229.00	-
PCB congener 81	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<3	<15	<15	-	-	-	-	-	-
PCB congener 77	µg/kg	83.8	TP359A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<3	<15	<15	-	-	-	-	-	-
PCB congener 123	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<3	<15	<15	-	-	-	-	-	-
PCB congener 114	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<3	<15	<15	-	-	-	-	-	-
PCB congener 105	µg/kg	74.1	TP359A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<3	21.30	<15	-	-	-	-	-	-
PCB congener 126	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<3	<15	<15	-	-	-	-	-	-
PCB congener 167	µg/kg	8.0	TP374A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<3	<15	<15	-	-	-	-	-	-
PCB congener 156	µg/kg	7.2	TP374A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<3	<15	<15	-	-	-	-	-	-
PCB congener 157	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<3	<15	<15	-	-	-	-	-	-
PCB congener 169	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<3	<15	<15	-	-	-	-	-	-
PCB congener 189	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<3	<15	<15	-	-	-	-	-	-
Sum of detected WHO 12 PCBs	µg/kg	294.0	TP359A	LANDFILL MATERIAL		-	-	-	-	-	-	-	-	-	-	<36	<180	<180	-	-	-	-	-	-
Combined Pesticides																								
Tec'-zene	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
Hexachlorobenzene	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
Trifluralin	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
Phorate	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
alpha-Hexachlorocyclohexane (I	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
Quintozene (PCNB)	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
Triallate	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
gamma-Hexachlorocyclohexane	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
Disulfoton	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
Heptachlor	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
Aldrin	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
Chlorothalonil	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-

					Sample ID	TP302	TP303	TP304	TP310	TP310	BH331	BH348	TP363	TP363	TP363	TP363A	TP363A	TP363A	TP378	TP378	TP379	TP379	TP379	BH320
					Depth	0.30	0.50	0.40	0.30	0.80	4.30	4.50	0.70	1.50	2.10	0.70-0.70	1.50-1.50	2.10-2.10	0.50	2.30	0.70	1.80	3.00	0.30
					Scheme Area	1A	1B	1B	1B	1B	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4A
					Relevant design feature	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	N. of Botley Rd.	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	South Hinksey
					Material	ALLUVIUM	ALLUVIUM	ALLUVIUM	MADE GROUND - OTHER	ALLUVIUM	RIVER TERRACE DEPOSITS	RIVER TERRACE DEPOSITS	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	MADE GROUND - OTHER	LANDFILL MATERIAL	LANDFILL MATERIAL	LANDFILL MATERIAL	ALLUVIUM
					Sampled Date	18/05/2017	12/04/2017	12/04/2017	27/04/2017	27/04/2017	10/05/2017	08/05/2017	05/05/2017	05/05/2017	05/05/2017	07/11/2017	07/11/2017	07/11/2017	09/05/2017	09/05/2017	05/05/2017	05/05/2017	05/05/2017	19/04/2017
Telodrin	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
beta-Hexachlorocyclohexane (H	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
Isodrin	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
Heptachlor epoxide	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
Triadimefon	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
Pendimethalin	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
o,p-DDE	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
Endosulphan I	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
Trans-chlordane	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
cis-Chlordane	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
p,p-DDE	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
Dieldrin	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
o,p'-DDD (TDE)	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
Endrin	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
o,p-DDT	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
p,p-TDE (DDD)	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
Endosulphan II	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
p,p-DDT	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
o,p-Methoxychlor	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
p,p-Methoxychlor	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
Endosulphan sulphate	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
Permethrin I	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-
Permethrin II	µg/kg	0.0	N/A	N/A		-	-	-	-	-	-	-	-	-	-	<50	<250	<250	-	-	-	-	-	-

					Sample ID	BH320	TP348	TP348R	TP348R	TP353
					Depth	0.60	0.20	0.80	2.00	0.10-0.20
					Scheme Area	4A	n/a	n/a	n/a	n/a
					Relevant design feature	South Hinksey	Outside scheme - MMA	Outside scheme - MMA	Outside scheme - MMA	Outside scheme - MMA
					Material	ALLUVIUM	TOPSOIL	SOLIFLUCTION DEPOSITS	SOLIFLUCTION DEPOSITS	TOPSOIL
					Sampled Date	19/04/2017	04/04/2017	11/04/2017	11/04/2017	04/04/2017
Test	**Units**	**Max**	**Location of max**	**Strata**	**Criteria**					
Fraction Organic Carbon	None	0.2	TP373A	0		0.009	0.012	0.001	<0.001	0.01
Moisture Content 105C (% Dry Weight)	%	192.3	TP379	LANDFILL MATERIAL		40.4	23.1	22.3	23.4	9.20
Dry Matter Content Ratio 105°C	%	92.7	TP302	ALLUVIUM		71.2	81.2	81.8	81	91.60
Sulphate as SO4 (2:1 Ext) #M	g/l	1.4	BH337A	0		0.0145	<0.0015	0.0213	0.0186	<0.0015
Metals										
Arsenic #M	mg/kg	193.3	BH365FH	RIVER TERRACE DEPOSITS	170	4.6	15.6	13.3	10.2	12.20
Cadmium #M	mg/kg	16.7	TP374A	LANDFILL MATERIAL	532	<0.1	0.2	<0.1	<0.1	0.30
Chromium #M	mg/kg	416.0	TP373A	0	33000	79.5	52	45.4	30.8	41.70
Hexavalent Chromium #	mg/kg	2.7	TP360A	LANDFILL LINER	220	<0.3	<0.3	<0.3	<0.3	<0.3
Copper #M	mg/kg	22,600.0	TP360A	LANDFILL LINER	44000	15	7	3	7	12.00
Lead #M	mg/kg	2,000.0	TP373A	0	630	20	24	10	8	29.00
Mercury #M	mg/kg	4.1	TP373A	0	30	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel #M	mg/kg	95.9	TP362A	LANDFILL MATERIAL	3400	26.1	26.1	21	18.7	22.50
Water Soluble Boron #M	mg/kg	71.5	TP362A	LANDFILL MATERIAL	46000	1.6	1.6	0.7	0.3	0.90
Zinc #M	mg/kg	6,250.0	TP373A	0		102	74	60	41	66.00
PAH MS										
Acenaphthene #M	mg/kg	0.9	BH302	MADE GROUND - OTHER	29000	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	mg/kg	8.4	BH302	MADE GROUND - OTHER	29000	<0.03	<0.03	<0.03	<0.03	<0.03
Anthracene #	mg/kg	13.4	BH302	MADE GROUND - OTHER	150000	<0.04	<0.04	<0.04	<0.04	<0.04
Benzo(a)anthracene #	mg/kg	19.5	BH302	MADE GROUND - OTHER	49	<0.06	<0.06	<0.06	<0.06	<0.06
Benzo(a)pyrene #	mg/kg	16.3	BH302	MADE GROUND - OTHER	11	<0.04	<0.04	<0.04	<0.04	<0.04
Benzo(b)fluoranthene	mg/kg	19.0	BH302	MADE GROUND - OTHER	13	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(ghi)perylene #	mg/kg	9.4	BH302	MADE GROUND - OTHER	1400	<0.04	<0.04	<0.04	<0.04	<0.04
Benzo(k)fluoranthene	mg/kg	7.4	BH302	MADE GROUND - OTHER	370	<0.02	<0.02	<0.02	<0.02	<0.02
Chrysene #M	mg/kg	19.4	BH302	MADE GROUND - OTHER	93	<0.02	<0.02	<0.02	<0.02	<0.02
Dibenzo(ah)anthracene #	mg/kg	2.7	BH302	MADE GROUND - OTHER	1.1	<0.04	<0.04	<0.04	<0.04	<0.04
Fluoranthene #M	mg/kg	49.8	BH302	MADE GROUND - OTHER	6300	<0.03	<0.03	<0.03	<0.03	<0.03
Fluorene #M	mg/kg	2.4	BH302	MADE GROUND - OTHER	20000	<0.04	<0.04	<0.04	<0.04	<0.04
Indeno(123cd)pyrene #M	mg/kg	10.2	BH302	MADE GROUND - OTHER	150	<0.04	<0.04	<0.04	<0.04	<0.04
Naphthalene #M	mg/kg	4.4	BH302	MADE GROUND - OTHER	1200	<0.04	<0.04	<0.04	<0.04	<0.04
Phenanthrene #M	mg/kg	52.0	BH302	MADE GROUND - OTHER	6200	<0.03	<0.03	<0.03	<0.03	<0.03
Pyrene #	mg/kg	37.6	BH302	MADE GROUND - OTHER	150000	<0.03	<0.03	<0.03	<0.03	<0.03
PAH 16 Total	mg/kg	272.7	BH302	MADE GROUND - OTHER		<0.6	<0.6	<0.6	<0.6	<0.6
PAH Surrogate % Recovery	%					90	104	96	99	95.00
Benzo(bk)fluoranthene #M	mg/kg	108.0	CPT301-IP	0		<0.07	<0.07	<0.07	<0.07	<0.07
Acenaphthene	µg/kg	11,400.0	TP363A	LANDFILL MATERIAL	29,000,000	-	-	-	-	-
Acenaphthylene	µg/kg	2,230.0	TP363A	LANDFILL MATERIAL	29,000,000	-	-	-	-	-
Anthracene	µg/kg	24,100.0	TP363A	LANDFILL MATERIAL	150,000,000	-	-	-	-	-
Benz(a)anthracene	µg/kg	59,700.0	TP363A	LANDFILL MATERIAL	49,000	-	-	-	-	-
Benzo(a)pyrene	µg/kg	67,000.0	TP363A	LANDFILL MATERIAL	11,000	-	-	-	-	-
Benzo(b)fluoranthene	µg/kg	88,900.0	TP363A	LANDFILL MATERIAL	13,000	-	-	-	-	-
Benzo(g,h,i)perylene	µg/kg	34,800.0	TP363A	LANDFILL MATERIAL	1,400,000	-	-	-	-	-
Benzo(k)fluoranthene	µg/kg	29,000.0	TP363A	LANDFILL MATERIAL	370,000	-	-	-	-	-
Chrysene	µg/kg	52,300.0	TP363A	LANDFILL MATERIAL	93,000	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/kg	11,100.0	TP363A	LANDFILL MATERIAL	1,100	-	-	-	-	-
Fluoranthene	µg/kg	128,000.0	TP363A	LANDFILL MATERIAL	6,300,000	-	-	-	-	-
Fluorene	µg/kg	12,800.0	TP363A	LANDFILL MATERIAL	20,000,000	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/kg	34,000.0	TP363A	LANDFILL MATERIAL	150,000	-	-	-	-	-
Naphthalene	µg/kg	3,880.0	TP363A	LANDFILL MATERIAL	1,200,000	-	-	-	-	-

					Sample ID	BH320	TP348	TP348R	TP348R	TP353
					Depth	0.60	0.20	0.80	2.00	0.10-0.20
					Scheme Area	4A	n/a	n/a	n/a	n/a
					Relevant design feature	South Hinksey	Outside scheme - MMA	Outside scheme - MMA	Outside scheme - MMA	Outside scheme - MMA
					Material	ALLUVIUM	TOPSOIL	SOLIFLUCTION DEPOSITS	SOLIFLUCTION DEPOSITS	TOPSOIL
					Sampled Date	19/04/2017	04/04/2017	11/04/2017	11/04/2017	04/04/2017
Phenanthrene	µg/kg	71,500.0	TP363A	LANDFILL MATERIAL	6,200,000	-	-	-	-	-
Pyrene	µg/kg	84,300.0	TP363A	LANDFILL MATERIAL	150,000,000	-	-	-	-	-
PAH, Total Detected USEPA 16	µg/kg	712,000.0	TP363A	LANDFILL MATERIAL		-	-	-	-	-
TPH CWG										
Aliphatics										
>C5-C6 #M	mg/kg	0.0	N/A	N/A	95,000.00	<0.1	<0.1	<0.1	<0.1	<0.1
>C6-C8 #M	mg/kg	0.2	TP359	LANDFILL MATERIAL	150,000.00	<0.1	<0.1	<0.1	<0.1	<0.1
>C8-C10	mg/kg	28.3	TP373	LANDFILL MATERIAL	14,000.00	<0.1	<0.1	<0.1	<0.1	<0.1
>C10-C12 #M	mg/kg	126.7	TP373	LANDFILL MATERIAL	21,000.00	<0.2	<0.2	<0.2	<0.2	<0.2
>C12-C16 #M	mg/kg	84.0	TP378	MADE GROUND - OTHER	25,000.00	<4	<4	<4	<4	<4
>C16-C21 #M	mg/kg	429.0	TP378	MADE GROUND - OTHER	450,000.00	<7	<7	<7	<7	<7
>C21-C35 #M	mg/kg	8,339.0	TP373	LANDFILL MATERIAL	45,000.00	<7	<7	<7	<7	<7
Aliphatics >C5-C6	µg/kg	64.0	TP374A	LANDFILL MATERIAL	95,000,000.00	-	-	-	-	-
Aliphatics >C6-C8	µg/kg	568.0	TP363A	LANDFILL MATERIAL	150,000,000.00	-	-	-	-	-
Aliphatics >C8-C10	µg/kg	1,010.0	TP374A	LANDFILL MATERIAL	14,000,000.00	-	-	-	-	-
Aliphatics >C10-C12	µg/kg	1,210.0	TP359A	LANDFILL MATERIAL	21,000,000.00	-	-	-	-	-
Aliphatics >C12-C16	µg/kg	189,000.0	TP373A	0	25,000,000.00	-	-	-	-	-
Aliphatics >C16-C21	µg/kg	154,000.0	TP359A	LANDFILL MATERIAL	450,000,000.00	-	-	-	-	-
Aliphatics >C21-C35	µg/kg	9,190,000.0	TP373A	0	45,000,000.00	-	-	-	-	-
Aliphatics >C35-C44	µg/kg	1,370,000.0	TP373A	0	95,000,000,000.00	-	-	-	-	-
Total Aliphatics >C12-C44	µg/kg	10,800,000.0	TP373A	0	95,000,000,000.00	-	-	-	-	-
Aromatics										
>C5-EC7 #	mg/kg	0.0	N/A	N/A	76000	<0.1	<0.1	<0.1	<0.1	<0.1
>EC7-EC8 #	mg/kg	0.0	N/A	N/A	87000	<0.1	<0.1	<0.1	<0.1	<0.1
>EC8-EC10 #M	mg/kg	0.0	N/A	N/A	7200	<0.1	<0.1	<0.1	<0.1	<0.1
>EC10-EC12 #	mg/kg	16.0	TP373	LANDFILL MATERIAL	9200	<0.2	<0.2	<0.2	<0.2	<0.2
>EC12-EC16 #	mg/kg	125.0	TP363	LANDFILL MATERIAL	10000	<4	<4	<4	<4	<4
>EC16-EC21 #	mg/kg	802.0	TP363	LANDFILL MATERIAL	7600	<7	<7	<7	<7	<7
>EC21-EC35 #	mg/kg	3,721.0	TP373	LANDFILL MATERIAL	7800	<7	<7	<7	<7	<7
Aromatics >EC5-EC7	µg/kg	16.3	TP359A	LANDFILL MATERIAL	76,000,000	-	-	-	-	-
Aromatics >EC7-EC8	µg/kg	273.0	TP363A	LANDFILL MATERIAL	87,000,000	-	-	-	-	-
Aromatics >EC8-EC10	µg/kg	737.0	TP359A	LANDFILL MATERIAL	7,200,000	-	-	-	-	-
Aromatics >EC10-EC12	µg/kg	806.0	TP359A	LANDFILL MATERIAL	9,200,000	-	-	-	-	-
Aromatics >EC12-EC16	µg/kg	54,000.0	TP363A	LANDFILL MATERIAL	10,000,000	-	-	-	-	-
Aromatics >EC16-EC21	µg/kg	265,000.0	TP363A	LANDFILL MATERIAL	7,600,000	-	-	-	-	-
Aromatics >EC21-EC35	µg/kg	1,390,000.0	TP363A	LANDFILL MATERIAL	7,800,000	-	-	-	-	-
Aromatics >EC35-EC44	µg/kg	816,000.0	TP363A	LANDFILL MATERIAL	7,800,000	-	-	-	-	-
Aromatics >EC40-EC44	µg/kg	346,000.0	TP363A	LANDFILL MATERIAL	7,800,000	-	-	-	-	-
Total Aromatics >EC12-EC44	µg/kg	2,530,000.0	TP363A	LANDFILL MATERIAL	7,800,000	-	-	-	-	-
TPH CWG										
Aliphatics										
Total aliphatics C5-35	mg/kg	8,811.0	TP373	LANDFILL MATERIAL		<19	<19	<19	<19	<19
Total Aliphatics >C12-C44	µg/kg	10,800,000.0	TP373A	0		-	-	-	-	-
Aromatics										
Total aromatics C5-35 #	mg/kg	4,065.0	TP373	LANDFILL MATERIAL		<19	<19	<19	<19	<19
Total Aromatics >EC12-EC44	µg/kg	2,530,000.0	TP363A	LANDFILL MATERIAL		-	-	-	-	-
Total aliphatics and aromatics(C5-35)	mg/kg	12,876.0	TP373	LANDFILL MATERIAL		<38	<38	<38	<38	<38
Total Aliphatics & Aromatics >C5-C44	µg/kg	11,700,000.0	TP373A	0		-	-	-	-	-

					Sample ID	BH320	TP348	TP348R	TP348R	TP353
					Depth	0.60	0.20	0.80	2.00	0.10-0.20
					Scheme Area	4A	n/a	n/a	n/a	n/a
					Relevant design feature	South Hinksey	Outside scheme - MMA	Outside scheme - MMA	Outside scheme - MMA	Outside scheme - MMA
					Material	ALLUVIUM	TOPSOIL	SOLIFLUCTION DEPOSITS	SOLIFLUCTION DEPOSITS	TOPSOIL
					Sampled Date	19/04/2017	04/04/2017	11/04/2017	11/04/2017	04/04/2017
MTBE #	ug/kg	0.0	N/A	N/A		<5	<5	<5	<5	<5
Benzene #	ug/kg	16.3	TP359A	LANDFILL MATERIAL	90	<5	<5	<5	<5	<5
Toluene #	ug/kg	273.0	TP363A	LANDFILL MATERIAL	87000	<5	<5	<5	<5	<5
Ethylbenzene #	ug/kg	35.5	TP363A	LANDFILL MATERIAL	17000	<5	<5	<5	<5	<5
m/p-Xylene #	ug/kg	101.0	TP359A	LANDFILL MATERIAL	17000	<5	<5	<5	<5	<5
o-Xylene #	ug/kg	35.6	TP359A	LANDFILL MATERIAL	17000	<5	<5	<5	<5	<5
Total Phenols HPLC	mg/kg	3.4	BH369	RIVER TERRACE DEPOSITS		<0.15	<0.15	<0.15	<0.15	<0.15
-tural Moisture Content	%	112.9	TP373	LANDFILL MATERIAL		43.8	15.7	18.3	20.4	12.80
-tural Moisture Content	%	29.5	BH334	MADE GROUND - A423 EMBANKMENT		-		-	-	
pH #M	pH units	11.9	TP363A	LANDFILL MATERIAL		8.21	7.59	8.32	8.43	7.66
Sample Type	None	0.0	N/A	N/A		Clay	Clay	Clay	Clay	Clayey Loam
Sample Colour	None	0.0	N/A	N/A		Medium Brown	Medium Brown	Medium Brown	Medium Brown	Dark Brown
Other Items	None	0.0	N/A	N/A		'-	sand, vegetation	roots	sand,	stones, roots
Moisture Content*	%	151.0	TP344	ORGANIC ALLUVIUM		55	22.7	21.2	21.3	10.00
Bulk Density*	mg/m3	2.1	BH369	MADE GROUND - A423 EMBANKMENT		1.64	1.88	1.94	2.02	2.01
Dry Density*	mg/m3	1.8	TP314	MADE GROUND - OTHER		1.06	1.53	1.6	1.67	1.83
Asbestos										
General Description (Bulk A'-lysis)	None	0.0	N/A	N/A		Soil/Stone	Soil-Silt/Clay/Brick/Stone	Soil/Stones	Soil/Stones	soil-stones
Asbestos Fibres	None	0.0	N/A	N/A		NA	NAD	NAD	NAD	NAD
Asbestos Fibres (2)	None	0.0	N/A	N/A		NA	NAD	NAD	NAD	NAD
Asbestos ACM	None	0.0	N/A	N/A		NA	NAD	NAD	NAD	NAD
Asbestos ACM (2)	None	0.0	N/A	N/A		NA	NAD	NAD	NAD	NAD
Asbestos Type #	None	0.0	N/A	N/A		NA	NAD	NAD	NAD	NAD
Asbestos Type (2) #	None	0.0	N/A	N/A		NA	NAD	NAD	NAD	NAD
Asbestos Level Screen	None	0.0	N/A	N/A		NA	NAD	NAD	NAD	NAD
Mass of Dry Sample	g	56.9	BH365FH	RIVER TERRACE DEPOSITS		-	-	-	-	-
Asbestos Gravimetric Quantification	mass %	0.0	N/A	N/A		-	-	-	-	-
Asbestos PCOM Quantification (Fibres)	mass %	0.0	N/A	N/A		-	-	-	-	-
Asbestos Gravimetric & PCOM Total	mass %	0.0	N/A	N/A		-	-	-	-	-
Available Phosphorus (Index)	mg/l					-	-	-	-	-
VOC MS										
Dichlorodifluoromethane	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Methyl Tertiary Butyl Ether #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Chloromethane #	ug/kg	25.0	TP362	LANDFILL MATERIAL		-	-	-	-	-
Vinyl Chloride	ug/kg	11.4	TP374A	LANDFILL MATERIAL		-	-	-	-	-
Bromomethane	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Chloroethane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Trichlorofluoromethane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-
1,1-Dichloroethene (1,1 DCE) #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Dichloromethane (DCM) #	ug/kg	477.0	TP363A	LANDFILL MATERIAL		-	-	-	-	-
trans-1-2-Dichloroethene #	ug/kg	0.0	N/A	N/A		-	-	-	-	-
1,1-Dichloroethane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-
cis-1-2-Dichloroethene #M	ug/kg	160.0	TP374A	LANDFILL MATERIAL		-	-	-	-	-
2,2-Dichloropropane	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Bromochloromethane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Chloroform #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-
1,1,1-Trichloroethane #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-

					Sample ID	BH320	TP348	TP348R	TP348R	TP353
					Depth	0.60	0.20	0.80	2.00	0.10-0.20
					Scheme Area	4A	n/a	n/a	n/a	n/a
					Relevant design feature	South Hinksey	Outside scheme - MMA	Outside scheme - MMA	Outside scheme - MMA	Outside scheme - MMA
					Material	ALLUVIUM	TOPSOIL	SOLIFLUCTION DEPOSITS	SOLIFLUCTION DEPOSITS	TOPSOIL
					Sampled Date	19/04/2017	04/04/2017	11/04/2017	11/04/2017	04/04/2017
1,1-Dichloropropene [#]	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Carbon tetrachloride [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-
1,2-Dichloroethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Benzene [#M]	ug/kg	16.0	TP359	LANDFILL MATERIAL		-	-	-	-	-
Trichloroethene (TCE) [#M]	ug/kg	139.0	TP374A	LANDFILL MATERIAL		-	-	-	-	-
1,2-Dichloropropane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Dibromomethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Bromodichloromethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-
cis-1-3-Dichloropropene	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Toluene [#M]	ug/kg	24.0	TP359	LANDFILL MATERIAL		-	-	-	-	-
trans-1-3-Dichloropropene	ug/kg	0.0	N/A	N/A		-	-	-	-	-
1,1,2-Trichloroethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Tetrachloroethene (PCE) [#]	ug/kg	847.0	TP374A	LANDFILL MATERIAL		-	-	-	-	-
1,3-Dichloropropane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Dibromochloromethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-
1,2-Dibromoethane [#]	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Chlorobenzene [#M]	ug/kg	79.0	TP373	LANDFILL MATERIAL		-	-	-	-	-
1,1,1,2-Tetrachloroethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Ethylbenzene [#M]	ug/kg	19.0	TP363	LANDFILL MATERIAL		-	-	-	-	-
p/m-Xylene [#M]	ug/kg	95.0	TP359	LANDFILL MATERIAL		-	-	-	-	-
o-Xylene [#M]	ug/kg	35.0	TP359	LANDFILL MATERIAL		-	-	-	-	-
Styrene	ug/kg	28.0	TP359	LANDFILL MATERIAL		-	-	-	-	-
Bromoform	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Isopropylbenzene [#]	ug/kg	62.0	TP373	LANDFILL MATERIAL		-	-	-	-	-
1,1,2,2-Tetrachloroethane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Bromobenzene	ug/kg	0.0	N/A	N/A		-	-	-	-	-
1,2,3-Trichloropropane [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Propylbenzene [#]	ug/kg	27.0	TP363	LANDFILL MATERIAL		-	-	-	-	-
2-Chlorotoluene	ug/kg	0.0	N/A	N/A		-	-	-	-	-
1,3,5-Trimethylbenzene [#]	ug/kg	85.0	TP359	LANDFILL MATERIAL		-	-	-	-	-
4-Chlorotoluene	ug/kg	0.0	N/A	N/A		-	-	-	-	-
tert-Butylbenzene [#]	ug/kg	0.0	N/A	N/A		-	-	-	-	-
1,2,4-Trimethylbenzene [#]	ug/kg	314.0	TP363	LANDFILL MATERIAL		-	-	-	-	-
sec-Butylbenzene [#]	ug/kg	368.0	TP373	LANDFILL MATERIAL		-	-	-	-	-
4-Isopropyltoluene [#]	ug/kg	2,879.0	TP362	LANDFILL MATERIAL		-	-	-	-	-
1,3-Dichlorobenzene [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-
1,4-Dichlorobenzene [#]	ug/kg	460.0	TP373	LANDFILL MATERIAL		-	-	-	-	-
n-Butylbenzene [#]	ug/kg	25.0	TP363	LANDFILL MATERIAL		-	-	-	-	-
1,2-Dichlorobenzene [#M]	ug/kg	6.0	TP363	LANDFILL MATERIAL		-	-	-	-	-
1,2-Dibromo-3-chloropropane [#]	ug/kg	0.0	N/A	N/A		-	-	-	-	-
1,2,4-Trichlorobenzene [#]	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Hexachlorobutadiene	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Naphthalene	ug/kg	238.0	TP363A	LANDFILL MATERIAL			-	-	-	-
1,2,3-Trichlorobenzene [#]	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Surrogate Recovery Toluene D8	%					-	-	-	-	-
Surrogate Recovery 4-Bromofluorobenzene	%					-	-	-	-	-
							-	-	-	-
Methyl Tertiary Butyl Ether [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Benzene [#M]	ug/kg	16.0	TP359	LANDFILL MATERIAL		-	-	-	-	-
Toluene [#M]	ug/kg	24.0	TP359	LANDFILL MATERIAL		-	-	-	-	-
Ethylbenzene [#M]	ug/kg	19.0	TP363	LANDFILL MATERIAL		-	-	-	-	-
p/m-Xylene [#M]	ug/kg	95.0	TP359	LANDFILL MATERIAL		-	-	-	-	-
o-Xylene [#M]	ug/kg	35.0	TP359	LANDFILL MATERIAL		-	-	-	-	-

					Sample ID	BH320	TP348	TP348R	TP348R	TP353
					Depth	0.60	0.20	0.80	2.00	0.10-0.20
					Scheme Area	4A	n/a	n/a	n/a	n/a
					Relevant design feature	South Hinksey	Outside scheme - MMA	Outside scheme - MMA	Outside scheme - MMA	Outside scheme - MMA
					Material	ALLUVIUM	TOPSOIL	SOLIFLUCTION DEPOSITS	SOLIFLUCTION DEPOSITS	TOPSOIL
					Sampled Date	19/04/2017	04/04/2017	11/04/2017	11/04/2017	04/04/2017
Surrogate Recovery Toluene D8	%					-	-	-	-	-
Surrogate Recovery 4-Bromofluorobenzene	%					-	-	-	-	-
SVOC MS										
Phenols										
2-Chlorophenol #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-
2-Methylphenol	ug/kg	37,500.0	TP363A	LANDFILL MATERIAL		-	-	-	-	-
2-Nitrophenol	ug/kg	0.0	N/A	N/A		-	-	-	-	-
2,4-Dichlorophenol #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-
2,4-Dimethylphenol	ug/kg	200.0	TP375	LANDFILL MATERIAL		-	-	-	-	-
2,4,5-Trichlorophenol	ug/kg	0.0	N/A	N/A		-	-	-	-	-
2,4,6-Trichlorophenol	ug/kg	0.0	N/A	N/A		-	-	-	-	-
4-Chloro-3-methylphenol	ug/kg	0.0	N/A	N/A		-	-	-	-	-
4-Methylphenol	ug/kg	15,200.0	TP363A	LANDFILL MATERIAL		-	-	-	-	-
4-Nitrophenol	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Pentachlorophenol	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Phenol #M	ug/kg	71,300.0	TP363A	LANDFILL MATERIAL		-	-	-	-	-
PAHs										
2-Chloro'-phthalene #M	ug/kg	43.0	TP363	LANDFILL MATERIAL		-	-	-	-	-
2-Methyl'-phthalene #M	ug/kg	1,763.0	TP363	LANDFILL MATERIAL		-	-	-	-	-
-phthalene	ug/kg	1,400.0	TP363A	LANDFILL MATERIAL		-	-	-	-	-
Ace'-phthylene	ug/kg	1,682.0	TP375	LANDFILL MATERIAL		-	-	-	-	-
Ace'-phthene	ug/kg	7,757.0	TP363	LANDFILL MATERIAL		-	-	-	-	-
Fluorene	ug/kg	7,803.0	TP363	LANDFILL MATERIAL		-	-	-	-	-
Phe'-nthrene #M	ug/kg	41,418.0	TP363	LANDFILL MATERIAL		-	-	-	-	-
Anthracene	ug/kg	22,190.0	TP375	LANDFILL MATERIAL		-	-	-	-	-
Fluoranthene #M	ug/kg	61,252.0	TP363	LANDFILL MATERIAL		-	-	-	-	-
Pyrene #M	ug/kg	67,710.0	TP363	LANDFILL MATERIAL		-	-	-	-	-
Benzo(a)anthracene	ug/kg	36,676.0	TP375	LANDFILL MATERIAL		-	-	-	-	-
Chrysene	ug/kg	39,214.0	TP363	LANDFILL MATERIAL		-	-	-	-	-
Benzo(bk)fluoranthene	ug/kg	62,614.0	TP375	LANDFILL MATERIAL		-	-	-	-	-
Benzo(a)pyrene	ug/kg	33,730.0	TP363	LANDFILL MATERIAL		-	-	-	-	-
Indeno(123cd)pyrene	ug/kg	20,257.0	TP375	LANDFILL MATERIAL		-	-	-	-	-
Dibenzo(ah)anthracene	ug/kg	9,257.0	TP375	LANDFILL MATERIAL		-	-	-	-	-
Benzo(ghi)perylene	ug/kg	21,352.0	TP363	LANDFILL MATERIAL		-	-	-	-	-
Benzo(b)fluoranthene	ug/kg	45,082.0	TP375	LANDFILL MATERIAL		-	-	-	-	-
Benzo(k)fluoranthene	ug/kg	17,532.0	TP375	LANDFILL MATERIAL		-	-	-	-	-
Phthalates										
Bis(2-ethylhexyl) phthalate	ug/kg	207,000.0	TP373A	0		-	-	-	-	-
Butylbenzyl phthalate	ug/kg	464.0	TP375A	LANDFILL MATERIAL		-	-	-	-	-
Di-n-butyl phthalate	ug/kg	4,830.0	TP360A	LANDFILL MATERIAL		-	-	-	-	-
Di-n-Octyl phthalate	ug/kg	336.0	TP375A	LANDFILL MATERIAL		-	-	-	-	-
Diethyl phthalate	ug/kg	1,260.0	TP360A	LANDFILL MATERIAL		-	-	-	-	-
Dimethyl phthalate #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Other SVOCs										
1,2-Dichlorobenzene	ug/kg	0.0	N/A	N/A		-	-	-	-	-
1,2,4-Trichlorobenzene #M	ug/kg	0.0	N/A	N/A		-	-	-	-	-
1,3-Dichlorobenzene	ug/kg	0.0	N/A	N/A		-	-	-	-	-
1,4-Dichlorobenzene	ug/kg	2,427.0	TP363	LANDFILL MATERIAL		-	-	-	-	-
2-Nitroaniline	ug/kg	0.0	N/A	N/A		-	-	-	-	-
2,4-Dinitrotoluene	ug/kg	0.0	N/A	N/A		-	-	-	-	-
2,6-Dinitrotoluene	ug/kg	0.0	N/A	N/A		-	-	-	-	-
3-Nitroaniline	ug/kg	0.0	N/A	N/A		-	-	-	-	-

					Sample ID	BH320	TP348	TP348R	TP348R	TP353
					Depth	0.60	0.20	0.80	2.00	0.10-0.20
					Scheme Area	4A	n/a	n/a	n/a	n/a
					Relevant design feature	South Hinksey	Outside scheme - MMA	Outside scheme - MMA	Outside scheme - MMA	Outside scheme - MMA
					Material	ALLUVIUM	TOPSOIL	SOLIFLUCTION DEPOSITS	SOLIFLUCTION DEPOSITS	TOPSOIL
					Sampled Date	19/04/2017	04/04/2017	11/04/2017	11/04/2017	04/04/2017
4-Bromophenylphenylether [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-
4-Chloroaniline	ug/kg	0.0	N/A	N/A		-	-	-	-	-
4-Chlorophenylphenylether	ug/kg	0.0	N/A	N/A		-	-	-	-	-
4-Nitroaniline	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Azobenzene	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Bis(2-chloroethoxy)methane	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Bis(2-chloroethyl)ether	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Carbazole	ug/kg	7,430.0	TP375	LANDFILL MATERIAL		-	-	-	-	-
Dibenzofuran [#M]	ug/kg	3,091.0	TP363	LANDFILL MATERIAL		-	-	-	-	-
Hexachlorobenzene	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Hexachlorobutadiene [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Hexachlorocyclopentadiene	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Hexachloroethane	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Isophorone [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-
N-nitrosodi-n-propylamine [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-
Nitrobenzene [#M]	ug/kg	0.0	N/A	N/A		-	-	-	-	-
PCBS										
PCB 28 [#]	ug/kg	2,970.0	TP359A	LANDFILL MATERIAL		-	-	-	-	-
PCB 52 [#]	ug/kg	784.0	TP374A	LANDFILL MATERIAL		-	-	-	-	-
PCB 101 [#]	ug/kg	673.0	TP359	LANDFILL MATERIAL		-	-	-	-	-
PCB 118 [#]	ug/kg	646.0	TP359	LANDFILL MATERIAL		-	-	-	-	-
PCB 138 [#]	ug/kg	628.0	TP359	LANDFILL MATERIAL		-	-	-	-	-
PCB 153 [#]	ug/kg	402.0	TP359	LANDFILL MATERIAL		-	-	-	-	-
PCB 180 [#]	ug/kg	83.0	TP359	LANDFILL MATERIAL		-	-	-	-	-
Total 7 PCBs [#]	ug/kg	4,030.0	TP359A	LANDFILL MATERIAL		-	-	-	-	-
PCB congener 81	µg/kg	0.0	N/A	N/A		-	-	-	-	-
PCB congener 77	µg/kg	83.8	TP359A	LANDFILL MATERIAL		-	-	-	-	-
PCB congener 123	µg/kg	0.0	N/A	N/A		-	-	-	-	-
PCB congener 114	µg/kg	0.0	N/A	N/A		-	-	-	-	-
PCB congener 105	µg/kg	74.1	TP359A	LANDFILL MATERIAL		-	-	-	-	-
PCB congener 126	µg/kg	0.0	N/A	N/A		-	-	-	-	-
PCB congener 167	µg/kg	8.0	TP374A	LANDFILL MATERIAL		-	-	-	-	-
PCB congener 156	µg/kg	7.2	TP374A	LANDFILL MATERIAL		-	-	-	-	-
PCB congener 157	µg/kg	0.0	N/A	N/A		-	-	-	-	-
PCB congener 169	µg/kg	0.0	N/A	N/A		-	-	-	-	-
PCB congener 189	µg/kg	0.0	N/A	N/A		-	-	-	-	-
Sum of detected WHO 12 PCBs	µg/kg	294.0	TP359A	LANDFILL MATERIAL		-	-	-	-	-
Combined Pesticides										
Tec'-zene	µg/kg	0.0	N/A	N/A		-	-	-	-	-
Hexachlorobenzene	µg/kg	0.0	N/A	N/A		-	-	-	-	-
Trifluralin	µg/kg	0.0	N/A	N/A		-	-	-	-	-
Phorate	µg/kg	0.0	N/A	N/A		-	-	-	-	-
alpha-Hexachlorocyclohexane (H	µg/kg	0.0	N/A	N/A		-	-	-	-	-
Quintozene (PCNB)	µg/kg	0.0	N/A	N/A		-	-	-	-	-
Triallate	µg/kg	0.0	N/A	N/A		-	-	-	-	-
gamma-Hexachlorocyclohexane	µg/kg	0.0	N/A	N/A		-	-	-	-	-
Disulfoton	µg/kg	0.0	N/A	N/A		-	-	-	-	-
Heptachlor	µg/kg	0.0	N/A	N/A		-	-	-	-	-
Aldrin	µg/kg	0.0	N/A	N/A		-	-	-	-	-
Chlorothalonil	µg/kg	0.0	N/A	N/A		-	-	-	-	-

					Sample ID	BH320	TP348	TP348R	TP348R	TP353
					Depth	0.60	0.20	0.80	2.00	0.10-0.20
					Scheme Area	4A	n/a	n/a	n/a	n/a
					Relevant design feature	South Hinksey	Outside scheme - MMA	Outside scheme - MMA	Outside scheme - MMA	Outside scheme - MMA
					Material	ALLUVIUM	TOPSOIL	SOLIFLUCTION DEPOSITS	SOLIFLUCTION DEPOSITS	TOPSOIL
					Sampled Date	19/04/2017	04/04/2017	11/04/2017	11/04/2017	04/04/2017
Telodrin	µg/kg	0.0	N/A	N/A		-	-	-	-	-
beta-Hexachlorocyclohexane (H	µg/kg	0.0	N/A	N/A		-	-	-	-	-
Isodrin	µg/kg	0.0	N/A	N/A		-	-	-	-	-
Heptachlor epoxide	µg/kg	0.0	N/A	N/A		-	-	-	-	-
Triadimefon	µg/kg	0.0	N/A	N/A		-	-	-	-	-
Pendimethalin	µg/kg	0.0	N/A	N/A		-	-	-	-	-
o,p-DDE	µg/kg	0.0	N/A	N/A		-	-	-	-	-
Endosulphan I	µg/kg	0.0	N/A	N/A		-	-	-	-	-
Trans-chlordane	µg/kg	0.0	N/A	N/A		-	-	-	-	-
cis-Chlordane	µg/kg	0.0	N/A	N/A		-	-	-	-	-
p,p-DDE	µg/kg	0.0	N/A	N/A		-	-	-	-	-
Dieldrin	µg/kg	0.0	N/A	N/A		-	-	-	-	-
o,p'-DDD (TDE)	µg/kg	0.0	N/A	N/A		-	-	-	-	-
Endrin	µg/kg	0.0	N/A	N/A		-	-	-	-	-
o,p-DDT	µg/kg	0.0	N/A	N/A		-	-	-	-	-
p,p-TDE (DDD)	µg/kg	0.0	N/A	N/A		-	-	-	-	-
Endosulphan II	µg/kg	0.0	N/A	N/A		-	-	-	-	-
p,p-DDT	µg/kg	0.0	N/A	N/A		-	-	-	-	-
o,p-Methoxychlor	µg/kg	0.0	N/A	N/A		-	-	-	-	-
p,p-Methoxychlor	µg/kg	0.0	N/A	N/A		-	-	-	-	-
Endosulphan sulphate	µg/kg	0.0	N/A	N/A		-	-	-	-	-
Permethrin I	µg/kg	0.0	N/A	N/A		-	-	-	-	-
Permethrin II	µg/kg	0.0	N/A	N/A		-	-	-	-	-

Appendix B
Soil Leachate Chemistry Results

			Location	TP292	TP294	TP210	TP213	TP218	TP228	HSA219	BH208	BH208	TP240	TP241	TP242	TP242	WS217	WS217
			Depth to Sample	0.6	0.5	0	0.5	0.3	0.3	0.3	0	1.8	2	2	0.4	1.5	1	1.8
			Relevant Scheme Area	1A	1B	3B	3B	3C	4B	4C	4D	4D	4D	4D	4D	4D	4D	4D
			Scheme area description	Area N of Botley Rd	Area N of Botley Rd	Main Channel (BR OAR)	Main Channel (BR OAR)	Main Channel (BR OAR)	Main Channel (BR OAR)	Main Channel (BR OAR)	Kennington Rd. E landfill	Kennington Rd. E landfill	Kennington Rd. E landfill	Kennington Rd. E landfill	Kennington Rd. E landfill	Kennington Rd. E landfill	Kennington Rd. E landfill	Kennington Rd. E landfill
			Geology	Alluvium	Alluvium	Made Ground	Alluvium	TopSoil	Alluvium	Alluvium	Topsoil	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground
Deteminand	**Units**	**Screening**	**Source of Screening Value**															
Arsenic	ug/l	50	EQS AA	0	0	0		0	0	0	2.9	6.7	0	0	0	0	0	0
Boron	ug/l	1000	UK DWS	0	24	20	24	40	39	28	58	96	210	557	69	400	206	298
Cadmium	ug/l	0.25	EQS AA (Hard water)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chromium	ug/l	3.4	EQS AA for Cr VI	0	0	0	0	0	0	0	0	1.6	0	0	0	0	0	0
Copper	ug/l	1	Min. EQS AA (Bioavailable)	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lead	ug/l	1.2	Min. EQS AA (Bioavailable)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mercury	ug/l	0.07	EQS MAC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nickel	ug/l	4	Min. EQS AA (Bioavailable)	0	0	2	0	0	0	0	11	15	0	0	0	0	5	3
Zinc	ug/l	10.9	Min. EQS AA (Bioavailable)	11	8	7	7	7	9	4	32	5	4	4	4	9	5	6
Hexavalent Chromium	mg/l	3.4	EQS AA for Cr VI	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0	0	0	0
Sulphate as SO4	mg/l	250	UK DWS	2.58	1.72	0.58	4.44	0.48	21.21	1.09	8.15	79.81	99.84	176.38	16.61	238.06	303.76	50.17
pH	pH units	8.5	UK EQS	7.97	7.98	8.12	8.08	8.02	7.89	8.14	8.14	8.73	7.96	7.81	8	7.59	7.53	8.09

			Location	WS218	TP238	TP239	WS216	BH205	BH205	TP243	WS203
			Depth to Sample	1.2	1	1	0.8	0.5	1.5	1	0.7
			Relevant Scheme Area	4D	4D	4D	4D	4D	4D		4G
			Scheme area description	Kennington Rd. E landfill	Kennington Rd. W landfill	Kennington Rd. W landfill	Kennington Rd. W landfill	Kennington Rd. W landfill	Kennington Rd. W landfill	A423 Culverts (W)	Abingdon Rd. (Go Outdoors, Adj. Hinksey Stream)
			Geology	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground
Deteminand	**Units**	**Screening**	**Source of Screening Value**								
Arsenic	ug/l	50	EQS AA	0	0	4	0	7.6	10.2	0	0
Boron	ug/l	1000	UK DWS	106	296	539	152	417	1190	13	0
Cadmium	ug/l	0.25	EQS AA (Hard water)	0	0	0	0	0	0	0	0
Chromium	ug/l	3.4	EQS AA for Cr VI	0	0	0	0	0	0	0	0
Copper	ug/l	1	Min. EQS AA (Bioavailable)	0	0	0	0	0	0	0	0
Lead	ug/l	1.2	Min. EQS AA (Bioavailable)	0	0	0	0	0	0	0	0
Mercury	ug/l	0.07	EQS MAC	0	0	0	0	0	0	0	0
Nickel	ug/l	4	Min. EQS AA (Bioavailable)	0	0	0	4	4	11	0	0
Zinc	ug/l	10.9	Min. EQS AA (Bioavailable)	4	5	5	3	4	3	7	3
Hexavalent Chromium	mg/l	3.4	EQS AA for Cr VI	0	0	0	0	0	0	N/A	N/A
Sulphate as SO4	mg/l	250	UK DWS	12.21	336.39	280.48	121.68	184.04	379.69	3.16	7.44
pH	pH units	8.5	UK EQS	8.12	7.7	7.4	7.86	8.44		7.96	8.44

	Sample ID		BH301	TP302	TMP-BH1	TMP-BH3	BH302	BH302	BH303	BH303	TP301	TP303	TP304	TP310	TP310	BH304	BH304	BH305	BH306 OBS	BH306 PMP	BH307	BH308	BH308	TP314	TP314	TP314	TP321	TP321	WS305	WS305	TP327	TP327	TP331	TP331	TP344	TP344	BH367 FH	BH367 FH	BH365FH	BH365FH
	Depth		0.30-0.60	0.30	0.70	0.50	0.30	0.60	0.20	0.50	0.30	0.50	0.40	0.30	0.80	0.15	0.15	0.50	0.50	0.20	0.10-0.20	0.35	0.50	0.20	1.20	2.00	0.40	1.00	1.20-1.85	1.83-2.00	0.20	1.50	0.40	1.00	0.20-0.75	0.75-0.90	0.30	0.70	0.20	1.00
Referenced Scheme Zone			1A	1A	1A	1A	1B	1B	1B	1B	1B	1B	1B	1B	1B	2A	2A	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	3B	3B	3C	3C	3C	3C	3D	3D	3D	3D
			N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey
	Meterial		Made Ground	Alluvium	Alluvium	Alluvium	Made Ground	Made Ground	Made Ground	River Terrace Deposits	Alluvium	Alluvium	Alluvium	Made Ground	Alluvium	Made Ground	Made Ground	Alluvium	Alluvium	Alluvium	Topsoil	Alluvium	Alluvium	Made Ground	Alluvium	River Terrace Deposits	Alluvium	Alluvium	Alluvium	River Terrace Deposits	Alluvium	River Terrace Deposits	Alluvium	River Terrace Deposits	Topsoil	Alluvium	Made Ground	Alluvium	Made Ground	River Terrace Deposits
	Sample Type		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Sampled Date		19/04/2017	18/05/2017	20/04/2017	20/04/2017	10/04/2017	10/04/2017	17/04/2017	05/04/2017	12/04/2017	12/04/2017	12/04/2017	27/04/2017	27/04/2017	12/04/2017	28/04/2017	21/04/2017	21/04/2017	05/04/2017	03/04/2017	10/04/2017	10/04/2017	28/04/2017	28/04/2017	28/04/2017	25/04/2017	25/04/2017	24/04/2017	24/04/2017	26/04/2017	26/04/2017	26/04/2017	26/04/2017	11/04/2017	11/04/2017	25/05/2017	25/05/2017	25/05/2017	25/05/2017
Sample Received Date			21/04/2017	20/05/2017	26/04/2017	26/04/2017	11/04/2017	11/04/2017	13/04/2017	07/04/2017	13/04/2017	13/04/2017	13/04/2017	03/05/2017	03/05/2017	13/04/2017	03/05/2017	26/04/2017	26/04/2017	07/04/2017	05/04/2017	12/04/2017	12/04/2017	03/05/2017	03/05/2017	03/05/2017	20/05/2017	20/05/2017	26/04/2017	26/04/2017	29/04/2017	29/04/2017	29/04/2017	29/04/2017	13/04/2017	13/04/2017	01/06/2017	01/06/2017	26/05/2017	26/05/2017
	J E Sample No		160-162	224-226	297-299	300-302	53-55	56-58	61-63	40-42	84-86	79-81	89-91	123-125	120-122	52-54	129-131	260-262	263-265	47-49	1-3	82-83	80-81	150-152	153-155	159-161	230-232	227-229	225-228	229-232	114-116	108-110	111-113	105-107	36-37	38-39	506-508	518-520	463-465	460-462
	Batch Number		5	12	7	7	4	4	3	3	3	3	3	9	9	3	9	7	7	3	1	5	5	9	9	9	12	12	6	6	8	8	8	8	2	2	15	15	13	13
Test	Units	Assessment criteria																																						
pH	pH units	8.5	7.49	7.15	6.97	7.09	7.40	7.57	7.61	7.59	7.48	7.04	7.38	7.10	6.97	7.92	7.16	7.13	7.52	7.88	7.15	7.89	7.63	6.87	7.31	7.14	7.37	7.86	7.02	6.77	6.99	7.25	7.02	8.41	7.54	7.38	7.24	6.98	7.56	6.86
Metals																																								
Dissolved Arsenic #	ug/l	50	6.30	<2.5	<2.5	<2.5	3.60	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	3.20	<2.5	<2.5	<2.5	<2.5	2.80	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	4.50	<2.5	9.30	<2.5
Dissolved Boron #	ug/l	1000	31.00	<12	13.00	14.00	<12	31.00	23.00	77.00	23.00	31.00	17.00	18.00	55.00	61.00	32.00	14.00	31.00	15.00	24.00	22.00	18.00	<12	16.00	26.00	36.00	14.00	39.00	<12	<12	<12	36.00	<12	16.00	24.00	24.00	26.00	17.00	17.00
Dissolved Cadmium #	ug/l	0.25	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dissolved Chromium #	ug/l	3.4	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	2.20	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Dissolved Copper #	ug/l	1	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7
Dissolved Lead #	ug/l	1.2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	10.00	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dissolved Mercury #	ug/l	0.07	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dissolved Nickel #	ug/l	4	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Dissolved Zinc #	ug/l	10.9	5.00	3.00	<3	4.00	5.00	3.00	6.00	6.00	4.00	4.00	4.00	5.00	<3	5.00	7.00	3.00	3.00	3.00	<3	<3	<3	3.00	<3	<3	4.00	<3	<3	<3	4.00	<3	4.00	<3	<3	<3	5.00	3.00	3.00	<3
PAH MS																																								
Acenaphthene	ug/l	0	<0.013	0.03	<0.013	<0.013	0.03	0.06	0.04	0.05	<0.013	<0.013	<0.013	0.03	<0.013	<0.013	0.01	0.03	<0.013	<0.013	<0.013	<0.013	<0.013	0.03	<0.013	<0.013	0.05	0.17	0.04	<0.013	0.17	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	0.28
Acenaphthylene	ug/l	0	0.04	<0.013	<0.013	<0.013	0.17	0.03	<0.013	<0.013	<0.013	<0.013	<0.013	0.05	<0.013	<0.013	0.01	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	0.01	0.04	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	0.03
Anthracene	ug/l	0.1	0.04	<0.013	<0.013	<0.013	0.30	0.07	0.02	<0.013	<0.013	<0.013	<0.013	0.06	<0.013	<0.013	<0.013	0.03	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	0.03	0.02	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	0.03
Benzo(a)anthracene	ug/l	0	0.05	<0.015	<0.015	<0.015	0.92	0.03	0.02	<0.015	<0.015	<0.015	<0.015	0.17	<0.015	<0.015	0.02	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Benzo(a)pyrene	ug/l	0.00017	0.06	<0.016	<0.016	<0.016	0.61	0.03	0.04	<0.016	<0.016	<0.016	<0.016	0.27	<0.016	<0.016	0.02	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016
Benzo(b)fluoranthene	ug/l	0.017	0.11	<0.01	0.01	<0.01	0.69	0.05	0.05	<0.01	<0.01	<0.01	<0.01	0.35	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<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(bk)fluoranthene	ug/l	0.017	0.16	<0.018	0.02	<0.018	0.96	0.07	0.07	<0.018	<0.018	<0.018	<0.018	0.48	<0.018	<0.018	0.05	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	0.02	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018
Benzo(ghi)perylene	ug/l	0.0082	0.07	<0.011	<0.011	<0.011	0.33	0.03	0.03	<0.011	<0.011	<0.011	<0.011	0.21	<0.011	<0.011	0.02	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Benzo(k)fluoranthene	ug/l	0.017	0.04	<0.01	<0.01	<0.01	0.27	0.02	0.02	<0.01	<0.01	<0.01	<0.01	0.13	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	ug/l	0	0.08	<0.011	<0.011	<0.011	0.82	0.03	0.02	<0.011	<0.011	<0.011	<0.011	0.25	<0.011	<0.011	0.03	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Dibenzo(ah)anthracene	ug/l	0	0.02	<0.01	<0.01	<0.01	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<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	ug/l	0.0063	0.07	0.03	0.02	<0.012	1.70	0.13	0.03	0.01	<0.012	<0.012	<0.012	0.20	<0.012	<0.012	0.04	0.04	<0.012	<0.012	<0.012	<0.012	<0.012	0.02	<0.012	<0.012	0.02	0.03	0.03	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	0.05
Fluorene	ug/l	0	<0.014	0.02	<0.014	<0.014	0.04	0.15	0.05	0.07	<0.014	<0.014	<0.014	0.02	<0.014	<0.014	<0.014	0.07	<0.014	<0.014	<0.014	<0.014	<0.014	0.02	<0.014	<0.014	0.03	0.17	0.06	<0.014	0.07	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	0.18
Indeno(123cd)pyrene	ug/l	0	0.07	<0.011	<0.011	<0.011	0.29	0.03	0.03	<0.011	<0.011	<0.011	<0.011	0.18	<0.011	<0.011	0.02	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Naphthalene	ug/l	2	<0.1	<0.1	<0.1	<0.1	0.20	0.30	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.20	0.20	<0.1	<0.1	<0.1	<0.1
PAH 16 Total	ug/l	0.1	0.74	<0.195	<0.195	<0.195	8.64	1.59	0.45	0.25	<0.195	<0.195	<0.195	2.20	<0.195	<0.195	0.28	0.42	<0.195	<0.195	<0.195	<0.195	<0.195	<0.195	<0.195	<0.195	<0.195	0.71	0.33	<0.195	0.30	<0.195	<0.195	<0.195	0.20	0.20	<0.195	<0.195	<0.195	0.85
Phenanthrene	ug/l	0	0.02	0.03	0.02	<0.011	0.68	0.53	0.09	0.12	<0.011	<0.011	0.02	0.05	<0.011	<0.011	0.03	0.23	<0.011	0.02	0.01	<0.011	0.03	0.03	<0.011	<0.011	0.02	0.25	0.16	<0.011	0.05	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	0.25
Pyrene	ug/l	0	0.07	0.03	0.01	<0.013	1.54	0.11	0.03	<0.013	<0.013	<0.013	<0.013	0.21	<0.013	<0.013	0.04	0.03	<0.013	<0.013	<0.013	<0.013	<0.013	0.02	<0.013	<0.013	<0.013	0.02	0.02	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	0.03

TPH CWG																																								
Aliphatics																																								
>C10-C12	ug/l	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	<5	<5
>C12-C16	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-	<10	<10
>C16-C21	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-	<10	<10
>C21-C35	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-	<10	<10
Aromatics																																								
>EC10-EC12	ug/l	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	<5	<5
>EC12-EC16	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-	<10	<10
>EC16-EC21	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-	<10	<10
>EC21-EC35	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-	<10	<10
Dissolved Calcium #	mg/l	n/a	29.00	20.80	23.40	29.90	21.90	27.80	27.50	35.10	30.80	17.70	21.80	25.50	27.00	41.90	34.90	24.50	30.40	32.10	36.70	37.40	29.10	17.20	44.40	88.40	40.20	13.10	78.50	57.00	25.00	33.90	27.10	11.20	34.30	55.40	35.00	27.00	23.20	15.60
Dissolved Magnesium #	mg/l	n/a	0.80	0.10	0.40	0.20	0.50	0.80	0.70	1.10	0.50	0.50	0.60	0.90	1.30	1.20	1.10	<0.1	0.40	0.40	0.40	0.80	0.40	0.30	0.40	0.30	0.10	0.20	0.70	0.40	0.30	0.30	1.10	0.10	0.20	0.20	0.60	0.20	0.40	0.10
Dissolved Sodium #	mg/l	n/a	1.40	0.30	6.10	1.20	0.60	1.60	1.40	2.90	2.00	0.80	1.30	1.40	2.60	2.60	1.70	0.40	0.50	0.50	1.30	3.30	2.20	0.70	1.30	0.90	0.20	1.20	0.70	0.90	0.70	0.90	1.60	0.90	2.10	3.00	2.00	1.70	2.60	0.90

	Sample ID		BH301	TP302	TMP-BH1	TMP-BH3	BH302	BH302	BH303	BH303	TP301	TP303	TP304	TP310	TP310	BH304	BH304	BH305	BH306 OBS	BH306 PMP	BH307	BH308	BH308	TP314	TP314	TP314	TP321	TP321	WS305	WS305	TP327	TP327	TP331	TP331	TP344	TP344	BH367 FH	BH367 FH	BH365FH	BH365FH
	Depth		0.30-0.60	0.30	0.70	0.50	0.30	0.60	0.20	0.50	0.30	0.50	0.40	0.30	0.80	0.15	0.15	0.50	0.50	0.20	0.10-0.20	0.35	0.50	0.20	1.20	2.00	0.40	1.00	1.20-1.85	1.83-2.00	0.20	1.50	0.40	1.00	0.20-0.75	0.75-0.90	0.30	0.70	0.20	1.00
Referenced Scheme Zone			1A	1A	1A	1A	1B	1B	1B	1B	1B	1B	1B	1B	1B	2A	2A	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	3B	3B	3C	3C	3C	3C	3D	3D	3D	3D
			N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey
	Meterial		Made Ground	Alluvium	Alluvium	Alluvium	Made Ground	Made Ground	Made Ground	River Terrace Deposits	Alluvium	Alluvium	Alluvium	Made Ground	Alluvium	Made Ground	Made Ground	Alluvium	Alluvium	Alluvium	Topsoil	Alluvium	Alluvium	Made Ground	Alluvium	River Terrace Deposits	Alluvium	Alluvium	Alluvium	River Terrace Deposits	Alluvium	River Terrace Deposits	Alluvium	River Terrace Deposits	Topsoil	Alluvium	Made Ground	Alluvium	Made Ground	River Terrace Deposits
	Sample Type		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Sampled Date		19/04/2017	18/05/2017	20/04/2017	20/04/2017	10/04/2017	10/04/2017	17/04/2017	05/04/2017	12/04/2017	12/04/2017	12/04/2017	27/04/2017	27/04/2017	12/04/2017	28/04/2017	21/04/2017	21/04/2017	05/04/2017	03/04/2017	10/04/2017	10/04/2017	28/04/2017	28/04/2017	28/04/2017	25/04/2017	25/04/2017	24/04/2017	24/04/2017	26/04/2017	26/04/2017	26/04/2017	26/04/2017	11/04/2017	11/04/2017	25/05/2017	25/05/2017	25/05/2017	25/05/2017
Sample Received Date			21/04/2017	20/05/2017	26/04/2017	26/04/2017	11/04/2017	11/04/2017	13/04/2017	07/04/2017	13/04/2017	13/04/2017	13/04/2017	03/05/2017	03/05/2017	13/04/2017	03/05/2017	26/04/2017	26/04/2017	07/04/2017	05/04/2017	12/04/2017	12/04/2017	03/05/2017	03/05/2017	03/05/2017	20/05/2017	20/05/2017	26/04/2017	26/04/2017	29/04/2017	29/04/2017	29/04/2017	29/04/2017	13/04/2017	13/04/2017	01/06/2017	01/06/2017	26/05/2017	26/05/2017
	J E Sample No		160-162	224-226	297-299	300-302	53-55	56-58	61-63	40-42	84-86	79-81	89-91	123-125	120-122	52-54	129-131	260-262	263-265	47-49	1-3	82-83	80-81	150-152	153-155	159-161	230-232	227-229	225-228	229-232	114-116	108-110	111-113	105-107	36-37	38-39	506-508	518-520	463-465	460-462
	Batch Number		5	12	7	7	4	4	3	3	3	3	3	9	9	3	9	7	7	3	1	5	5	9	9	9	12	12	6	6	8	8	8	8	2	2	15	15	13	13
Test	Units	Assessment criteria																																						
TPH CWG																																								
Aliphatics																																								
>C5-C6	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
>C6-C8	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
>C8-C10	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total aliphatics C5-35	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aromatics																																								
>C5-EC7	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
>EC7-EC8	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
>EC8-EC10	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total aromatics C5-35	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total aliphatics and aromatics(C5-35)	ug/l	0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MTBE	ug/l	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Benzene	ug/l	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	ug/l	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	ug/l	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
m/p-Xylene	ug/l	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
o-Xylene	ug/l	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Total Phenols HPLC	mg/l	0.077	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Sulphate as SO4 #	mg/l	250	18.50	2.86	7.44	0.72	0.41	4.59	1.32	6.46	1.17	2.21	1.11	2.10	8.54	0.51	0.80	1.44	1.77	0.31	0.60	3.77	2.21	1.05	2.73	126.52	24.94	3.82	97.52	81.05	1.36	22.30	6.06	3.00	1.14	62.50	1.26	1.14	1.15	2.37
Chloride #	mg/l	250	0.70	<0.3	0.80	0.50	0.40	0.70	0.50	2.10	0.70	0.60	0.50	0.90	0.90	0.60	1.10	0.30	0.50	<0.3	<0.3	1.40	1.00	0.70	0.80	0.80	<0.3	<0.3	0.40	0.60	0.50	4.30	0.60	0.40	<0.3	1.60	0.90	0.90	1.10	0.40
Nitrate as NO3 #	mg/l	50	3.30	1.60	4.80	1.80	3.20	4.70	3.00	<0.2	5.00	0.40	1.60	1.90	8.50	7.60	15.00	<0.2	0.60	4.90	0.80	2.10	0.90	0.80	1.60	0.30	0.50	0.40	0.20	<0.2	0.80	<0.2	1.90	0.40	3.50	0.80	4.60	2.80	0.80	<0.2
Ortho Phosphate as PO4 #	mg/l	0.06	2.36	<0.06	<0.06	<0.06	0.37	0.48	<0.06	<0.06	<0.06	<0.06	<0.06	0.33	<0.06	0.63	0.34	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	0.21	<0.06	<0.06	<0.06	<0.06	0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	6.33	<0.06
Ammoniacal Nitrogen as N #	mg/l	0.6	<0.03	0.08	0.03	0.03	0.04	0.03	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.07	0.04	0.03	0.04	0.05	<0.03	0.03	0.03	<0.03	<0.03	<0.03	<0.03	0.13	0.13	<0.03	0.03	<0.03	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Bicarbonate Alkalinity as CaCO3	mg/l	n/a	86.00	68.00	55.00	70.00	89.00	107.00	114.00	114.00	104.00	83.00	89.00	63.00	57.00	137.00	74.00	94.00	117.00	95.00	111.00	129.00	110.00	38.00	112.00	84.00	92.00	60.00	88.00	49.00	58.00	76.00	60.00	67.00	116.00	101.00	91.00	82.00	81.00	60.00
Dissolved Organic Carbon	mg/l	n/a	14.00	5.00	23.00	9.00	11.00	7.00	6.00	4.00	9.00	6.00	6.00	10.00	17.00	8.00	13.00	5.00	5.00	6.00	5.00	6.00	4.00	5.00	9.00	<2	4.00	<2	6.00	2.00	7.00	5.00	9.00	4.00	7.00	8.00	6.00	5.00	4.00	3.00
Hexavalent Chromium	mg/l	0.0034	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006

	Sample ID		BH301	TP302	TMP-BH1	TMP-BH3	BH302	BH302	BH303	BH303	TP301	TP303	TP304	TP310	TP310	BH304	BH304	BH305	BH306 OBS	BH306 PMP	BH307	BH308	BH308	TP314	TP314	TP314	TP321	TP321	WS305	WS305	TP327	TP327	TP331	TP331	TP344	TP344	BH367 FH	BH367 FH	BH365FH	BH365FH
	Depth		0.30-0.60	0.30	0.70	0.50	0.30	0.60	0.20	0.50	0.30	0.50	0.40	0.30	0.80	0.15	0.15	0.50	0.50	0.20	0.10-0.20	0.35	0.50	0.20	1.20	2.00	0.40	1.00	1.20-1.85	1.83-2.00	0.20	1.50	0.40	1.00	0.20-0.75	0.75-0.90	0.30	0.70	0.20	1.00
Referenced Scheme Zone			1A	1A	1A	1A	1B	1B	1B	1B	1B	1B	1B	1B	1B	2A	2A	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	3B	3B	3C	3C	3C	3C	3D	3D	3D	3D
			N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey
	Meterial		Made Ground	Alluvium	Alluvium	Alluvium	Made Ground	Made Ground	Made Ground	River Terrace Deposits	Alluvium	Alluvium	Alluvium	Made Ground	Alluvium	Made Ground	Made Ground	Alluvium	Alluvium	Alluvium	Topsoil	Alluvium	Alluvium	Made Ground	Alluvium	River Terrace Deposits	Alluvium	Alluvium	Alluvium	River Terrace Deposits	Alluvium	River Terrace Deposits	Alluvium	River Terrace Deposits	Topsoil	Alluvium	Made Ground	Alluvium	River Terrace Deposits
	Sample Type		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Sampled Date		19/04/2017	18/05/2017	20/04/2017	20/04/2017	10/04/2017	10/04/2017	17/04/2017	05/04/2017	12/04/2017	12/04/2017	12/04/2017	27/04/2017	27/04/2017	12/04/2017	28/04/2017	21/04/2017	21/04/2017	05/04/2017	03/04/2017	10/04/2017	10/04/2017	28/04/2017	28/04/2017	28/04/2017	25/04/2017	25/04/2017	24/04/2017	24/04/2017	26/04/2017	26/04/2017	26/04/2017	26/04/2017	11/04/2017	11/04/2017	25/05/2017	25/05/2017	25/05/2017	25/05/2017
Sample Received Date			21/04/2017	20/05/2017	26/04/2017	26/04/2017	11/04/2017	11/04/2017	13/04/2017	07/04/2017	13/04/2017	13/04/2017	13/04/2017	03/05/2017	03/05/2017	13/04/2017	03/05/2017	26/04/2017	26/04/2017	07/04/2017	05/04/2017	12/04/2017	12/04/2017	03/05/2017	03/05/2017	03/05/2017	20/05/2017	20/05/2017	26/04/2017	26/04/2017	29/04/2017	29/04/2017	29/04/2017	29/04/2017	13/04/2017	13/04/2017	01/06/2017	01/06/2017	26/05/2017	26/05/2017
	J E Sample No		160-162	224-226	297-299	300-302	53-55	56-58	61-63	40-42	84-86	79-81	89-91	123-125	120-122	52-54	129-131	260-262	263-265	47-49	1-3	82-83	80-81	150-152	153-155	159-161	230-232	227-229	225-228	229-232	114-116	108-110	111-113	105-107	36-37	38-39	506-508	518-520	463-465	460-462
	Batch Number		5	12	7	7	4	4	3	3	3	3	3	9	9	3	9	7	7	3	1	5	5	9	9	9	12	12	6	6	8	8	8	8	2	2	15	15	13	13
Test	Units	Assessment criteria																																						
VOC MS																																								
Dichlorodifluoromethane	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene (1,1 DCE)	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloromethane (DCM)	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1-2-Dichloroethene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1-2-Dichloroethene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromochloromethane	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloropropene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromomethane	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1-3-Dichloropropene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1-3-Dichloropropene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropane	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1,2-Tetrachloroethane	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p/m-Xylene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromobenzene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propylbenzene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Chlorotoluene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorotoluene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Isopropyltoluene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p/m-Xylene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Sample ID		BH301	TP302	TMP-BH1	TMP-BH3	BH302	BH302	BH303	BH303	TP301	TP303	TP304	TP310	TP310	BH304	BH304	BH305	BH306 OBS	BH306 PMP	BH307	BH308	BH308	TP314	TP314	TP314	TP321	TP321	WS305	WS305	TP327	TP327	TP331	TP331	TP344	TP344	BH367 FH	BH367 FH	BH365FH	BH365FH
	Depth		0.30-0.60	0.30	0.70	0.50	0.30	0.60	0.20	0.50	0.30	0.50	0.40	0.30	0.80	0.15	0.15	0.50	0.50	0.20	0.10-0.20	0.35	0.50	0.20	1.20	2.00	0.40	1.00	1.20-1.85	1.83-2.00	0.20	1.50	0.40	1.00	0.20-0.75	0.75-0.90	0.30	0.70	0.20	1.00
Referenced Scheme Zone			1A	1A	1A	1A	1B	1B	1B	1B	1B	1B	1B	1B	1B	2A	2A	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	3B	3B	3C	3C	3C	3C	3D	3D	3D	3D
			N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	N of Botley Rd.	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey
	Meterial		Made Ground	Alluvium	Alluvium	Alluvium	Made Ground	Made Ground	Made Ground	River Terrace Deposits	Alluvium	Alluvium	Alluvium	Made Ground	Alluvium	Made Ground	Made Ground	Alluvium	Alluvium	Alluvium	Topsoil	Alluvium	Alluvium	Made Ground	Alluvium	River Terrace Deposits	Alluvium	Alluvium	Alluvium	River Terrace Deposits	Alluvium	River Terrace Deposits	Alluvium	River Terrace Deposits	Topsoil	Alluvium	Made Ground	Alluvium	Made Ground	River Terrace Deposits
	Sample Type		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Sampled Date		19/04/2017	18/05/2017	20/04/2017	20/04/2017	10/04/2017	10/04/2017	17/04/2017	05/04/2017	12/04/2017	12/04/2017	12/04/2017	27/04/2017	27/04/2017	12/04/2017	28/04/2017	21/04/2017	21/04/2017	05/04/2017	03/04/2017	10/04/2017	10/04/2017	28/04/2017	28/04/2017	28/04/2017	25/04/2017	25/04/2017	24/04/2017	24/04/2017	26/04/2017	26/04/2017	26/04/2017	26/04/2017	11/04/2017	11/04/2017	25/05/2017	25/05/2017	25/05/2017	25/05/2017
Sample Received Date			21/04/2017	20/05/2017	26/04/2017	26/04/2017	11/04/2017	11/04/2017	13/04/2017	07/04/2017	13/04/2017	13/04/2017	13/04/2017	03/05/2017	03/05/2017	13/04/2017	03/05/2017	26/04/2017	26/04/2017	07/04/2017	05/04/2017	12/04/2017	12/04/2017	03/05/2017	03/05/2017	03/05/2017	20/05/2017	20/05/2017	26/04/2017	26/04/2017	29/04/2017	29/04/2017	29/04/2017	29/04/2017	13/04/2017	13/04/2017	01/06/2017	01/06/2017	26/05/2017	26/05/2017
	J E Sample No		160-162	224-226	297-299	300-302	53-55	56-58	61-63	40-42	84-86	79-81	89-91	123-125	120-122	52-54	129-131	260-262	263-265	47-49	1-3	82-83	80-81	150-152	153-155	159-161	230-232	227-229	225-228	229-232	114-116	108-110	111-113	105-107	36-37	38-39	506-508	518-520	463-465	460-462
	Batch Number		5	12	7	7	4	4	3	3	3	3	3	9	9	3	9	7	7	3	1	5	5	9	9	9	12	12	6	6	8	8	8	8	2	2	15	15	13	13
Test	Units	Assessment criteria																																						
SVOC MS																																								
Phenols																																								
2-Chlorophenol	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAHs																																								
2-Chloronaphthalene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/l	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	ug/l	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	ug/l	0.0063	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(bk)fluoranthene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/l	0.00017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(123cd)pyrene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(ah)anthracene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	ug/l	0.0082	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phthalates																																								
Bis(2-ethylhexyl) phthalate	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzyl phthalate	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butyl phthalate	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-Octyl phthalate	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dimethyl phthalate	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other SVOCs																																								
1,2-Dichlorobenzene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenylphenylether	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorophenylphenylether	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Azobenzene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethoxy)methane	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethyl)ether	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-nitrosodi-n-propylamine	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrobenzene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benazolin	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bentazone	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoxynil	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clopyralid	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4 - CPA	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4 - D	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4 - DB	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dicamba	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroprop	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diclofop	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fenoprop	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flamprop	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flamprop – isopropyl	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ioxynil	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MCPA	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MCPB	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mecoprop	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Picloram	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4,5 - T	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,3,6 - TBA	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Triclopyr	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs																																								
PCB 28	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB 52	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB 101	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB 118	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB 138	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB 153	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB 180	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total 7 PCBs	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Sample ID		BH320	BH320	BH321	BH321	BH360	BH360	TP370	TP346R	TP346R	BH326	BH328	BH329	BH330	BH342	BH345	BH346	TP356	TP356	TP359	TP359	TP360	TP360	TP360	TP362	TP362	TP373	TP373	TP373	TP374	TP374	TP375	TP375	TP375	TP377	TP377	TP377	BH347
	Depth		0.30	0.60	0.30	2.00	0.30	0.80	0.50	1.00	2.50	1.80	2.90	2.80	2.70	2.80	2.90	3.00	0.50	1.20	0.70	1.70	0.40	1.40	1.65	0.90	1.15	1.10	1.60	1.70	0.50	1.50	0.40	1.10	1.25	0.30	0.60	1.20	4.10
	Referenced Scheme Zone		4A	4A	4B	4B	4B	4B	4C	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
			South Hinksey	South Hinksey	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill
	Meterial		Alluvium	Alluvium	Alluvium	River Terrace Deposits	Alluvium	Alluvium	Made Ground	River Terrace Deposits	Oxford Clay	River Terrace Deposits	River Terrace Deposits	River Terrace Deposits	River Terrace Deposits	River Terrace Deposits	Alluvium	River Terrace Deposits	Landfill Material	Landfill Liner	Landfill Material	Landfill Material	Landfill material	Landfill	Landfill Liner	Landfill Material	Landfill Material	Landfill Material	Landfill Material	Landfill Liner	Landfill Material	Landfill Material	Landfill Material	Landfill Material	Landfill Liner	Made Ground	Made Ground	Made Ground	River Terrace Deposits
	Sample Type		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Sampled Date		19/04/2017	19/04/2017	24/04/2017	24/04/2017	19/04/2017	19/04/2017	11/04/2017	11/04/2017	11/04/2017	21/04/2017	09/05/2017	04/05/2017	02/05/2017	02/05/2017	08/05/2017	03/05/2017	20/04/2017	20/04/2017	20/04/2017	20/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	25/05/2017	25/05/2017	25/05/2017	10/05/2017
	Sample Received Date		21/04/2017	21/04/2017	26/04/2017	26/04/2017	20/04/2017	20/04/2017	13/04/2017	13/04/2017	13/04/2017	26/04/2017	12/05/2017	06/05/2017	04/05/2017	04/05/2017	12/05/2017	05/05/2017	26/04/2017	26/04/2017	26/04/2017	26/04/2017	21/04/2017	21/04/2017	21/04/2017	20/04/2017	20/04/2017	20/04/2017	20/04/2017	20/04/2017	21/04/2017	21/04/2017	21/04/2017	21/04/2017	21/04/2017	01/06/2017	01/06/2017	01/06/2017	12/05/2017
	J E Sample No		172-174	183-185	216-218	219-221	93-95	96-98	21-23	24-26	27-29	266-268	407-409	383-385	171-173	174-176	413-415	186-188	308-310	312-314	315-317	318-320	204-206	207-209	210-212	97-99	100-102	121-123	127-129	130-132	192-194	189-191	195-197	198-200	201-203	512-514	515-517	526-527	404-406
	Batch Number		5	5	6	6	7	7	2	2	2	7	11	9	10	10	11	11	7	7	7	7	5	5	5	4	4	4	4	4	5	5	5	5	5	15	15	15	11
Test	Units	Assessment criteria																																					
pH	pH units	8.5	7.26	7.05	6.79	6.68	7.21	7.01	7.35	7.77	7.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																																							
Dissolved Arsenic #	ug/l	50	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dissolved Boron #	ug/l	1000	49.00	35.00	18.00	<12	25.00	15.00	<12	27.00	108.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dissolved Cadmium #	ug/l	0.25	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dissolved Chromium #	ug/l	3.4	<1.5	<1.5	<1.5	1.70	<1.5	<1.5	<1.5	<1.5	<1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dissolved Copper #	ug/l	1	<7	<7	<7	<7	<7	<7	<7	<7	<7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dissolved Lead #	ug/l	1.2	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dissolved Mercury #	ug/l	0.07	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dissolved Nickel #	ug/l	4	<2	<2	<2	<2	<2	<2	<2	<2	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dissolved Zinc #	ug/l	10.9	5.00	4.00	<3	3.00	<3	3.00	5.00	5.00	3.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAH MS																																							
Acenaphthene	ug/l	0	0.07	0.16	<0.013	0.04	<0.013	<0.013	<0.013	0.07	<0.013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	ug/l	0	0.01	<0.013	<0.013	<0.013	<0.013	0.02	<0.013	0.04	<0.013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	ug/l	0.1	0.02	0.02	<0.013	0.02	<0.013	0.02	<0.013	0.04	<0.013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/l	0	<0.015	<0.015	<0.015	<0.015	0.03	0.08	<0.015	<0.015	<0.015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/l	0.00017	<0.016	<0.016	<0.016	<0.016	0.04	0.09	<0.016	<0.016	<0.016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/l	0.017	<0.01	<0.01	<0.01	<0.01	0.05	0.10	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(bk)fluoranthene	ug/l	0.017	<0.018	<0.018	<0.018	<0.018	0.07	0.14	<0.018	<0.018	<0.018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	ug/l	0.0082	<0.011	<0.011	<0.011	<0.011	0.02	0.04	<0.011	<0.011	<0.011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/l	0.017	<0.01	<0.01	<0.01	<0.01	0.02	0.04	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	ug/l	0	<0.011	<0.011	<0.011	<0.011	0.03	0.09	<0.011	<0.011	<0.011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(ah)anthracene	ug/l	0	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	ug/l	0.0063	0.03	0.03	0.03	0.02	0.04	0.13	<0.012	0.03	<0.012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	ug/l	0	0.08	0.11	<0.014	0.04	<0.014	<0.014	<0.014	0.12	<0.014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(123cd)pyrene	ug/l	0	<0.011	<0.011	<0.011	<0.011	0.03	0.05	<0.011	<0.011	<0.011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/l	2	<0.1	0.10	<0.1	<0.1	<0.1	<0.1	0.20	0.10	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAH 16 Total	ug/l	0.1	0.38	0.63	<0.195	0.23	0.32	0.88	0.20	0.67	<0.195	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/l	0	0.16	0.20	0.04	0.11	0.01	0.07	<0.011	0.25	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	ug/l	0	0.02	0.02	0.01	<0.013	0.04	0.13	<0.013	0.02	<0.013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TPH CWG																																							
Aliphatics																																							
>C10-C12	ug/l	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	43.00	<5	<5	<5	<5	<5	<5	-	-	-	<5
>C12-C16	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	70.00	<10	<10	<10	<10	<10	<10	-	-	-	<10
>C16-C21	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	140.00	<10	<10	<10	<10	<10	<10	-	-	-	<10
>C21-C35	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	11430.00	<10	340.00	<10	<10	<10	<10	<10	6340.00	<10	<10	300.00	<10	<10	<10	-	-	-	<10
Aromatics																																							
>EC10-EC12	ug/l	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	<5
>EC12-EC16	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-	-	<10
>EC16-EC21	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	140.00	<10	30.00	<10	<10	<10	<10	<10	120.00	<10	<10	60.00	<10	<10	<10	-	-	-	<10
>EC21-EC35	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	1500.00	<10	430.00	<10	<10	<10	<10	<10	3110.00	<10	<10	280.00	<10	<10	<10	-	-	-	<10
Dissolved Calcium #	mg/l	n/a	35.20	23.00	19.40	12.90	36.90	26.30	23.30	9.00	20.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dissolved Magnesium #	mg/l	n/a	0.40	0.30	0.50	0.20	0.70	0.30	0.40	0.40	1.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dissolved Sodium #	mg/l	n/a	0.60	1.10	2.60	1.20	2.40	1.30	1.00	1.60	5.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Sample ID		BH320	BH320	BH321	BH321	BH360	BH360	TP370	TP346R	TP346R	BH326	BH328	BH329	BH330	BH342	BH345	BH346	TP356	TP356	TP359	TP359	TP360	TP360	TP360	TP362	TP362	TP373	TP373	TP373	TP374	TP374	TP375	TP375	TP375	TP377	TP377	TP377	BH347
	Depth		0.30	0.60	0.30	2.00	0.30	0.80	0.50	1.00	2.50	1.80	2.90	2.80	2.70	2.80	2.90	3.00	0.50	1.20	0.70	1.70	0.40	1.40	1.65	0.90	1.15	1.10	1.60	1.70	0.50	1.50	0.40	1.10	1.25	0.30	0.60	1.20	4.10
Referenced Scheme Zone			4A	4A	4B	4B	4B	4B	4C	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
			South Hinksey	South Hinksey	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill
	Meterial		Alluvium	Alluvium	Alluvium	River Terrace Deposits	Alluvium	Alluvium	Made Ground	River Terrace Deposits	Oxford Clay	River Terrace Deposits	River Terrace Deposits	River Terrace Deposits	River Terrace Deposits	River Terrace Deposits	Alluvium	River Terrace Deposits	Landfill Material	Landfill Liner	Landfill Material	Landfill Material	Landfill material	Landfill	Landfill Liner	Landfill Material	Landfill Material	Landfill Material	Landfill Material	Landfill Liner	Landfill Material	Landfill Material	Landfill Material	Landfill Material	Landfill Liner	Made Ground	Made Ground	Made Ground	River Terrace Deposits
	Sample Type		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Sampled Date		19/04/2017	19/04/2017	24/04/2017	24/04/2017	19/04/2017	19/04/2017	11/04/2017	11/04/2017	11/04/2017	21/04/2017	09/05/2017	04/05/2017	02/05/2017	02/05/2017	08/05/2017	03/05/2017	20/04/2017	20/04/2017	20/04/2017	20/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	25/05/2017	25/05/2017	25/05/2017	10/05/2017
Sample Received Date			21/04/2017	21/04/2017	26/04/2017	26/04/2017	20/04/2017	20/04/2017	13/04/2017	13/04/2017	13/04/2017	26/04/2017	12/05/2017	06/05/2017	04/05/2017	04/05/2017	12/05/2017	05/05/2017	26/04/2017	26/04/2017	26/04/2017	26/04/2017	21/04/2017	21/04/2017	21/04/2017	20/04/2017	20/04/2017	20/04/2017	20/04/2017	20/04/2017	21/04/2017	21/04/2017	21/04/2017	21/04/2017	21/04/2017	01/06/2017	01/06/2017	01/06/2017	12/05/2017
	J E Sample No		172-174	183-185	216-218	219-221	93-95	96-98	21-23	24-26	27-29	266-268	407-409	383-385	171-173	174-176	413-415	186-188	308-310	312-314	315-317	318-320	204-206	207-209	210-212	97-99	100-102	121-123	127-129	130-132	192-194	189-191	195-197	198-200	201-203	512-514	515-517	526-527	404-406
	Batch Number		5	5	6	6	7	7	2	2	2	7	11	9	10	10	11	11	7	7	7	7	5	5	5	4	4	4	4	4	5	5	5	5	5	15	15	15	11
Test	Units	Assessment criteria																																					
TPH CWG																																							
Aliphatics																																							
>C5-C6	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
>C6-C8	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
>C8-C10	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total aliphatics C5-35	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	11430.00	<10	340.00	<10	<10	<10	<10	<10	6593.00	<10	<10	300.00	<10	<10	<10	2240.00	<10	<10	<10
Aromatics																																								
>C5-EC7	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
>EC7-EC8	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
>EC8-EC10	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total aromatics C5-35	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	1640.00	<10	460.00	<10	<10	<10	<10	<10	3230.00	<10	<10	340.00	<10	<10	<10	960.00	<10	<10	<10
Total aliphatics and aromatics(C5-35)	ug/l	0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	13070.00	<10	800.00	<10	<10	<10	<10	<10	9823.00	<10	<10	640.00	<10	<10	<10	3200.00	<10	<10	<10
MTBE	ug/l	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	-
Benzene	ug/l	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	<0.5	<0.5	-
Toluene	ug/l	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5	<5	<5	-
Ethylbenzene	ug/l	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	-
m/p-Xylene	ug/l	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2	<2	<2	-
o-Xylene	ug/l	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	-
Total Phenols HPLC	mg/l	0.077	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	-
Sulphate as SO4 #	mg/l	250	1.24	3.83	5.02	3.77	0.27	1.90	1.52	4.10	16.60	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	-
Chloride #	mg/l	250	<0.3	<0.3	0.80	0.60	0.60	0.40	0.30	0.40	3.10	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	-
Nitrate as NO3 #	mg/l	50	4.30	1.00	1.10	0.30	11.20	1.80	2.30	<0.2	<0.2	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	-
Ortho Phosphate as PO4 #	mg/l	0.06	<0.06	<0.06	0.19	0.09	<0.06	<0.06	0.06	<0.06	<0.06	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	-
Ammoniacal Nitrogen as N #	mg/l	0.6	<0.03	<0.03	<0.03	<0.03	0.04	0.03	<0.03	<0.03	<0.03	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	-
Bicarbonate Alkalinity as CaCO3	mg/l	n/a	79.00	54.00	51.00	29.00	82.00	59.00	99.00	61.00	85.00	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	-
Dissolved Organic Carbon	mg/l	n/a	7.00	3.00	5.00	<2	12.00	12.00	5.00	6.00	4.00	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	-
Hexavalent Chromium	mg/l	0.0034	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	-

	Sample ID		BH320	BH320	BH321	BH321	BH360	BH360	TP370	TP346R	TP346R	BH326	BH328	BH329	BH330	BH342	BH345	BH346	TP356	TP356	TP359	TP359	TP360	TP360	TP362	TP362	TP373	TP373	TP373	TP374	TP374	TP375	TP375	TP375	TP377	TP377	TP377	BH347
	Depth		0.30	0.60	0.30	2.00	0.30	0.80	0.50	1.00	2.50	1.80	2.90	2.80	2.70	2.80	2.90	3.00	0.50	1.20	0.70	1.70	0.40	1.40	1.65	0.90	1.15	1.10	1.60	1.70	0.50	1.50	0.40	1.10	1.25	0.30	0.60	1.20	4.10
	Referenced Scheme Zone		4A	4A	4B	4B	4B	4B	4C	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
			South Hinksey	South Hinksey	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill
	Meterial		Alluvium	Alluvium	Alluvium	River Terrace Deposits	Alluvium	Alluvium	Made Ground	River Terrace Deposits	Oxford Clay	River Terrace Deposits	River Terrace Deposits	River Terrace Deposits	River Terrace Deposits	River Terrace Deposits	Alluvium	River Terrace Deposits	Landfill Material	Landfill Liner	Landfill Material	Landfill Material	Landfill material	Landfill	Landfill Liner	Landfill Material	Landfill Material	Landfill Material	Landfill Material	Landfill Liner	Landfill Material	Landfill Material	Landfill Material	Landfill Material	Landfill Liner	Made Ground	Made Ground	Made Ground	River Terrace Deposits
	Sample Type		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Sampled Date		19/04/2017	19/04/2017	24/04/2017	24/04/2017	19/04/2017	19/04/2017	11/04/2017	11/04/2017	11/04/2017	21/04/2017	09/05/2017	04/05/2017	02/05/2017	02/05/2017	08/05/2017	03/05/2017	20/04/2017	20/04/2017	20/04/2017	20/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	19/04/2017	25/05/2017	25/05/2017	25/05/2017	10/05/2017
	Sample Received Date		21/04/2017	21/04/2017	26/04/2017	26/04/2017	20/04/2017	20/04/2017	13/04/2017	13/04/2017	13/04/2017	26/04/2017	12/05/2017	04/05/2017	04/05/2017	04/05/2017	12/05/2017	05/05/2017	26/04/2017	26/04/2017	26/04/2017	26/04/2017	21/04/2017	21/04/2017	21/04/2017	20/04/2017	20/04/2017	20/04/2017	20/04/2017	20/04/2017	21/04/2017	21/04/2017	21/04/2017	21/04/2017	21/04/2017	01/06/2017	01/06/2017	01/06/2017	12/05/2017
	J E Sample No		172-174	183-185	216-218	219-221	93-95	96-98	21-23	24-26	27-29	266-268	407-409	383-385	171-173	174-176	413-415	186-188	308-310	312-314	315-317	318-320	204-206	207-209	210-212	97-99	100-102	121-123	127-129	130-132	192-194	189-191	195-197	198-200	201-203	512-514	515-517	526-527	404-406
	Batch Number		5	5	6	6	7	7	2	2	2	7	11	9	10	10	11	11	7	7	7	7	5	5	5	4	4	4	4	4	5	5	5	5	5	15	15	15	11
Test	Units	Assessment criteria																																					
VOC MS																																							
Dichlorodifluoromethane	ug/l	0	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Methyl Tertiary Butyl Ether	ug/l	0	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Vinyl Chloride	ug/l	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	<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	ug/l	0	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Trichlorofluoromethane	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,1-Dichloroethene (1,1 DCE)	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Dichloromethane (DCM)	ug/l	0	-	-	-	-	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1-2-Dichloroethene	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,1-Dichloroethane	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
cis-1-2-Dichloroethene	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
2,2-Dichloropropane	ug/l	0	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromochloromethane	ug/l	0	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chloroform	ug/l	0	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1,1-Trichloroethane	ug/l	0	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloropropene	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Carbon tetrachloride	ug/l	0	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2-Dichloroethane	ug/l	0	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Benzene	ug/l	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	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene (TCE)	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,2-Dichloropropane	ug/l	0	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Dibromomethane	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Bromodichloromethane	ug/l	0	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
cis-1-3-Dichloropropene	ug/l	0	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Toluene	ug/l	0	-	-	-	-	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1-3-Dichloropropene	ug/l	0	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1,2-Trichloroethane	ug/l	0	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Tetrachloroethene (PCE)	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,3-Dichloropropane	ug/l	0	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Dibromochloromethane	ug/l	0	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2-Dibromoethane	ug/l	0	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chlorobenzene	ug/l	0	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1,1,2-Tetrachloroethane	ug/l	0	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Ethylbenzene	ug/l	0	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
p/m-Xylene	ug/l	0	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
o-Xylene	ug/l	0	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	ug/l	0	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Bromoform	ug/l	0	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Isopropylbenzene	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,1,2,2-Tetrachloroethane	ug/l	0	-	-	-	-	-	-	-	-	-	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromobenzene	ug/l	0	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2,3-Trichloropropane	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Propylbenzene	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
2-Chlorotoluene	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,3,5-Trimethylbenzene	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
4-Chlorotoluene	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
tert-Butylbenzene	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,2,4-Trimethylbenzene	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
sec-Butylbenzene	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
4-Isopropyltoluene	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,3-Dichlorobenzene	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,4-Dichlorobenzene	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
n-Butylbenzene	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,2-Dichlorobenzene	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,2-Dibromo-3-chloropropane	ug/l	0	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2,4-Trichlorobenzene	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Hexachlorobutadiene	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Naphthalene	ug/l	0	-	-	-	-	-	-		-	-		<2	<2	<2	<2	<2	<2																		<2	<2	<2	<2
1,2,3-Trichlorobenzene	ug/l	0	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Methyl Tertiary Butyl Ether	ug/l	0	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	ug/l	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	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	ug/l	0	-	-	-	-	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	ug/l	0	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
p/m-Xylene	ug/l	0	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
o-Xylene	ug/l	0	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

	Sample ID		BH320	BH320	BH321	BH321	BH360	BH360	TP370	TP346R	TP346R	BH326	BH328	BH329	BH330	BH342	BH345	BH346	TP356	TP356	TP359	TP359	TP360	TP360	TP362	TP362	TP373	TP373	TP373	TP374	TP374	TP375	TP375	TP375	TP377	TP377	TP377	BH347
	Depth		0.30	0.60	0.30	2.00	0.30	0.80	0.50	1.00	2.50	1.80	2.90	2.80	2.70	2.80	2.90	3.00	0.50	1.20	0.70	1.70	0.40	1.40	1.65	0.90	1.15	1.10	1.60	1.70	0.50	1.50	0.40	1.10	1.25	0.30	0.60	1.20	4.10
	Referenced Scheme Zone		4A	4A	4B	4B	4B	4B	4C	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
			South Hinksey	South Hinksey	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Kenn. E Landfill	Kenn. E Landfill	Kenn. E Landfill

	Sample ID		BH334	BH334	BH334	BH334 ROT REV1	TP382	BH369	BH369	BH369	BH314A	BH314A	BH357	BH357	TP338	TP341	TP341	TP342	TP363	TP363	TP363	BH331	BH348	TP378	TP378	TP379	TP379	TP379
	Depth		0.30-0.40	12.00	4.50	0.50-0.70	2.50	0.50	10.75	4.50	0.40	0.80	0.30	0.60	0.40	0.10	0.30	1.60	0.70	1.50	2.10	4.30	4.50	0.50	2.30	0.70	1.80	3.00
	Referenced Scheme Zone		4E	4E	4E	4E	4E	4E	4E	4E	4F	4F	4F	4F	4F	4F	4F	4F	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H
			A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill
	Meterial		Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	River Terrace Deposits	Made Ground	Alluvium	Alluvium	Made Ground	Alluvium	Alluvium	Topsoil	Alluvium	River Terrace Deposits	Landfill Material	Landfill Material	Landfill Material	River Terrace Deposits	River Terrace Deposits	Landfill Material	Made Ground	Landfill Material	Landfill Material	Landfill Material
	Sample Type		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Sampled Date		19/04/2017	19/04/2017	19/04/2017	25/05/2017	28/04/2017	11/05/2017	18/05/2017	12/05/2017	21/04/2017	21/04/2017	19/04/2017 13:35	19/04/2017 14:00	20/04/2017	18/04/2017	18/04/2017	18/04/2017	05/05/2017	05/05/2017	05/05/2017	10/05/2017	08/05/2017	09/05/2017	09/05/2017	05/05/2017	05/05/2017	05/05/2017
	Sample Received Date		21/04/2017	21/04/2017	21/04/2017	01/06/2017	03/05/2017	13/05/2017	20/05/2017	13/05/2017	26/04/2017	26/04/2017	21/04/2017	21/04/2017	26/04/2017	20/04/2017	20/04/2017	20/04/2017	09/05/2017	09/05/2017	09/05/2017	13/05/2017	12/05/2017	13/05/2017	13/05/2017	09/05/2017	09/05/2017	09/05/2017
	J E Sample No		145-147	148-151	152-155	503-505	147-149	446-448	233-235	449-451	280-282	283-285	136-138	139-141	303-305	112-114	115-117	109-111	390-392	393-395	387-389	443-445	410-412	431-433	425-427	401-403	398-400	396-397
	Batch Number		5	5	5	15	9	12	12	12	7	7	5	5	7	4	4	4	10	10	10	12	11	12	12	10	10	10
Test	Units	Assessment criteria																										
pH	pH units	8.5	7.51	7.40	7.83	7.82	7.94	6.85	7.04	6.93	7.16	7.29	7.68	7.08	6.89	7.51	7.33	6.79	-	-	-	-	-	-	-	-	-	-
Metals																												
Dissolved Arsenic #	ug/l	50	<2.5	<2.5	4.30	3.80	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	2.90	<2.5	<2.5	-	-	-	-	-	-	-	-	-	-
Dissolved Boron #	ug/l	1000	331.00	96.00	870.00	84.00	1105.00	<12	33.00	23.00	16.00	12.00	23.00	18.00	<12	53.00	76.00	<12	-	-	-	-	-	-	-	-	-	-
Dissolved Cadmium #	ug/l	0.25	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
Dissolved Chromium #	ug/l	3.4	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	-	-	-	-	-	-	-	-	-	-
Dissolved Copper #	ug/l	1	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	-	-	-	-	-	-	-	-	-	-
Dissolved Lead #	ug/l	1.2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	-	-	-	-	-	-	-
Dissolved Mercury #	ug/l	0.07	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-
Dissolved Nickel #	ug/l	4	<2	<2	2.00	<2	3.00	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	-	-	-	-	-	-	-	-	-	-
Dissolved Zinc #	ug/l	10.9	27.00	<3	<3	5.00	10.00	3.00	<3	4.00	5.00	4.00	6.00	6.00	<3	9.00	<3	3.00	-	-	-	-	-	-	-	-	-	-
PAH MS																												
Acenaphthene	ug/l	0	<0.013	<0.013	0.20	0.11	0.03	0.42	0.04	<0.013	0.09	0.06	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	ug/l	0	0.02	<0.013	0.01	0.03	0.16	0.03	0.02	<0.013	0.04	0.02	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	-	-	-	-	-	-	-	-	-	-
Anthracene	ug/l	0.1	0.02	<0.013	0.04	0.04	0.12	0.04	<0.013	<0.013	0.05	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	ug/l	0	0.10	<0.015	0.02	0.04	0.42	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	ug/l	0.00017	0.14	<0.016	0.02	0.07	0.50	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	ug/l	0.017	0.16	<0.01	0.03	0.07	0.56	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-
Benzo(bk)fluoranthene	ug/l	0.017	0.22	<0.018	0.04	0.10	0.78	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	ug/l	0.0082	0.08	<0.011	0.02	0.04	0.33	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	ug/l	0.017	0.06	<0.01	0.01	0.03	0.22	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-
Chrysene	ug/l	0	0.12	<0.011	0.03	0.06	0.44	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	-	-	-	-	-	-	-	-	-	-
Dibenzo(ah)anthracene	ug/l	0	0.01	<0.01	<0.01	<0.01	0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-
Fluoranthene	ug/l	0.0063	0.16	<0.012	0.09	0.08	0.70	0.04	<0.012	<0.012	0.04	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	-	-	-	-	-	-	-	-	-	-
Fluorene	ug/l	0	<0.014	<0.014	0.09	0.12	0.04	0.22	0.03	<0.014	0.13	0.04	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	-	-	-	-	-	-	-	-	-	-
Indeno(123cd)pyrene	ug/l	0	0.09	<0.011	0.02	0.03	0.32	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/l	2	<0.1	<0.1	0.10	<0.1	<0.1	0.20	<0.1	<0.1	0.10	<0.1	0.20	0.10	<0.1	0.10	0.10	0.10	-	-	-	-	-	-	-	-	-	-
PAH 16 Total	ug/l	0.1	1.14	<0.195	0.94	0.97	4.80	1.31	<0.195	<0.195	0.82	<0.195	0.20	<0.195	<0.195	<0.195	<0.195	<0.195	-	-	-	-	-	-	-	-	-	-
Phenanthrene	ug/l	0	0.04	<0.011	0.19	0.17	0.25	0.34	0.05	0.01	0.33	0.05	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	-	-	-	-	-	-	-	-	-	-
Pyrene	ug/l	0	0.16	<0.013	0.07	0.08	0.63	0.03	<0.013	<0.013	0.03	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	-	-	-	-	-	-	-	-	-	-
TPH CWG																												
Aliphatics																												
>C10-C12	ug/l	10	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
>C12-C16	ug/l	10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
>C16-C21	ug/l	10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	150.00	<10	<10	<10	<10	<10	<10	<10	<10
>C21-C35	ug/l	10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	1370.00	470.00	<10	<10	<10	<10	<10	<10	<10
Aromatics																												
>EC10-EC12	ug/l	10	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
>EC12-EC16	ug/l	10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
>EC16-EC21	ug/l	10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	190.00	20.00	<10	<10	<10	<10	<10	<10	<10
>EC21-EC35	ug/l	10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	900.00	90.00	<10	<10	<10	<10	<10	<10	<10
Dissolved Calcium #	mg/l	n/a	181.60	29.00	50.90	42.80	74.90	16.20	14.90	20.70	35.90	24.80	37.60	22.50	25.30	42.00	41.70	16.20	-	-	-	-	-	-	-	-	-	-
Dissolved Magnesium #	mg/l	n/a	4.80	2.00	4.80	0.90	8.80	0.20	0.40	0.60	0.40	0.10	1.10	0.50	0.20	1.30	0.70	0.30	-	-	-	-	-	-	-	-	-	-
Dissolved Sodium #	mg/l	n/a	4.10	2.60	18.60	2.00	6.20	1.10	1.30	3.50	0.50	0.30	0.90	1.40	<0.1	2.80	3.70	1.20	-	-	-	-	-	-	-	-	-	-

	Sample ID		BH334	BH334	BH334	BH334 ROT REV1	TP382	BH369	BH369	BH369	BH314A	BH314A	BH357	BH357	TP338	TP341	TP341	TP342	TP363	TP363	TP363	BH331	BH348	TP378	TP378	TP379	TP379	TP379
	Depth		0.30-0.40	12.00	4.50	0.50-0.70	2.50	0.50	10.75	4.50	0.40	0.80	0.30	0.60	0.40	0.10	0.30	1.60	0.70	1.50	2.10	4.30	4.50	0.50	2.30	0.70	1.80	3.00
Referenced Scheme Zone			4E	4E	4E	4E	4E	4E	4E	4E	4F	4F	4F	4F	4F	4F	4F	4F	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H
			A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill
	Meterial		Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	River Terrace Deposits	Made Ground	Alluvium	Alluvium	Made Ground	Alluvium	Alluvium	Topsoil	Alluvium	River Terrace Deposits	Landfill Material	Landfill Material	Landfill Material	River Terrace Deposits	River Terrace Deposits	Landfill Material	Made Ground	Landfill Material	Landfill Material	Landfill Material
	Sample Type		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Sampled Date		19/04/2017	19/04/2017	19/04/2017	25/05/2017	28/04/2017	11/05/2017	18/05/2017	12/05/2017	21/04/2017	21/04/2017	19/04/2017 13:35	19/04/2017 14:00	20/04/2017	18/04/2017	18/04/2017	18/04/2017	05/05/2017	05/05/2017	05/05/2017	10/05/2017	08/05/2017	09/05/2017	09/05/2017	05/05/2017	05/05/2017	05/05/2017
Sample Received Date			21/04/2017	21/04/2017	21/04/2017	01/06/2017	03/05/2017	13/05/2017	20/05/2017	13/05/2017	26/04/2017	26/04/2017	21/04/2017	21/04/2017	26/04/2017	20/04/2017	20/04/2017	20/04/2017	09/05/2017	09/05/2017	09/05/2017	13/05/2017	12/05/2017	13/05/2017	13/05/2017	09/05/2017	09/05/2017	09/05/2017
	J E Sample No		145-147	148-151	152-155	503-505	147-149	446-448	233-235	449-451	280-282	283-285	136-138	139-141	303-305	112-114	115-117	109-111	390-392	393-395	387-389	443-445	410-412	431-433	425-427	401-403	398-400	396-397
	Batch Number		5	5	5	15	9	12	12	12	7	7	5	5	7	4	4	4	10	10	10	12	11	12	12	10	10	10
Test	Units	Assessment criteria																										
TPH CWG																												
Aliphatics																												
>C5-C6	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
>C6-C8	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
>C8-C10	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	16.00	23.00	<10	<10	<10	<10	<10	<10	<10
Total aliphatics C5-35	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	1536.00	493.00	<10	<10	<10	<10	<10	<10	<10
Aromatics																												
>C5-EC7	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
>EC7-EC8	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
>EC8-EC10	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total aromatics C5-35	ug/l	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	1090.00	110.00	<10	<10	<10	<10	<10	<10	<10
Total aliphatics and aromatics(C5-35)	ug/l	0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	2626.00	603.00	<10	<10	<10	<10	<10	<10	<10
MTBE	ug/l	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5				-	-	NA	NA			
Benzene	ug/l	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5				-	-	NA	NA			
Toluene	ug/l	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5				-	-	NA	NA			
Ethylbenzene	ug/l	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5				-	-	NA	NA			
m/p-Xylene	ug/l	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5				-	-	NA	NA			
o-Xylene	ug/l	10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5				-	-	NA	NA			
Total Phenols HPLC	mg/l	0.077	0.35	0.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05				-	-	NA	NA			
Sulphate as SO4 #	mg/l	250	336.96	23.80	110.67	39.94	163.53	0.31	9.08	13.26	0.60	3.18	0.62	4.60	1.57	1.84	9.93	2.58				-	-	NA	NA			
Chloride #	mg/l	250	0.60	1.50	1.80	0.70	0.70	0.30	<0.3	1.60	0.40	<0.3	0.60	0.60	0.40	2.20	0.50	0.90				-	-	NA	NA			
Nitrate as NO3 #	mg/l	50	1.70	0.40	0.40	3.10	1.80	0.30	<0.2	0.30	8.60	3.10	10.10	1.20	1.40	11.80	2.30	0.90				-	-	NA	NA			
Ortho Phosphate as PO4 #	mg/l	0.06	<0.06	<0.06	0.09	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	0.26	<0.06	0.77				-	-	NA	NA			
Ammoniacal Nitrogen as N #	mg/l	0.6	<0.03	0.70	5.68	<0.03	4.86	<0.03	0.23	0.15	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.05				-	-	NA	NA			
Bicarbonate Alkalinity as CaCO3	mg/l	n/a	106.00	94.00	140.00	98.00	115.00	38.00	32.00	42.00	70.00	57.00	105.00	78.00	78.00	107.00	115.00	61.00				-	-	NA	NA			
Dissolved Organic Carbon	mg/l	n/a	3.00	5.00	11.00	3.00	11.00	4.00	<2	6.00	8.00	5.00	15.00	8.00	17.00	17.00	10.00	5.00				-	-	NA	NA			
Hexavalent Chromium	mg/l	0.0034	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006				-	-	NA	NA			

	Sample ID		BH334	BH334	BH334	BH334 ROT REV1	TP382	BH369	BH369	BH369	BH314A	BH314A	BH357	BH357	TP338	TP341	TP341	TP342	TP363	TP363	TP363	BH331	BH348	TP378	TP378	TP379	TP379	TP379
	Depth		0.30-0.40	12.00	4.50	0.50-0.70	2.50	0.50	10.75	4.50	0.40	0.80	0.30	0.60	0.40	0.10	0.30	1.60	0.70	1.50	2.10	4.30	4.50	0.50	2.30	0.70	1.80	3.00
	Referenced Scheme Zone		4E	4E	4E	4E	4E	4E	4E	4E	4F	4F	4F	4F	4F	4F	4F	4F	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H
			A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill
	Meterial		Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	River Terrace Deposits	Made Ground	Alluvium	Alluvium	Made Ground	Alluvium	Alluvium	Topsoil	Alluvium	River Terrace Deposits	Landfill Material	Landfill Material	Landfill Material	River Terrace Deposits	River Terrace Deposits	Landfill Material	Made Ground	Landfill Material	Landfill Material	Landfill Material
	Sample Type		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Sampled Date		19/04/2017	19/04/2017	19/04/2017	25/05/2017	28/04/2017	11/05/2017	18/05/2017	12/05/2017	21/04/2017	21/04/2017	19/04/2017 13:35	19/04/2017 14:00	20/04/2017	18/04/2017	18/04/2017	18/04/2017	05/05/2017	05/05/2017	05/05/2017	10/05/2017	08/05/2017	09/05/2017	09/05/2017	05/05/2017	05/05/2017	05/05/2017
	Sample Received Date		21/04/2017	21/04/2017	21/04/2017	01/06/2017	03/05/2017	13/05/2017	20/05/2017	13/05/2017	26/04/2017	26/04/2017	21/04/2017	21/04/2017	26/04/2017	20/04/2017	20/04/2017	20/04/2017	09/05/2017	09/05/2017	09/05/2017	13/05/2017	12/05/2017	13/05/2017	13/05/2017	09/05/2017	09/05/2017	09/05/2017
	J E Sample No		145-147	148-151	152-155	503-505	147-149	446-448	233-235	449-451	280-282	283-285	136-138	139-141	303-305	112-114	115-117	109-111	390-392	393-395	387-389	443-445	410-412	431-433	425-427	401-403	398-400	396-397
	Batch Number		5	5	5	15	9	12	12	12	7	7	5	5	7	4	4	4	10	10	10	12	11	12	12	10	10	10
Test	Units	Assessment criteria																										
VOC MS																												
Dichlorodifluoromethane	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Methyl Tertiary Butyl Ether	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Vinyl Chloride	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bromomethane	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Trichlorofluoromethane	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,1-Dichloroethene (1,1 DCE)	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Dichloromethane (DCM)	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1-2-Dichloroethene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,1-Dichloroethane	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
cis-1-2-Dichloroethene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
2,2-Dichloropropane	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromochloromethane	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chloroform	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1,1-Trichloroethane	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloropropene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Carbon tetrachloride	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2-Dichloroethane	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Benzene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene (TCE)	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,2-Dichloropropane	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Dibromomethane	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Bromodichloromethane	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
cis-1-3-Dichloropropene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Toluene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1-3-Dichloropropene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1,2-Trichloroethane	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Tetrachloroethene (PCE)	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,3-Dichloropropane	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Dibromochloromethane	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2-Dibromoethane	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chlorobenzene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1,1,2-Tetrachloroethane	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Ethylbenzene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
p/m-Xylene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
o-Xylene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Bromoform	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Isopropylbenzene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,1,2,2-Tetrachloroethane	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromobenzene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2,3-Trichloropropane	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Propylbenzene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
2-Chlorotoluene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,3,5-Trimethylbenzene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
4-Chlorotoluene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
tert-Butylbenzene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,2,4-Trimethylbenzene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
sec-Butylbenzene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
4-Isopropyltoluene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,3-Dichlorobenzene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,4-Dichlorobenzene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
n-Butylbenzene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,2-Dichlorobenzene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,2-Dibromo-3-chloropropane	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2,4-Trichlorobenzene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Hexachlorobutadiene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Naphthalene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-					<2					
1,2,3-Trichlorobenzene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Methyl Tertiary Butyl Ether	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
p/m-Xylene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
o-Xylene	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

	Sample ID		BH334	BH334	BH334	BH334 ROT REV1	TP382	BH369	BH369	BH369	BH314A	BH314A	BH357	BH357	TP338	TP341	TP341	TP342	TP363	TP363	TP363	BH331	BH348	TP378	TP378	TP379	TP379	TP379
	Depth		0.30-0.40	12.00	4.50	0.50-0.70	2.50	0.50	10.75	4.50	0.40	0.80	0.30	0.60	0.40	0.10	0.30	1.60	0.70	1.50	2.10	4.30	4.50	0.50	2.30	0.70	1.80	3.00
Referenced Scheme Zone			4E	4E	4E	4E	4E	4E	4E	4E	4F	4F	4F	4F	4F	4F	4F	4F	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H
			A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	A423 Culvert W	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill	Redbridge Landfill
	Meterial		Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	River Terrace Deposits	Made Ground	Alluvium	Alluvium	Made Ground	Alluvium	Alluvium	Topsoil	Alluvium	River Terrace Deposits	Landfill Material	Landfill Material	Landfill Material	River Terrace Deposits	River Terrace Deposits	Landfill Material	Made Ground	Landfill Material	Landfill Material	Landfill Material
	Sample Type		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Sampled Date		19/04/2017	19/04/2017	19/04/2017	25/05/2017	28/04/2017	11/05/2017	18/05/2017	12/05/2017	21/04/2017	21/04/2017	19/04/2017 13:35	19/04/2017 14:00	20/04/2017	18/04/2017	18/04/2017	18/04/2017	05/05/2017	05/05/2017	05/05/2017	10/05/2017	08/05/2017	09/05/2017	09/05/2017	05/05/2017	05/05/2017	05/05/2017
Sample Received Date			21/04/2017	21/04/2017	21/04/2017	01/06/2017	03/05/2017	13/05/2017	20/05/2017	13/05/2017	26/04/2017	26/04/2017	21/04/2017	21/04/2017	26/04/2017	20/04/2017	20/04/2017	20/04/2017	09/05/2017	09/05/2017	09/05/2017	13/05/2017	12/05/2017	13/05/2017	13/05/2017	09/05/2017	09/05/2017	09/05/2017
	J E Sample No		145-147	148-151	152-155	503-505	147-149	446-448	233-235	449-451	280-282	283-285	136-138	139-141	303-305	112-114	115-117	109-111	390-392	393-395	387-389	443-445	410-412	431-433	425-427	401-403	398-400	396-397
	Batch Number		5	5	5	15	9	12	12	12	7	7	5	5	7	4	4	4	10	10	10	12	11	12	12	10	10	10
Test	Units	Assessment criteria																										
SVOC MS																												
Phenols																												
2-Chlorophenol	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Methylphenol	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Nitrophenol	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-Dichlorophenol	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-Dimethylphenol	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,4,5-Trichlorophenol	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4,6-Trichlorophenol	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chloro-3-methylphenol	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-Methylphenol	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Nitrophenol	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Pentachlorophenol	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Phenol	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
PAHs																												
2-Chloronaphthalene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Methylnaphthalene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Naphthalene	ug/l	2	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthylene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Acenaphthene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Fluorene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Phenanthrene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Anthracene	ug/l	0.1	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fluoranthene	ug/l	0.0063	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<0.5	8.40	1.60	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Pyrene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<0.5	14.20	1.90	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)anthracene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<0.5	4.40	1.00	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chrysene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<0.5	4.70	1.00	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(bk)fluoranthene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	5.00	2.00	<1	<1	<1	<1	<1	<1	<1
Benzo(a)pyrene	ug/l	0.00017	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	2.00	<1	<1	<1	<1	<1	<1	<1	<1
Indeno(123cd)pyrene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	1.00	<1	<1	<1	<1	<1	<1	<1	<1
Dibenzo(ah)anthracene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(ghi)perylene	ug/l	0.0082	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<0.5	1.20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Phthalates																												
Bis(2-ethylhexyl) phthalate	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Butylbenzyl phthalate	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Di-n-butyl phthalate	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Di-n-Octyl phthalate	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Diethyl phthalate	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dimethyl phthalate	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Other SVOCs																												
1,2-Dichlorobenzene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-Dichlorobenzene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Nitroaniline	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,4-Dinitrotoluene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,6-Dinitrotoluene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
3-Nitroaniline	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Bromophenylphenylether	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chloroaniline	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chlorophenylphenylether	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Nitroaniline	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Azobenzene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bis(2-chloroethoxy)methane	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bis(2-chloroethyl)ether	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbazole	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dibenzofuran	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Hexachlorobenzene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorocyclopentadiene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachloroethane	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Isophorone	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
N-nitrosodi-n-propylamine	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Nitrobenzene	ug/l	0	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benazolin	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.3	<0.2	<0.2
Bentazone	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.3	<0.2	<0.2
Bromoxynil	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.3	<0.2	<0.2
Clopyralid	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.3	<0.2	<0.2
4 - CPA	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.3	<0.2	<0.2
2,4 - D	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.3	<0.2	<0.2
2,4 - DB	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.3	<0.2	<0.2
Dicamba	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.3	<0.2	<0.2
Dichloroprop	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.3	<0.2	<0.2
Diclofop	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.3	<0.2	<0.2
Fenoprop	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.3	<0.2	<0.2
Flamprop	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.3	<0.2	<0.2
Flamprop – isopropyl	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.3	<0.2	<0.2
Ioxynil	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.3	<0.2	<0.2
MCPA	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.3	<0.2	<0.2
MCPB	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.3	<0.2	<0.2
Mecoprop	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.3	<0.2	<0.2
Picloram	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.3	<0.2	<0.2
Pentachlorophenol	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.3	<0.2	<0.2
2,4,5 - T	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.3	<0.2	<0.2
2,3,6 - TBA	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.3	<0.2	<0.2
Triclopyr	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.3	<0.2	<0.2
PCBs																												
PCB 28	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	0.30	0.30	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PCB 52	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PCB 101	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PCB 118	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PCB 138	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PCB 153	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PCB 180	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total 7 PCBs	ug/l	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7

Appendix C
Groundwater Results

				BH123	BH125 W1	BH101 W1	BH102	BH103 W1	BH104	BH105 W1	WS119	WS120	BH106	BH109	BH110	BH112W1	BH113	BH114W1	BH121 W1	BH122W1
			Sampled Date	23/05/08	22/05/08	22/05/08	23/05/08	22/05/08	27/05/08	22/05/08	27/05/08	27/05/08	29/05/08	23/05/08	23/05/08	21/05/08	29/05/08	21/05/08	22/05/08	21/05/08
			Formation	RTD	RTD	RTD	OXC	RTD	RTD	RTD	OXC	RTD	MG	MG (Landfill)	MG (Landfill)	MG (Landfill)	MG (Landfill)	MG (Landfill)	RTD	RTD
			Relevant Scheme Zone	1A	1B	2A	2A	3B	4B	4B	4C	4C	Temp.area	4D	4D	4G	4H	4H	4E	4H
			Area description	N of Botley Rd.	N of Botley Rd.	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Cold-harbour	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	A423 (E) Culvert	A423 (E) Culvert	A423 (E) Culvert	A423 (W) Culvert	A423 (E) Culvert
			Comment on location	Adj. to stream	Adj. allotments	S of Botley Rd	S of Botley Rd	Hole just outside scheme zone, Adj. North Hinksey	Hole outside scheme zone -Adj. Electric sub-station	Hole outside scheme area zone - Adj. Hinksey Stream/	Adj. to railway nr. OAR	N of OAR, nr. Kenn Rd. W landfill	Cold-harbour landfill	In Kenn. Rd. E landfill	In Kenn. Rd. E landfill	In Redbridge Landfill (outside scheme zone)	In Redbridge Landfill (outside scheme zone)	In Redbridge Landfill	S side of ring road	S side of ring road
Metals:	**Units**	**Screen- ing Values**	**Source of Screening Value**																	
Arsenic Dissolved (ICP-MS)	ug/l	50	EQS AA	<0.75	1.2	1.7	<0.75	3.2	1.1	1.9	<0.75	<0.75	1.2	<0.75	1.4	2.3	2.6	<0.75	1.0	2.4
Boron Dissolved (ICP-MS)	ug/l	1000	UK DWS	<20	67.0	95.0	53.0	69.0	70.0	160.0	<20	69.0	780.0	350.0	960.0	550.0	410.0	140.0	66.0	68.0
Cadmium Dissolved (ICP-MS)	ug/l	0.25	EQS AA (Hard water)	<0.22	<0.22	<0.22	<0.22	0.3	<0.22	<0.22	<0.22	<0.22	0.4	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
Chromium Dissolved (ICP-MS)	ug/l	3.4	EQS AA for Cr VI	3.0	1.0	3.0	4.0	2.0	1.0	2.0	6.0	7.0	3.0	7.0	9.0	7.0	12.0	7.0	2.0	5.0
Copper Dissolved (ICP-MS)	ug/l	1	Min. EQS AA (Bioavailable)	<1.6	<1.6	<1.6	<1.6	2.9	1.9	3.1	<1.6	<1.6	4.2	<1.6	<1.6	19.0	<1.6	<1.6	<1.6	<1.6
Iron Dissolved (ICP-MS)	ug/l	1000	EQS AA	<50	<50	96.0	80.0	<50	<50	<50	<50	<50	150.0	180.0	250.0	78.0	350.0	95.0	<50	78.0
Lead Dissolved (ICP-MS)	ug/l	1.2	Min. EQS AA (Bioavailable)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	1.9	<0.4	<0.4	0.9	<0.4	<0.4	<0.4	<0.4
Nickel Dissolved (ICP-MS)	ug/l	4	Min. EQS AA (Bioavailable)	5.6	3.1	9.3	3.5	4.8	6.4	4.4	14.0	5.7	30.0	17.0	14.0	11.0	13.0	3.5	4.0	6.3
Selenium Dissolved (ICP-MS)	ug/l	10	UK DWS	<1	<1	<1	<1	4.0	2.0	1.0	1.0	<1	<1	<1	<1	3.0	<1	<1	1.0	7.0
Zinc Dissolved (ICP-MS)	ug/l	10.9	Min. EQS AA (Bioavailable)	<5	<5	13.0	7.0	<5	<5	14.0	<5	<5	110.0	<5	<5	12.0	<5	6.0	9.0	11.0
Mercury Dissolved (CVAF)	ug/l	0.07	EQS MAC	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BOD	mg/l		n/a - indicator only	<1	<1	2.0	15.0	<1	3.0	1.0	5.0	23.0	2.0	11.0	16.0	17.0	3.0	2.0	2.0	3.0
COD	mg/l		n/a - indicator only	51.0	24.0	190.0	47.0	61.0	110.0	15.0	24.0	660.0	70.0	350.0	780.0	560.0	110.0	29.0	41.0	220.0
Hardness Total	mg/l		n/a - indicator only	510.0	390.0	670.0	590.0	460.0	390.0	330.0	410.0	440.0	770.0	840.0	330.0	600.0	300.0	400.0	310.0	420.0
Nitrite as NO2	mg/l		n/a - indicator only	<0.05	0.1	<0.05	<0.05	0.1	<0.05	<0.05	<0.05	2.1	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Sulphate (soluble)	mg/l	250	UK DWS	18.0	42.0	51.0	140.0	48.0	68.0	39.0	110.0	76.0	360.0	61.0	10.0	4.0	9.0	<3	50.0	43.0
Sulphide	mg/l		n/a - indicator only	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total Ammonia as NH3	mg/l	0.6	UK EQS AA	0.9	<0.2	2.1	<0.2	<0.2	<0.2	0.5	<0.2	<0.2	3.2	53.0	95.0	73.0	43.0	43.0	0.4	5.8
Total Organic Carbon	mg/l		n/a - indicator only	4.0	4.0	10.0	6.0	9.0	6.0	3.0	9.0	3.0	12.0	26.0	25.0	16.0	14.0	10.0	3.0	8.0
Ammonia Free as NH3	mg/l		n/a - indicator only	<1	<1	3.0	<1	<1	<1	<1	<1	<1	3.0	60.0	110.0	63.0	37.0	38.0	<1	6.0
Total Cyanide	mg/l			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Free Cyanide	mg/l			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
pH Value	pH Units	6.5-8.5	EQS	7.5	7.8	7.5	7.6	7.7	7.5	7.8	7.4	7.4	7.6	7.4	7.3	7.1	7.4	7.0	7.8	7.5
Phenols																				
Formaldehyde	mg/l	0	Screened against detection	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	-	-
Resorcinol	mg/l	0	Screened against detection	-	-	-	<0.02	-	-	-	<0.02	-	<0.02	-	<0.02	-	<0.02	-	<0.02	<0.02
Catechol	mg/l	0	Screened against detection	-	-	-	<0.01	-	-	-	<0.01	-	<0.01	-	<0.01	-	<0.01	-	<0.01	<0.01
Phenol	mg/l	0	Screened against detection	-	-	-	<0.02	-	-	-	<0.02	-	<0.02	-	<0.02	-	<0.02	-	<0.02	<0.02
Cresols	mg/l	0	Screened against detection	-	-	-	<0.07	-	-	-	<0.07	-	<0.07	-	<0.07	-	<0.07	-	<0.07	<0.07
Xylenols	mg/l	0	Screened against detection	-	-	-	<0.17	-	-	-	<0.17	-	<0.17	-	<0.17	-	<0.17	-	<0.17	<0.17
1 Napthol	mg/l	0	Screened against detection	-	-	-	<0.03	-	-	-	<0.03	-	<0.03	-	<0.03	-	<0.03	-	<0.03	<0.03
2.3.5 Trimethyl-Phenol	mg/l	0	Screened against detection	-	-	-	<0.03	-	-	-	<0.03	-	<0.03	-	<0.03	-	<0.03	-	<0.03	<0.03
2-Isopropyl Phenol	mg/l	0	Screened against detection	-	-	-	<0.03	-	-	-	<0.03	-	<0.03	-	<0.03	-	<0.03	-	<0.03	<0.03
Phenols Total of 8 Speciated	mg/l	0	Screened against detection	-	-	-	<0.37	-	-	-	<0.37	-	<0.37	-	<0.37	-	<0.37	-	<0.37	<0.37
Phenols Monohydric	mg/l	0.077	UK EQS AA	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Hydrocarbons																				
GRO (C4-C12)	ug/l	10	UK EQS AA for Benzene	-	-	-	-	-	-	-	22.0	-	<10	-	<10	-	<10	-	<10	<10
MTBE	ug/l	10	UK EQS AA for Benzene	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10

				BH123	BH125 W1	BH101 W1	BH102	BH103 W1	BH104	BH105 W1	WS119	WS120	BH106	BH109	BH110	BH112W1	BH113	BH114W1	BH121 W1	BH122W1
			Sampled Date	23/05/08	22/05/08	22/05/08	23/05/08	22/05/08	27/05/08	22/05/08	27/05/08	27/05/08	29/05/08	23/05/08	23/05/08	21/05/08	29/05/08	21/05/08	22/05/08	21/05/08
			Formation	RTD	RTD	RTD	OXC	RTD	RTD	RTD	OXC	RTD	MG	MG (Landfill)	MG (Landfill)	MG (Landfill)	MG (Landfill)	MG (Landfill)	RTD	RTD
			Relevant Scheme Zone	1A	1B	2A	2A	3B	4B	4B	4C	4C	Temp.area	4D	4D	4G	4H	4H	4E	4H
			Area description	N of Botley Rd.	N of Botley Rd.	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Cold-harbour	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	A423 (E) Culvert	A423 (E) Culvert	A423 (E) Culvert	A423 (W) Culvert	A423 (E) Culvert
			Comment on location	Adj. to stream	Adj. allotments	S of Botley Rd	S of Botley Rd	Hole just outside scheme zone, Adj. North Hinksey	Hole outside scheme zone -Adj. Electric sub-station	Hole outside scheme area zone - Adj. Hinksey Stream/	Adj. to railway nr. OAR	N of OAR, nr. Kenn Rd. W landfill	Cold-harbour landfill	In Kenn. Rd. E landfill	In Kenn. Rd. E landfill	In Redbridge Landfill (outside scheme zone)	In Redbridge Landfill (outside scheme zone)	In Redbridge Landfill	S side of ring road	S side of ring road
Benzene	ug/l	10	UK EQS AA for Benzene	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Toluene	ug/l	10	UK EQS AA for Benzene	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Ethyl benzene	ug/l	10	UK EQS AA for Benzene	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
m & p Xylene	ug/l	10	UK EQS AA for Benzene	-	-	-	-	-	-	-	22.0	-	<10	-	<10	-	<10	-	<10	<10
o Xylene	ug/l	10	UK EQS AA for Benzene	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Aliphatics C5-C6	ug/l	10	UK EQS AA for Benzene	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Aliphatics >C6-C8	ug/l	10	UK EQS AA for Benzene	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Aliphatics >C8-C10	ug/l	10	UK EQS AA for Benzene	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Aliphatics >C10-C12	ug/l	10	UK EQS AA for Benzene	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Aliphatics >C12-C16 Aqueous	ug/l	10	UK EQS AA for Benzene	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Aliphatics >C16-C21 Aqueous	ug/l	10	UK EQS AA for Benzene	-	-	-	-	-	-	-	34.0	-	40.0	-	<10	-	33.0	-	<10	<10
Aliphatics >C21-C35 Aqueous	ug/l	10	UK EQS AA for Benzene	-	-	-	-	-	-	-	2200.0	-	770.0	-	200.0	-	570.0	-	<10	<10
Total Aliphatics C5-C35 Aqueous	ug/l	10	UK EQS AA for Benzene	-	-	-	-	-	-	-	2300.0	-	810.0	-	200.0	-	610.0	-	<10	<10
Aromatics C6-C7	ug/l	10	UK EQS AA for Benzene	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Aromatics >C7-C8	ug/l	10	UK EQS AA for Benzene	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Aromatics >EC8-EC10	ug/l	10	UK EQS AA for Benzene	-	-	-	-	-	-	-	22.0	-	<10	-	<10	-	<10	-	<10	<10
Aromatics >EC10-EC12	ug/l	10	UK EQS AA for Benzene	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Aromatics >EC12-EC16 Aqueous	ug/l	10	UK EQS AA for Benzene	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Aromatics >EC16-EC21 Aqueous	ug/l	10	UK EQS AA for Benzene	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Aromatics >EC21-EC35 Aqueous	ug/l	10	UK EQS AA for Benzene	-	-	-	-	-	-	-	250.0	-	<10	-	<10	-	<10	-	<10	<10
Total Aromatics C6-C35 Aqueous	ug/l	10	UK EQS AA for Benzene	-	-	-	-	-	-	-	280.0	-	<10	-	<10	-	<10	-	<10	<10
TPH (Alip/Arom C5-C35)	ug/l	10	UK EQS AA for Benzene	-	-	-	-	-	-	-	2500.0	-	810.0	-	200.0	-	610.0	-	<10	<10
EPH (DRO) (C10-C40) Aqueous	ug/l	10	UK EQS AA for Benzene	<10	<10	<10	86.0	-	<10	<10	-	280.0	-	380.0	-	350.0	-	330.0	-	-
GRO (C4-C10)	ug/l	10	UK EQS AA for Benzene	<10	<10	<10	<10	-	<10	<10	-	<10	-	<10	-	<10	-	<10	-	-
GRO (C10-C12)	ug/l	10	UK EQS AA for Benzene	<10	<10	<10	<10	-	<10	<10	-	<10	-	<10	-	<10	-	<10	-	-
Benzene	ug/l	10	UK EQS AA for Benzene	<10	<10	<10	<10	-	<10	<10	-	<10	-	<10	-	<10	-	<10	-	-
Toluene	ug/l	10	UK EQS AA for Benzene	<10	<10	<10	<10	-	<10	<10	-	<10	-	<10	-	<10	-	<10	-	-
Ethyl benzene	ug/l	10	UK EQS AA for Benzene	<10	<10	<10	<10	-	<10	<10	-	<10	-	<10	-	<10	-	<10	-	-
m & p Xylene	ug/l	10	UK EQS AA for Benzene	<10	<10	<10	<10	-	<10	<10	-	<10	-	<10	-	<10	-	<10	-	-
o Xylene	ug/l	10	UK EQS AA for Benzene	<10	<10	<10	<10	-	<10	<10	-	<10	-	<10	-	<10	-	<10	-	-
Sum m&p and o Xylene	ug/l	10	UK EQS AA for Benzene	<10	<10	<10	<10	-	<10	<10	-	<10	-	<10	-	<10	-	<10	-	-
Sum of BTEX	ug/l	10	UK EQS AA for Benzene	<10	<10	<10	<10	-	<10	<10	-	<10	-	<10	-	<10	-	<10	-	-
MTBE	ug/l	10	UK EQS AA for Benzene	<10	<10	<10	<10	-	<10	<10	-	<10	-	<10	-	<10	-	<10	-	-
PAH by GCMS																				
Naphthalene Aqueous	ng/l	2000	UK EQS AA	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	660.0	140.0	250.0	910.0	3400.0	<100	<100
Acenaphthylene Aqueous	ng/l	0	Screened for detection	<11	<11	<11	<11	<11	<11	<11	67.0	<11	<11	<11	24.0	19.0	19.0	15.0	<11	<11
Acenaphthene Aqueous	ng/l	0	Screened for detection	<15	<15	16.0	24.0	<15	<15	<15	<15	<15	<15	210.0	160.0	670.0	2900.0	920.0	<15	76.0
Fluorene Aqueous	ng/l	0	Screened for detection	<14	<14	<14	<14	<14	<14	<14	19.0	<14	<14	94.0	65.0	460.0	1100.0	270.0	<14	23.0
Phenanthrene Aqueous	ng/l	0	Screened for detection	<22	<22	24.0	<22	<22	<22	<22	100.0	<22	32.0	110.0	200.0	840.0	1500.0	160.0	<22	<22
Anthracene Aqueous	ng/l	100	UK EQS AA	<15	<15	<15	<15	<15	<15	<15	62.0	<15	<15	31.0	120.0	160.0	240.0	32.0	<15	<15
Fluoranthene Aqueous	ng/l	6.3	UK EQS AA	<17	<17	34.0	<17	<17	<17	28.0	670.0	30.0	67.0	180.0	570.0	530.0	610.0	32.0	<17	<17

				BH123	BH125 W1	BH101 W1	BH102	BH103 W1	BH104	BH105 W1	WS119	WS120	BH106	BH109	BH110	BH112W1	BH113	BH114W1	BH121 W1	BH122W1
			Sampled Date	23/05/08	22/05/08	22/05/08	23/05/08	22/05/08	27/05/08	22/05/08	27/05/08	27/05/08	29/05/08	23/05/08	23/05/08	21/05/08	29/05/08	21/05/08	22/05/08	21/05/08
			Formation	RTD	RTD	RTD	OXC	RTD	RTD	RTD	OXC	RTD	MG	MG (Landfill)	MG (Landfill)	MG (Landfill)	MG (Landfill)	MG (Landfill)	RTD	RTD
			Relevant Scheme Zone	1A	1B	2A	2A	3B	4B	4B	4C	4C	Temp.area	4D	4D	4G	4H	4H	4E	4H
			Area description	N of Botley Rd.	N of Botley Rd.	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Cold-harbour	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	A423 (E) Culvert	A423 (E) Culvert	A423 (E) Culvert	A423 (W) Culvert	A423 (E) Culvert
			Comment on location	Adj. to stream	Adj. allotments	S of Botley Rd	S of Botley Rd	Hole just outside scheme zone, Adj. North Hinksey	Hole outside scheme zone -Adj. Electric sub-station	Hole outside scheme area zone - Adj. Hinksey Stream/	Adj. to railway nr. OAR	N of OAR, nr. Kenn Rd. W landfill	Cold-harbour landfill	In Kenn. Rd. E landfill	In Kenn. Rd. E landfill	In Redbridge Landfill (outside scheme zone)	In Redbridge Landfill (outside scheme zone)	In Redbridge Landfill	S side of ring road	S side of ring road
Pyrene Aqueous	ng/l	0	Screened for detection	<15	<15	38.0	<15	<15	<15	32.0	700.0	35.0	70.0	150.0	350.0	410.0	420.0	21.0	<15	<15
Benz(a)anthracene Aqueous	ng/l	0	Screened for detection	<17	<17	<17	<17	<17	<17	<17	320.0	<17	36.0	45.0	180.0	120.0	74.0	<17	<17	<17
Chrysene Aqueous	ng/l	0	Screened for detection	<13	<13	<13	<13	<13	<13	14.0	430.0	16.0	44.0	74.0	210.0	120.0	110.0	<13	<13	<13
Benzo(b)fluoranthene Aqueous	ng/l	17	UK EQS AA	<23	<23	<23	<23	<23	<23	28.0	540.0	<23	75.0	77.0	230.0	200.0	89.0	<23	<23	<23
Benzo(k)fluoranthene Aqueous	ng/l	17	UK EQS AA	<27	<27	<27	<27	<27	<27	<27	220.0	<27	<27	<27	180.0	61.0	31.0	<27	<27	<27
Benzo(a)pyrene Aqueous	ng/l	0.17	UK EQS AA	<9	<9	16.0	<9	<9	<9	21.0	400.0	<9	51.0	55.0	230.0	130.0	64.0	<9	<9	<9
Indeno(123cd)pyrene Aqueous	ng/l	0	Screened for detection	<14	<14	<14	<14	<14	<14	<14	230.0	<14	28.0	27.0	170.0	72.0	30.0	<14	<14	<14
Dibenzo(ah)anthracene Aqueous	ng/l	0	Screened for detection	<16	<16	<16	<16	<16	<16	<16	52.0	<16	<16	<16	53.0	20.0	<16	<16	<16	<16
Benzo(ghi)perylene Aqueous	ng/l	82	UK EQS MAC	<16	<16	<16	<16	<16	<16	20.0	280.0	<16	49.0	40.0	230.0	110.0	43.0	<16	<16	<16
PAH 16 Total Aqueous	ng/l	100	UKDWS for PAHs	<100	<100	130.0	<100	<100	<100	140.0	4100.0	<100	450.0	1800.0	3100.0	4200.0	8200.0	4900.0	<100	<100
PCB 7 Congeners																				
PCB congener 28	ng/l	0	Screened against detection	-	-	-	-	-	<15	-	<15	-	<15	-	<15	-	<15	-	<15	<15
PCB congener 52	ng/l	0	Screened against detection	-	-	-	-	-	<15	-	<15	-	<15	-	<15	-	<15	-	<15	<15
PCB congener 101	ng/l	0	Screened against detection	-	-	-	-	-	<15	-	<15	-	<15	-	<15	-	<15	-	<15	<15
PCB congener 118	ng/l	0	Screened against detection	-	-	-	-	-	<15	-	<15	-	<15	-	<15	-	<15	-	<15	<15
PCB congener 153	ng/l	0	Screened against detection	-	-	-	-	-	<15	-	<15	-	<15	-	<15	-	<15	-	<15	<15
PCB congener 138	ng/l	0	Screened against detection	-	-	-	-	-	<15	-	<15	-	<15	-	<15	-	<15	-	<15	<15
PCB congener 180	ng/l	0	Screened against detection	-	-	-	-	-	<15	-	<15	-	<15	-	<15	-	<15	-	<15	<15
Total of 7 Congener PCBs	ng/l	0	Screened against detection	-	-	-	-	-	<15	-	<15	-	<15	-	<15	-	<15	-	<15	<15
Organic Tin:																				
Tributyl Tin*	ng/l	0	Screened against detection	-	-	-	< 0.02	-	-	-	-	-	-	-	-	-	-	-	-	-
Triphenyl Tin*	ng/l	0	Screened against detection	-	-	-	< 0.02	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibutyl Tin*	ng/l	0	Screened against detection	-	-	-	< 0.02	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrethroid Insecticides																				
Cyfluthrin*	ng/l	0	Screened against detection	-	-	-	< 1	-	-	-	<0.40	-	<0.30	-	< 1	-	<0.30	-	< 0.1	< 0.1
Cyhalothrin*	ng/l	0	Screened against detection	-	-	-	< 1	-	-	-	<0.40	-	<0.30	-	< 1	-	<0.30	-	< 0.1	< 0.1
Cypermethrin*	ng/l	0	Screened against detection	-	-	-	< 1	-	-	-	<0.40	-	<0.30	-	< 1	-	<0.30	-	< 0.1	< 0.1
Deltamethrin*	ng/l	0	Screened against detection	-	-	-	< 1	-	-	-	<0.40	-	<0.30	-	< 1	-	<0.30	-	< 0.1	< 0.1
Fenvalerate*	ng/l	0	Screened against detection	-	-	-	< 1	-	-	-	<0.40	-	<0.30	-	< 1	-	<0.30	-	< 0.1	< 0.1
Permethrin*	ng/l	0	Screened against detection	-	-	-	< 1	-	-	-	<0.40	-	<0.30	-	< 1	-	<0.30	-	< 0.1	< 0.1
	ng/l	0	Screened against detection																	
OCP	ng/l	0	Screened against detection																	
Tecnazene	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Trifluralin	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Alpha-BHC (Lindane)	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Hexachlorobenzene	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Beta-BHC (Lindane)	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Gamma-BHC (Lindane)	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Quintozene (PCNB)	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Triallate	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Chlorothalonil	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10

				BH123	BH125 W1	BH101 W1	BH102	BH103 W1	BH104	BH105 W1	WS119	WS120	BH106	BH109	BH110	BH112W1	BH113	BH114W1	BH121 W1	BH122W1
			Sampled Date	23/05/08	22/05/08	22/05/08	23/05/08	22/05/08	27/05/08	22/05/08	27/05/08	27/05/08	29/05/08	23/05/08	23/05/08	21/05/08	29/05/08	21/05/08	22/05/08	21/05/08
			Formation	RTD	RTD	RTD	OXC	RTD	RTD	RTD	OXC	RTD	MG	MG (Landfill)	MG (Landfill)	MG (Landfill)	MG (Landfill)	MG (Landfill)	RTD	RTD
			Relevant Scheme Zone	1A	1B	2A	2A	3B	4B	4B	4C	4C	Temp.area	4D	4D	4G	4H	4H	4E	4H
			Area description	N of Botley Rd.	N of Botley Rd.	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Cold-harbour	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	A423 (E) Culvert	A423 (E) Culvert	A423 (E) Culvert	A423 (W) Culvert	A423 (E) Culvert
			Comment on location	Adj. to stream	Adj. allotments	S of Botley Rd	S of Botley Rd	Hole just outside scheme zone, Adj. North Hinksey	Hole outside scheme zone -Adj. Electric sub-station	Hole outside scheme area zone - Adj. Hinksey Stream/	Adj. to railway nr. OAR	N of OAR, nr. Kenn Rd. W landfill	Cold-harbour landfill	In Kenn. Rd. E landfill	In Kenn. Rd. E landfill	In Redbridge Landfill (outside scheme zone)	In Redbridge Landfill (outside scheme zone)	In Redbridge Landfill	S side of ring road	S side of ring road
Heptachlor	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Aldrin	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Triadimefon	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Telodrin	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Isodrin	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Pendimethalin	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Heptachlor Epoxide	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
trans-Chlordane	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
o,p'-DDE	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Endosulphan I	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
cis-Chlordane	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
p,p'-DDE	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Dieldrin	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
p,p'-TDE (DDD)	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Endrin	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Endosulphan II	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
o,p'-TDE (DDD)	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
o,p'-DDT	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
p,p'-DDT	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Endosulphan sulphate	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
o,p'-Methoxychlor	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
p,p'-Methoxychlor	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Permethrin I	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Permethrin II	ng/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
Glycols																				
Propylene Glycol	mg/l	0	Screened against detection	-	-	-	<1	-	-	<1	-	-	-	-	-	-	-	-	-	-
Monoethylene Glycol	mg/l	0	Screened against detection	-	-	-	<1	-	-	<1	-	-	-	-	-	-	-	-	-	-
1,3-Butandiol	mg/l	0	Screened against detection	-	-	-	<1	-	-	<1	-	-	-	-	-	-	-	-	-	-
1,3-Propandiol	mg/l	0	Screened against detection	-	-	-	<1	-	-	<1	-	-	-	-	-	-	-	-	-	-
1,4-Butandiol	mg/l	0	Screened against detection	-	-	-	<1	-	-	<1	-	-	-	-	-	-	-	-	-	-
Diethylene Glycol	mg/l	0	Screened against detection	-	-	-	<1	-	-	<1	-	-	-	-	-	-	-	-	-	-
Triethylene Glycol	mg/l	0	Screened against detection	-	-	-	<1	-	-	<1	-	-	-	-	-	-	-	-	-	-
		0	Screened against detection																	
SVOC by GCMS		0	Screened against detection																	
Phenols		0	Screened against detection																	
2-Chlorophenol	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
2-Methylphenol	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
2-Nitrophenol	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
2,4-Dichlorophenol	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
2,4-Dimethylphenol	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
2,4,5-Trichlorophenol	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
2,4,6-Trichlorophenol	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1

				BH123	BH125 W1	BH101 W1	BH102	BH103 W1	BH104	BH105 W1	WS119	WS120	BH106	BH109	BH110	BH112W1	BH113	BH114W1	BH121 W1	BH122W1
			Sampled Date	23/05/08	22/05/08	22/05/08	23/05/08	22/05/08	27/05/08	22/05/08	27/05/08	27/05/08	29/05/08	23/05/08	23/05/08	21/05/08	29/05/08	21/05/08	22/05/08	21/05/08
			Formation	RTD	RTD	RTD	OXC	RTD	RTD	RTD	OXC	RTD	MG	MG (Landfill)	MG (Landfill)	MG (Landfill)	MG (Landfill)	MG (Landfill)	RTD	RTD
			Relevant Scheme Zone	1A	1B	2A	2A	3B	4B	4B	4C	4C	Temp.area	4D	4D	4G	4H	4H	4E	4H
			Area description	N of Botley Rd.	N of Botley Rd.	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Cold-harbour	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	A423 (E) Culvert	A423 (E) Culvert	A423 (E) Culvert	A423 (W) Culvert	A423 (E) Culvert
			Comment on location	Adj. to stream	Adj. allotments	S of Botley Rd	S of Botley Rd	Hole just outside scheme zone, Adj. North Hinksey	Hole outside scheme zone -Adj. Electric sub-station	Hole outside scheme area zone - Adj. Hinksey Stream/	Adj. to railway nr. OAR	N of OAR, nr. Kenn Rd. W landfill	Cold-harbour landfill	In Kenn. Rd. E landfill	In Kenn. Rd. E landfill	In Redbridge Landfill (outside scheme zone)	In Redbridge Landfill (outside scheme zone)	In Redbridge Landfill	S side of ring road	S side of ring road
4-Chloro-3-methylphenol	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
4-Methylphenol	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
4-Nitrophenol	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Pentachlorophenol	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Phenol	ug/l	7.7	EQS AA	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
PAHs																				
2-Chloronaphthalene	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
2-Methylnaphthalene	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Phthalates																				
Bis(2-ethylhexyl) phthalate	ug/l	0	Screened against detection	-	-	-	<3	-	-	-	<2	-	<2	-	<3	-	<2	-	<2	<3
Butylbenzyl phthalate	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Di-n-butyl phthalate	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Di-n-Octyl phthalate	ug/l	0	Screened against detection	-	-	-	<5	-	-	-	<5	-	<5	-	<5	-	<5	-	<5	<5
Diethyl phthalate	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Dimethyl phthalate	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Other Semi-volatiles																				
1,2-Dichlorobenzene	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
1,2,4-Trichlorobenzene	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
1,3-Dichlorobenzene	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
1,4-Dichlorobenzene	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
2-Nitroaniline	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
2,4-Dinitrotoluene	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
2,6-Dinitrotoluene	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
3-Nitroaniline	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
4-Bromophenylphenylether	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
4-Chloroaniline	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
4-Chlorophenylphenylether	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
4-Nitroaniline	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Azobenzene	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Bis(2-chloroethoxy)methane	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Bis(2-chloroethyl)ether	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Carbazole	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Dibenzofuran	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Hexachlorobenzene	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Hexachlorobutadiene	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Hexachlorocyclopentadiene	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Hexachloroethane	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Isophorone	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
N-nitrosodi-n-propylamine	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Nitrobenzene	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1

				BH123	BH125 W1	BH101 W1	BH102	BH103 W1	BH104	BH105 W1	WS119	WS120	BH106	BH109	BH110	BH112W1	BH113	BH114W1	BH121 W1	BH122W1
			Sampled Date	23/05/08	22/05/08	22/05/08	23/05/08	22/05/08	27/05/08	22/05/08	27/05/08	27/05/08	29/05/08	23/05/08	23/05/08	21/05/08	29/05/08	21/05/08	22/05/08	21/05/08
			Formation	RTD	RTD	RTD	OXC	RTD	RTD	RTD	OXC	RTD	MG	MG (Landfill)	MG (Landfill)	MG (Landfill)	MG (Landfill)	MG (Landfill)	RTD	RTD
			Relevant Scheme Zone	1A	1B	2A	2A	3B	4B	4B	4C	4C	Temp.area	4D	4D	4G	4H	4H	4E	4H
			Area description	N of Botley Rd.	N of Botley Rd.	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Cold-harbour	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	A423 (E) Culvert	A423 (E) Culvert	A423 (E) Culvert	A423 (W) Culvert	A423 (E) Culvert
			Comment on location	Adj. to stream	Adj. allotments	S of Botley Rd	S of Botley Rd	Hole just outside scheme zone, Adj. North Hinksey	Hole outside scheme zone -Adj. Electric sub-station	Hole outside scheme area zone - Adj. Hinksey Stream/	Adj. to railway nr. OAR	N of OAR, nr. Kenn Rd. W landfill	Cold-harbour landfill	In Kenn. Rd. E landfill	In Kenn. Rd. E landfill	In Redbridge Landfill (outside scheme zone)	In Redbridge Landfill (outside scheme zone)	In Redbridge Landfill	S side of ring road	S side of ring road
Triazine Herbicides by GCMS																				
Atrazine	ug/l	0	Screened against detection	-	-	-	-	-	-	<1	<1	-	<1	-	<1	-	<1	-	<1	<1
Simazine	ug/l	0	Screened against detection	-	-	-	-	-	-	<1	<1	-	<1	-	<1	-	<1	-	<1	<1
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Chloromethane	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Vinyl Chloride	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Bromomethane	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<2	-	<2	-	<2	-	<2	-	<2	<2
Chloroethane	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<2	-	<2	-	<2	-	<2	-	<2	<2
Trichlorofluoromethane	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<2	-	<2	-	<2	-	<2	-	<2	<2
trans-1-2-Dichloroethene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<2	-	<2	-	<2	-	<2	-	<2	<2
Dichloromethane	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<3	-	<3	-	<3	-	<3	-	<3	<3
Carbon Disulphide	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<2	-	<2	-	<2	-	<2	-	<2	<2
1.1-Dichloroethene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
1.1-Dichloroethane	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Methyl Tertiary Butyl Ether	ug/l	0	Screened against detection	-	-	-	<2	-	-	-	<2	-	<2	-	<2	-	<2	-	<2	<2
cis-1-2-Dichloroethene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<2	-	<2	-	<2	-	<2	-	<2	<2
Bromochloromethane	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<2	-	<2	-	<2	-	<2	-	<2	<2
Chloroform	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<2	-	<2	-	<2	-	<2	-	<2	<2
2.2-Dichloropropane	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
1.2-Dichloroethane	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<4	-	<4	-	<4	-	<4	-	<4	<4
1.1.1-Trichloroethane	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
1.1-Dichloropropene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Benzene	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Carbontetrachloride	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Dibromomethane	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<3	-	<3	-	<3	-	<3	-	<3	<3
1.2-Dichloropropane	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<3	-	<3	-	<3	-	<3	-	<3	<3
Bromodichloromethane	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Trichloroethene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<2	-	<2	-	<2	-	<2	-	<2	<2
cis-1-3-Dichloropropene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<2	-	<2	-	<2	-	<2	-	<2	<2
trans-1-3-Dichloropropene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<3	-	<3	-	<3	-	<3	-	<3	<3
1.1.2-Trichloroethane	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<2	-	<2	-	<2	-	<2	-	<2	<2
Toluene	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
1.3-Dichloropropane	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<2	-	<2	-	<2	-	<2	-	<2	<2
Dibromochloromethane	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<2	-	<2	-	<2	-	<2	-	<2	<2
1.2-Dibromoethane	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<2	-	<2	-	<2	-	<2	-	<2	<2
Tetrachloroethene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<2	-	<2	-	<2	-	<2	-	<2	<2
1.1.1.2-Tetrachloroethane	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Chlorobenzene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<4	-	<4	-	<4	-	<4	-	<4	<4
Ethylbenzene	ug/l	0	Screened against detection	-	-	-	<2	-	-	-	<2	-	<2	-	<2	-	<2	-	<2	<2
p/m-Xylene	ug/l	0	Screened against detection	-	-	-	<2	-	-	-	<2	-	<2	-	<2	-	<2	-	<2	<2

				BH123	BH125 W1	BH101 W1	BH102	BH103 W1	BH104	BH105 W1	WS119	WS120	BH106	BH109	BH110	BH112W1	BH113	BH114W1	BH121 W1	BH122W1
			Sampled Date	23/05/08	22/05/08	22/05/08	23/05/08	22/05/08	27/05/08	22/05/08	27/05/08	27/05/08	29/05/08	23/05/08	23/05/08	21/05/08	29/05/08	21/05/08	22/05/08	21/05/08
			Formation	RTD	RTD	RTD	OXC	RTD	RTD	RTD	OXC	RTD	MG	MG (Landfill)	MG (Landfill)	MG (Landfill)	MG (Landfill)	MG (Landfill)	RTD	RTD
			Relevant Scheme Zone	1A	1B	2A	2A	3B	4B	4B	4C	4C	Temp.area	4D	4D	4G	4H	4H	4E	4H
			Area description	N of Botley Rd.	N of Botley Rd.	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Cold-harbour	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	A423 (E) Culvert	A423 (E) Culvert	A423 (E) Culvert	A423 (W) Culvert	A423 (E) Culvert
			Comment on location	Adj. to stream	Adj. allotments	S of Botley Rd	S of Botley Rd	Hole just outside scheme zone, Adj. North Hinksey	Hole outside scheme zone -Adj. Electric sub-station	Hole outside scheme area zone - Adj. Hinksey Stream/	Adj. to railway nr. OAR	N of OAR, nr. Kenn Rd. W landfill	Cold-harbour landfill	In Kenn. Rd. E landfill	In Kenn. Rd. E landfill	In Redbridge Landfill (outside scheme zone)	In Redbridge Landfill (outside scheme zone)	In Redbridge Landfill	S side of ring road	S side of ring road
Bromoform	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<3	-	<3	-	<3	-	<3	-	<3	<3
Styrene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
1.1.2.2-Tetrachloroethane	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<5	-	<5	-	<5	-	<5	-	<5	<5
o-Xylene	ug/l	0	Screened against detection	-	-	-	<1	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
1.2.3-Trichloropropane	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<9	-	<9	-	<9	-	<9	-	<9	<9
Isopropylbenzene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<2	-	<2	-	<2	-	<2	-	<2	<2
Bromobenzene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
2-Chlorotoluene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<2	-	<2	-	<2	-	<2	-	<2	<2
Propylbenzene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<3	-	<3	-	<3	-	<3	-	<3	<3
4-Chlorotoluene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<2	-	<2	-	<2	-	<2	-	<2	<2
1.2.4-Trimethylbenzene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<1	-	<1	-	<1	-	13.0	-	<1	<1
4-Isopropyltoluene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<3	-	<3	-	<3	-	<3	-	<3	<3
1.3.5-Trimethylbenzene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
1.2-Dichlorobenzene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<3	-	<3	-	<3	-	<3	-	<3	<3
1.4-Dichlorobenzene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
sec-Butylbenzene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<1	-	<1	-	<1	-	<1	-	<1	<1
tert-Butylbenzene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<2	-	<2	-	<2	-	<2	-	<2	<2
1.3-Dichlorobenzene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<2	-	<2	-	<2	-	<2	-	<2	<2
n-Butylbenzene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<2	-	<2	-	<2	-	<2	-	<2	<2
1.2-Dibromo-3-chloropropane	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<10	-	<10	-	<10	-	<10	-	<10	<10
1.2.4-Trichlorobenzene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<2	-	<2	-	<2	-	<2	-	<2	<2
Naphthalene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<4	-	<4	-	<4	-	<4	-	<4	<4
1.2.3-Trichlorobenzene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<3	-	<3	-	<3	-	<3	-	<3	<3
Hexachlorobutadiene	ug/l	0	Screened against detection	-	-	-	-	-	-	-	<3	-	<3	-	<3	-	<3	-	<3	<3
VOC TICs		0	Screened against detection																	
Acetaldehyde		0	Screened against detection			-	-	-	-	-			<10	-	-	-				

Test	Units	Initial Screen - ing Value	Source of Screening Value											
Hole Name				HSA219	HSA219	BH205	BH205	BH207	BH207	BH208	BH208	BH210	BH210	BH121	BH121
Sampled Date				11/02/15	12/07/15	11/02/15	12/07/15	11/02/15	12/07/15	11/02/15	12/07/15	11/02/15	12/07/15	20/11/15	12/07/15
Relevant Scheme Zone				4H	4H	4D	4D	4D	4D	4D	4D	4H	4H	4E	4E
Geology				RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
Feature				Main Channel (BR-OAR)	Main Channel (BR-OAR)	Kenn Rd. (W) landill	Kenn Rd. (W) landill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	A423 W culvert	A423 W culvert	A423 W culvert	A423 W culvert
Comment on location				NE Kenn Rd E landfill	NE Kenn Rd E landfill	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	S of Kenn Rd W landfill	S of Kenn Rd W landfill	SE of Kenn Rd W landfill	SE of Kenn Rd W landfill
Dissolved Arsenic #	ug/l	50	EQS AA	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Dissolved Boron	ug/l	1000	UK DWS	79	80	152	160	118	111	92	110	133	137	76	83
Dissolved Cadmium #	ug/l	0.25	EQS AA (Hard water)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	0.5	<0.5	<0.5
Total Dissolved Chromium #	ug/l	3.4	EQS AA for Cr VI	2	<1.5	6.8	12.1	<1.5	<1.5	8	8	<1.5	<1.5	<1.5	<1.5
Hexavalent Chromium #	mg/l	0.0034	EQS AA for Cr VI	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	0.017
Dissolved Copper #	ug/l	0.25	EQS AA (Hard water)	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7
Dissolved Lead #	ug/l	1	Min. EQS AA (Bioavailable)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dissolved Mercury #	ug/l	1.2	Min. EQS AA (Bioavailable)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dissolved Nickel #	ug/l	4	Min. EQS AA (Bioavailable)	<2	<2	<2	2	<2	<2	<2	<2	<2	4	<2	<2
Dissolved Selenium #	ug/l	10	UK DWS	<3		<3		<3		<3		<3			
Dissolved Zinc #	ug/l	10.9	Min. EQS AA (Bioavailable)	<3	<3	<3	<3	3	<3	4	<3	3	10	<3	<3
Sulphate #	mg/l	250	UK DWS	63.55	61.45	79.96	78.74	68.39	59.44	99.98	75.37	141.53	133.34	53.86	55.09
Ammoniacal Nitrogen as N	mg/l	0.6	UK EQS AA	0.03	0.04	2.68	2.07	0.68	1.34	0.05	0.36	0.03	0.05	0.11	0.14
Electrical Conductivity @25C #	uS/cm		n/a - indicator	706	736	867	842	741	710	850	749	1659	1699	611	621
pH #	pH units	6.5-8.5	UK EQS	7.57	7.49	7.09	7.52	7.43	7.53	7.41	7.42	7.42	7.3	7.43	7.67
PAH MS															
Naphthalene	ug/l	2	EQS AA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	ug/l	0	Screened for detection	<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	ug/l	0	Screened for detection	0.01	<0.01	0.01	<0.01	0.02	0.01	0.01	0.01	0.04	0.02	<0.01	<0.01
Fluorene	ug/l	0	Screened for detection	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	ug/l	0	Screened for detection	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.01
Anthracene	ug/l	0.1	EQS AA	<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	ug/l	0.0063	EQS AA	0.01	0.01	<0.01	0.01	0.01	0.01	0.01	<0.01	0.01	0.03	0.01	0.02
Pyrene	ug/l	0	Screened for detection	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.04	0.01	0.02
Benzo(a)anthracene	ug/l	0	Screened for detection	0.01	0.01	<0.01	0.01	<0.01	0.01	<0.01	0.01	<0.01	0.02	<0.01	0.01
Chrysene	ug/l	0	Screened for detection	<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(bk)fluoranthene	ug/l	0	Screened for detection	<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	ug/l	0.00017	EQS AA	<0.01	0.01	<0.01	0.01	<0.01	0.01	<0.01	0.01	<0.01	0.02	<0.01	0.01
Indeno(123cd)pyrene	ug/l	0	Screened for detection	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenzo(ah)anthracene	ug/l	0	Screened for detection	<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(ghi)perylene	ug/l	0.0082	EQS MAC	<0.01	0.01	<0.01	0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.01	<0.01	0.01
PAH 16 Total	ug/l		n/a - indicator only	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	0.1	0.2	<0.1	0.1
Benzo(b)fluoranthene	ug/l	0.017	EQS MAC	<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	ug/l	0.017	EQS MAC	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Petroleum Hydrocarbons															
EPH (C8-C40) #	ug/l	10	UK EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
GRO (>C4-C8) #	ug/l	10	UK EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
GRO (>C8-C12) #	ug/l	10	UK EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
GRO (>C4-C12) #	ug/l	10	UK EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

			Hole Name	HSA219	HSA219	BH205	BH205	BH207	BH207	BH208	BH208	BH210	BH210	BH121	BH121
			Sampled Date	11/02/15	12/07/15	11/02/15	12/07/15	11/02/15	12/07/15	11/02/15	12/07/15	11/02/15	12/07/15	20/11/15	12/07/15
			Relevant Scheme Zone	4H	4H	4D	4D	4D	4D	4D	4D	4H	4H	4E	4E
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Kenn Rd. (W) landill	Kenn Rd. (W) landill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	A423 W culvert	A423 W culvert	A423 W culvert	A423 W culvert
			Comment on location	NE Kenn Rd E landfill	NE Kenn Rd E landfill	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	S of Kenn Rd W landfill	S of Kenn Rd W landfill	SE of Kenn Rd W landfill	SE of Kenn Rd W landfill
Phenols															
Total Phenols HPLC	mg/l	0.0077	UK EQS AA for Phenol	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SVOC MS															
2-Chlorophenol	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Methylphenol	ug/l	0	Screened for detection	<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	ug/l	0	Screened for detection	<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	ug/l	0	Screened for detection	<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	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,4,5-Trichlorophenol	ug/l	0	Screened for detection	<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	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chloro-3-methylphenol	ug/l	0	Screened for detection	<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	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Nitrophenol	ug/l	0	Screened for detection	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Pentachlorophenol	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Phenol	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
PAHs		0	Screened for detection												
2-Chloronaphthalene	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Methylnaphthalene	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Phthalates		0	Screened for detection												
Bis(2-ethylhexyl) phthalate	ug/l	0	Screened for detection	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Butylbenzyl phthalate	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Di-n-butyl phthalate	ug/l	0	Screened for detection	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Di-n-Octyl phthalate	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Diethyl phthalate	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dimethyl phthalate	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Other SVOCs		0	Screened for detection												
1,2-Dichlorobenzene	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-Dichlorobenzene	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Nitroaniline	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,4-Dinitrotoluene	ug/l	0	Screened for detection	<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	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
3-Nitroaniline	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Bromophenylphenylether	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chloroaniline	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chlorophenylphenylether	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Nitroaniline	ug/l	0	Screened for detection	<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	ug/l	0	Screened for detection	<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	ug/l	0	Screened for detection	<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	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbazole	ug/l	0	Screened for detection	<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	ug/l	0	Screened for detection	<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	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorocyclopentadiene	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

				Hole Name	HSA219	HSA219	BH205	BH205	BH207	BH207	BH208	BH208	BH210	BH210	BH121	BH121
				Sampled Date	11/02/15	12/07/15	11/02/15	12/07/15	11/02/15	12/07/15	11/02/15	12/07/15	11/02/15	12/07/15	20/11/15	12/07/15
				Relevant Scheme Zone	4H	4H	4D	4D	4D	4D	4D	4D	4H	4H	4E	4E
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Kenn Rd. (W) landill	Kenn Rd. (W) landill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	A423 W culvert	A423 W culvert	A423 W culvert	A423 W culvert
				Comment on location	NE Kenn Rd E landfill	NE Kenn Rd E landfill	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	S of Kenn Rd W landfill	S of Kenn Rd W landfill	SE of Kenn Rd W landfill	SE of Kenn Rd W landfill
Hexachloroethane	ug/l	0	Screened for detection		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Isophorone	ug/l	0	Screened for detection		<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	ug/l	0	Screened for detection		<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	ug/l	0	Screened for detection		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
VOC MS																
Dichlorodifluoromethane	ug/l	0	Screened for detection		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Methyl Tertiary Butyl Ether #	ug/l	0	Screened for detection		<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 #	ug/l	0	Screened for detection		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Vinyl Chloride #	ug/l	0	Screened for detection		<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	ug/l	0	Screened for detection		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane #	ug/l	0	Screened for detection		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Trichlorofluoromethane #	ug/l	0	Screened for detection		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,1-Dichloroethene (1,1 DCE) #	ug/l	0	Screened for detection		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Dichloromethane (DCM) #	ug/l	0	Screened for detection		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
trans-1-2-Dichloroethene #	ug/l	0	Screened for detection		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,1-Dichloroethane #	ug/l	0	Screened for detection		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
cis-1-2-Dichloroethene #	ug/l	0	Screened for detection		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
2,2-Dichloropropane	ug/l	0	Screened for detection		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromochloromethane #	ug/l	0	Screened for detection		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chloroform #	ug/l	0	Screened for detection		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1,1-Trichloroethane #	ug/l	0	Screened for detection		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloropropene #	ug/l	0	Screened for detection		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Carbon tetrachloride #	ug/l	0	Screened for detection		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2-Dichloroethane #	ug/l	0	Screened for detection		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Benzene #	ug/l	0	Screened for detection		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene (TCE) #	ug/l	0	Screened for detection		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,2-Dichloropropane #	ug/l	0	Screened for detection		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Dibromomethane #	ug/l	0	Screened for detection		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Bromodichloromethane #	ug/l	0	Screened for detection		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
cis-1-3-Dichloropropene	ug/l	0	Screened for detection		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Toluene #	ug/l	0	Screened for detection		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1-3-Dichloropropene	ug/l	0	Screened for detection		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1,2-Trichloroethane #	ug/l	0	Screened for detection		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Tetrachloroethene (PCE) #	ug/l	0	Screened for detection		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,3-Dichloropropane #	ug/l	0	Screened for detection		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Dibromochloromethane #	ug/l	0	Screened for detection		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2-Dibromoethane #	ug/l	0	Screened for detection		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chlorobenzene #	ug/l	0	Screened for detection		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1,1,2-Tetrachloroethane #	ug/l	0	Screened for detection		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Ethylbenzene #	ug/l	0	Screened for detection		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
p/m-Xylene #	ug/l	0	Screened for detection		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene #	ug/l	0	Screened for detection		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/l	0	Screened for detection		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Bromoform #	ug/l	0	Screened for detection		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Isopropylbenzene #	ug/l	0	Screened for detection		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,1,2,2-Tetrachloroethane	ug/l	0	Screened for detection		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4

				Hole Name	HSA219	HSA219	BH205	BH205	BH207	BH207	BH208	BH208	BH210	BH210	BH121	BH121
				Sampled Date	11/02/15	12/07/15	11/02/15	12/07/15	11/02/15	12/07/15	11/02/15	12/07/15	11/02/15	12/07/15	20/11/15	12/07/15
				Relevant Scheme Zone	4H	4H	4D	4D	4D	4D	4D	4D	4H	4H	4E	4E
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Kenn Rd. (W) landill	Kenn Rd. (W) landill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	A423 W culvert	A423 W culvert	A423 W culvert	A423 W culvert
				Comment on location	NE Kenn Rd E landfill	NE Kenn Rd E landfill	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	S of Kenn Rd W landfill	S of Kenn Rd W landfill	SE of Kenn Rd W landfill	SE of Kenn Rd W landfill
Bromobenzene #	ug/l	0	Screened for detection	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2,3-Trichloropropane #	ug/l	0	Screened for detection	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Propylbenzene #	ug/l	0	Screened for detection	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
2-Chlorotoluene #	ug/l	0	Screened for detection	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,3,5-Trimethylbenzene #	ug/l	0	Screened for detection	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
4-Chlorotoluene #	ug/l	0	Screened for detection	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
tert-Butylbenzene #	ug/l	0	Screened for detection	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,2,4-Trimethylbenzene #	ug/l	0	Screened for detection	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
sec-Butylbenzene #	ug/l	0	Screened for detection	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
4-Isopropyltoluene #	ug/l	0	Screened for detection	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,3-Dichlorobenzene #	ug/l	0	Screened for detection	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,4-Dichlorobenzene #	ug/l	0	Screened for detection	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
n-Butylbenzene #	ug/l	0	Screened for detection	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,2-Dichlorobenzene #	ug/l	0	Screened for detection	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,2-Dibromo-3-chloropropane	ug/l	0	Screened for detection	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2,4-Trichlorobenzene	ug/l	0	Screened for detection	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Hexachlorobutadiene	ug/l	0	Screened for detection	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Naphthalene	ug/l	0	Screened for detection	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2,3-Trichlorobenzene	ug/l	0	Screened for detection	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3

				Hole Name	BH331B	BH331B	BH331B	BH331	BH331B	BH331B	BH331B	BH347B	BH347B	BH347B	BH347B	BH347B	BH347B	BH348B	BH348B	BH348B	BH348
				Sampled Date	31/05/2017	06/06/2017	13/06/2017	17/11/2017	29/11/2017	06/12/2017	12/12/2017	06/06/2017	13/06/2017	17/11/2017	29/11/2017	06/12/2017	13/12/2017	30/05/2017	06/06/2017	13/06/2017	17/11/2017
				Scheme Zone	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert
				Comment on location	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill
Test	**Units**	**Initial Screen - ing Value**	**Source of Screening Value**																	
pH[1]	pH units	6.5	EQS		NA	NA	7.23	7.33	7.37	7.29	NA	6.74	6.82	6.85	7.25	6.98		NA	NA	7.33
Total Alkalinity, Bicarbonate as CaCO3	mg/l		Indicator only		NA		405	800	725	500	NA		575	660	405	590		NA		375
Dissolved Organic Carbon	mg/l		Indicator only		NA		4.69	<3	4.2	<3	NA		10.5	17.7	9.66	9.25		NA		4.24
Chloride	mg/l	250	UK DWS		NA		93.6	84.1	87.4	86.7	NA		203	329	381	1240		NA		131
Nitrate as NO3	mg/l	50	UK DWS		NA		<0.3	<0.3	<0.3	<0.3	NA		<0.3	<0.3	<0.3	<0.3		NA		<0.3
Sulphate	mg/l	250	UK DWS		NA	NA	87.5	93.2	97	97.8	NA	6.1	<2	<2	<2	20.4		NA	NA	39.6
Ortho Phosphate as PO4 #	mg/l	0.06	Notional standard		NA		0.159	<0.05	<0.05	<0.05	NA		<0.05	<0.05	<0.05	<0.05		NA		<0.05
Ammoniacal Nitrogen as N #	mg/l	0.6	EQS for rivers		NA		9.51	9.07	8.58	8.35	NA		50	26.8	59.6	42.8		NA		14.1
Ortho Phosphate as PO4 #	mg/l	0.06	Previous EQS AA (Good for lowland, hard waters)		NA						NA							NA		
Metals																				
Dissolved Arsenic #	ug/l	50	EQS AA	NA	NA	NA	2.41	2.15	1.32	4.36	NA	NA	4.53	1.81	3.3	2.57	NA	NA	NA	74.5
Dissolved Boron	ug/l	1000	UK DWS	NA	NA	NA	479	490	494	462	NA	NA	205	223	507	323	NA	NA	NA	268
Dissolved Cadmium #	ug/l	0.25	EQS AA (Hard water)	NA	NA	NA	<0.08	<0.08	<0.08	0.171	NA	NA	<0.08	<0.08	<0.08	<0.08	NA	NA	NA	<0.08
Total Dissolved Chromium #	ug/l	3.4	EQS AA for Cr VI	NA	NA	NA	<1	<1	<1	8.15	NA	NA	1.07	<1	<1	1.13	NA	NA	NA	1.16
Hexavalent Chromium	mg/l	3.4	EQS AA for Cr VI		NA		<0.03	<0.03	<0.03	<0.03	NA		<0.03	<0.03	<0.03	<0.03		NA		<0.03
Dissolved Copper #	ug/l	1	Min. EQS AA (Bioavailable)	NA	NA	NA	0.38	0.335	<0.3	7.99	NA	NA	<0.3	<0.3	<0.3	0.428	NA	NA	NA	1.49
Dissolved Lead #	ug/l	1.2	Min. EQS AA (Bioavailable)	NA	NA	NA	<0.2	<0.2	<0.2	11.1	NA	NA	<0.2	<0.2	<0.2	<0.2	NA	NA	NA	2.05
Dissolved Nickel #	ug/l	4	Min. EQS AA (Bioavailable)	NA	NA	NA	21	23.5	25.8	9.2	NA	NA	2.38	0.887	1.95	<0.4	NA	NA	NA	4.1
Dissolved Zinc #	ug/l	10.9	Min. EQS AA (Bioavailable)	NA	NA	NA	5.03	12.7	29.5	42.7	NA	NA	9.13	4.31	4.78	75	NA	NA	NA	17.6
Mercury Dissolved by CVAF	ug/l	0.07	EQS MAC	NA	NA	NA	<0.01	<0.01	<0.01	0.182	NA	NA	<0.01	<0.01	<0.01	<0.01	NA	NA	NA	<0.01
Dissolved Mercury #	ug/l	0.07	EQS MAC		NA		<0.01	<0.01	<0.01	0.182	NA		<0.01	<0.01	<0.01	<0.01		NA		<0.01
Dissolved Calcium #	mg/l		Indicator only		NA		132	140	131	150	NA		138	170	177	131		NA		109
Dissolved Magnesium #	mg/l		Indicator only		NA		8.55	9.54	9.62	8.45	NA		5.88	10.9	12.7	8.24		NA		6.73
Dissolved Sodium #	mg/l		Indicator only		NA		57.7	57.3	52.7	47	NA		118	189	215	204		NA		76.9
Phenols																				
Total Phenols HPLC	mg/l	0.0077	EQS AA		NA						NA							NA		
Phenol	mg/l	0.0077	EQS AA	NA	NA	NA	<0.002	<0.002	<0.002	<0.002	NA	NA	<0.002	<0.002	<0.002	<0.002	NA	NA	NA	<0.002
PAH MS																				
Acenaphthylene #	ug/l	0	Screened for detection	NA	NA	NA	0.01	0.01	0.06	0.03	NA	NA	<0.005	0.01	0.01	0.02	NA	NA	NA	<0.005
Anthracene #	ug/l	0.1	EQS AA	NA	NA	NA	0.05	0.06	0.20	0.22	NA	NA	0.01	0.02	0.03	0.06	NA	NA	NA	<0.005
Benzo(a)anthracene #	ug/l	0	Screened for detection	NA	NA	NA	0.22	0.31	1.80	1.12	NA	NA	0.01	0.01	0.04	0.14	NA	NA	NA	0.01
Benzo(a)pyrene #	ug/l	0.00017	EQS AA	NA	NA	NA	0.46	0.49	2.68	2.02	NA	NA	0.02	0.01	0.01	0.08	NA	NA	NA	0.01
Benzo(b)fluoranthene	ug/l	0.017	EQS MAC	NA	NA	NA	0.69	0.70	4.25	3.41	NA	NA	0.03	0.01	0.05	0.14	NA	NA	NA	0.01
Benzo(ghi)perylene #	ug/l	0.0082	EQS MAC	NA	NA	NA	0.39	0.44	2.61	1.61	NA	NA	0.01	<0.005	0.04	0.08	NA	NA	NA	<0.005
Benzo(k)fluoranthene	ug/l	0.017	EQS MAC	NA	NA	NA	0.35	0.33	1.67	1.18	NA	NA	0.01	<0.005	0.03	0.08	NA	NA	NA	<0.005
Chrysene #	ug/l	0	Screened for detection	NA	NA	NA	0.19	0.36	2.11	1.07	NA	NA	0.01	0.01	0.05	0.16	NA	NA	NA	0.01
Dibenzo(ah)anthracene #	ug/l	0	Screened for detection	NA	NA	NA	0.04	0.05	0.28	0.26	NA	NA	<0.005	<0.005	<0.005	0.01	NA	NA	NA	<0.005
Fluoranthene #	ug/l	0.0063	EQS AA	NA	NA	NA	0.34	0.54	3.23	1.82	NA	NA	0.02	0.06	0.15	0.65	NA	NA	NA	0.01
Fluorene #	ug/l	0	Screened for detection	NA	NA	NA	0.03	0.05	0.12	0.20	NA	NA	0.01	0.22	0.21	0.17	NA	NA	NA	<0.005
Indeno(123cd)pyrene #	ug/l	0	Screened for detection	NA	NA	NA	0.29	0.34	2.40	1.58	NA	NA	0.01	<0.005	0.02	0.06	NA	NA	NA	0.01
Naphthalene #	ug/l	2	EQS AA	NA	NA	NA	0.03	0.02	0.08	0.03	NA	NA	0.04	0.09	0.07	0.02	NA	NA	NA	0.01

			Hole Name	BH331B	BH331B	BH331B	BH331	BH331B	BH331B	BH331B	BH347B	BH347B	BH347B	BH347B	BH347B	BH347B	BH348B	BH348B	BH348B	BH348
			Sampled Date	31/05/2017	06/06/2017	13/06/2017	17/11/2017	29/11/2017	06/12/2017	12/12/2017	06/06/2017	13/06/2017	17/11/2017	29/11/2017	06/12/2017	13/12/2017	30/05/2017	06/06/2017	13/06/2017	17/11/2017
			Scheme Zone	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert
			Comment on location	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill
Phenanthrene #	ug/l	0	Screened for detection	NA	NA	NA	0.09	0.11	0.55	0.43	NA	NA	0.01	0.04	0.04	0.07	NA	NA	NA	0.01
Pyrene #	ug/l	0	Screened for detection	NA	NA	NA	0.28	0.47	3.29	1.73	NA	NA	0.02	0.04	0.11	0.46	NA	NA	NA	0.01
PAH 16 Total #	ug/l		n/a -sum of above	NA	NA	NA	3.48	4.32	25.50	16.80	NA	NA	0.27	1.74	2.46	2.35	NA	NA	NA	0.09
PAH, Total Detected USEPA 16 (	µg/l						3.48	4.32	25.50	16.80			0.27	1.74	2.46	2.35				0.09
Benzo(bk)fluoranthene #	ug/l	0	Screened for detection	NA	NA	NA					NA	NA					NA	NA	NA	
Acenaphthene #	ug/l	0	Screened for detection	NA	NA	NA	0.02	0.04	0.11	0.07	NA	NA	0.05	1.22	1.60	0.16	NA	NA	NA	<0.005
2-Chloronaphthalene #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
2-Methylnaphthalene #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
Naphthalene #	ug/l	2	UK EQS AA	<1	<1	<1	0.03	0.02	0.08	0.03	<1	<1	0.04	0.09	0.07	0.02	<1	<1	<1	0.01
Acenaphthylene #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	0.01	0.01	0.06	0.03	<0.5	<0.5	<0.005	0.01	0.01	0.02	<0.5	<0.5	<0.5	<0.005
Acenaphthene #	ug/l	0	Screened for detection	<1	<1	<1	0.02	0.04	0.11	0.07	1.00	<1	0.05	1.22	1.60	0.16	<1	<1	<1	<0.005
Fluorene #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	0.03	0.05	0.12	0.20	<0.5	<0.5	0.01	0.22	0.21	0.17	<0.5	<0.5	<0.5	<0.005
Phenanthrene #	ug/l	0	Screened for detection	0.80	<0.5	<0.5	0.09	0.11	0.55	0.43	<0.5	<0.5	0.01	0.04	0.04	0.07	<0.5	<0.5	<0.5	0.01
Anthracene #	ug/l	0.1	EQS AA	<0.5	<0.5	<0.5	0.05	0.06	0.20	0.22	<0.5	<0.5	0.01	0.02	0.03	0.06	<0.5	<0.5	<0.5	<0.005
Fluoranthene #	ug/l	0.0063	EQS AA	8.30	<0.5	<0.5	0.34	0.54	3.23	1.82	<0.5	<0.5	0.02	0.06	0.15	0.65	2.30	<0.5	<0.5	0.01
Pyrene #	ug/l	0	Screened for detection	6.20	<0.5	<0.5	0.28	0.47	3.29	1.73	<0.5	<0.5	0.02	0.04	0.11	0.46	2.30	<0.5	<0.5	0.01
Benzo(a)anthracene #	ug/l	0	Screened for detection	3.00	<0.5	<0.5	0.22	0.31	1.80	1.12	<0.5	<0.5	0.01	0.01	0.04	0.14	0.90	<0.5	<0.5	0.01
Chrysene #	ug/l	0	Screened for detection	3.40	<0.5	<0.5	0.19	0.36	2.11	1.07	<0.5	<0.5	0.01	0.01	0.05	0.16	1.20	<0.5	<0.5	0.01
Benzo(bk)fluoranthene #	ug/l	0	Screened for detection	5.00	<1	<1					<1	<1					2.00	<1	<1	
Benzo(a)pyrene	ug/l	0.00017	EQS AA	2.00	<1	<1	0.46	0.49	2.68	2.02	<1	<1	0.02	0.01	0.01	0.08	1.00	<1	<1	0.01
Indeno(123cd)pyrene	ug/l	0	Screened for detection	2.00	<1	<1	0.29	0.34	2.40	1.58	<1	<1	0.01	<0.005	0.02	0.06	<1	<1	<1	0.01
Dibenzo(ah)anthracene #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	0.04	0.05	0.28	0.26	<0.5	<0.5	<0.005	<0.005	<0.005	0.01	<0.5	<0.5	<0.5	<0.005
Benzo(ghi)perylene #	ug/l	0.0082	EQS MAC	1.50	<0.5	<0.5	0.39	0.44	2.61	1.61	<0.5	<0.5	0.01	<0.005	0.04	0.08	0.70	<0.5	<0.5	<0.005
Benzo(b)fluoranthene (aq)	µg/l	0.017	EQS MAC				<1	-	-	-			<1	-	-	-				<1
Benzo(k)fluoranthene (aq)	µg/l	0.017	EQS MAC				<1	-	-	-			<1	-	-	-				<1
TPH CWG																				
Aliphatics																				
>C5-C6 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10	<10	<10	<10
>C6-C8 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10	<10	<10	<10
>C8-C10 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10	<10	<10	<10
>C10-C12 #	ug/l	10	EQS AA for Benzene	<5	<5	<5	<10	-	-	-	<5	<5	<10	-	-	-	<5	<5	<5	<10
>C12-C16 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10	<10	<10	<10
>C16-C21 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	17	-	-	-	<10	<10	<10	-	-	-	<10	<10	<10	<10
>C21-C35 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	121	-	-	-	770	<10	41	-	-	-	<10	<10	<10	<10
Total aliphatics C5-35 #	ug/l	10	EQS AA for Benzene	<10	<10	<10					770	<10					<10	<10	<10	
Total Aliphatics >C12-C35 (aq)	ug/l	10	EQS AA for Benzene				138	-	-	-			41	-	-	-				<10
Aromatics																				
>C5-EC7 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10	<10	<10	<10
>EC7-EC8 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10	<10	<10	<10
>EC8-EC10 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10	<10	<10	<10
>EC10-EC12 #	ug/l	10	EQS AA for Benzene	<5	<5	<5	<10	-	-	-	<5	<5	<10	-	-	-	<5	<5	<5	<10
>EC12-EC16 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10	<10	<10	<10
>EC16-EC21 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10	<10	<10	<10
>EC21-EC35 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	24	-	-	-	90	<10	<10	-	-	-	<10	<10	<10	<10

				Hole Name	BH331B	BH331B	BH331B	BH331	BH331B	BH331B	BH331B	BH347B	BH347B	BH347B	BH347B	BH347B	BH347B	BH348B	BH348B	BH348B	BH348
				Sampled Date	31/05/2017	06/06/2017	13/06/2017	17/11/2017	29/11/2017	06/12/2017	12/12/2017	06/06/2017	13/06/2017	17/11/2017	29/11/2017	06/12/2017	13/12/2017	30/05/2017	06/06/2017	13/06/2017	17/11/2017
				Scheme Zone	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert
				Comment on location	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill
Total Aromatics >EC12-EC35 (ac	µg/l	10	EQS AA for Benzene				24	-	-	-			<10	-	-	-					<10
Total aromatics C5-35 #	ug/l	10	EQS AA for Benzene	<10	<10	<10					90	<10					<10	<10	<10		
Total aliphatics and aromatics(C5-35) #	ug/l	10	EQS AA for Benzene	<10	<10	<10	162	-	-	-	860	<10	49	-	-	-	<10	<10	<10	<10	<10
Aliphatics >C16-C35 Aqueous	µg/l	10	EQS AA for Benzene				138	-	-	-			41	-	-	-					<10
GRO >C5-C12	µg/l	10	EQS AA for Benzene				<50	-	-	-			<50	-	-	-					<50
BTEX/MTBE MS																					
Methyl Tertiary Butyl Ether #	ug/l	10	EQS AA for Benzene	<0.1	<0.1	<0.1	<3	-	-	-	<0.1	<0.1	<3	-	-	-	<0.1	<0.1	<0.1	<3	
Benzene #	ug/l	10	EQS AA for Benzene	<0.5	<0.5	<0.5	<7	-	-	-	<0.5	<0.5	<7	-	-	-	<0.5	<0.5	<0.5	<7	
Toluene #	ug/l	10	EQS AA for Benzene	<5	<5	<5	<4	-	-	-	<5	<5	<4	-	-	-	<5	<5	<5	<4	
Ethylbenzene #	ug/l	10	EQS AA for Benzene	<1	<1	<1	<5	-	-	-	<1	<1	<5	-	-	-	<1	<1	<1	<5	
p/m-Xylene #	ug/l	10	EQS AA for Benzene	<2	<2	<2	<8	-	-	-	<2	<2	<8	-	-	-	<2	<2	<2	<8	
o-Xylene #	ug/l	10	EQS AA for Benzene	<1	<1	<1	<3	-	-	-	<1	<1	<3	-	-	-	<1	<1	<1	<3	
Sum of detected Xylenes	ug/l	10	EQS AA for Benzene				<11	-	-	-			<11	-	-	-				<11	
Sum of detected BTEX	ug/l	10	EQS AA for Benzene				<28	-	-	-			<28	-	-	-				<28	
MTBE #	ug/l	10	EQS AA for Benzene		NA						NA							NA			
Benzene #	ug/l	10	EQS AA for Benzene		NA						NA							NA			
Toluene #	ug/l	10	EQS AA for Benzene		NA						NA							NA			
Ethylbenzene #	ug/l	10	EQS AA for Benzene		NA						NA							NA			
m/p-Xylene #	ug/l	10	EQS AA for Benzene		NA						NA							NA			
o-Xylene #	ug/l	10	EQS AA for Benzene		NA						NA							NA			
VOC MS																					
1,1,1,2-Tetrachloroethane #	ug/l	0	Screened for detection	<2	<2	<2	<1	-	-	-	<2	<2	<1	-	-	-	<2	<2	<2	<1	
1,1,1-Trichloroethane #	ug/l	0	Screened for detection	<2	<2	<2	<1	-	-	-	<2	<2	<1	-	-	-	<2	<2	<2	<1	
1,1,2,2-Tetrachloroethane	ug/l	0	Screened for detection	<4	<4	<4	<1	-	-	-	<4	<4	<1	-	-	-	<4	<4	<4	<1	
1,1,2-Trichloroethane #	ug/l	0	Screened for detection	<2	<2	<2	<1	-	-	-	<2	<2	<1	-	-	-	<2	<2	<2	<1	
1,1-Dichloroethane #	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1	
1,1-Dichloroethene (1,1 DCE) #	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1	
1,1-Dichloropropene #	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1	
1,2,3-Trichlorobenzene	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1	
1,2,3-Trichloropropane #	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1	
1,2,4-Trichlorobenzene	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1	
1,2,4-Trimethylbenzene #	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1	
1,2-Dibromo-3-chloropropane	ug/l	0	Screened for detection	<2	<2	<2	<1	-	-	-	<2	<2	<1	-	-	-	<2	<2	<2	<1	
1,2-Dibromoethane #	ug/l	0	Screened for detection	<2	<2	<2	<1	-	-	-	<2	<2	<1	-	-	-	<2	<2	<2	<1	
1,2-Dichlorobenzene #	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1	
1,2-Dichloroethane #	ug/l	0	Screened for detection	<2	<2	<2	<1	-	-	-	<2	<2	<1	-	-	-	<2	<2	<2	<1	
1,2-Dichloropropane #	ug/l	0	Screened for detection	<2	<2	<2	<1	-	-	-	<2	<2	<1	-	-	-	<2	<2	<2	<1	
1,3,5-Trichlorobenzene	µg/l	0	Screened for detection				<1	-	-	-			<1	-	-	-				<1	
1,3,5-Trimethylbenzene #	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1	
1,3-Dichlorobenzene #	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1	
1,3-Dichloropropane #	ug/l	0	Screened for detection	<2	<2	<2	<1	-	-	-	<2	<2	<1	-	-	-	<2	<2	<2	<1	
1,4-Dichlorobenzene #	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1	
2,2-Dichloropropane	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	
2-Chlorotoluene #	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1	
4-Chlorotoluene #	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1	
4-Isopropyltoluene #	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1	

				Hole Name	BH331B	BH331B	BH331B	BH331	BH331B	BH331B	BH331B	BH347B	BH347B	BH347B	BH347B	BH347B	BH347B	BH348B	BH348B	BH348B	BH348
				Sampled Date	31/05/2017	06/06/2017	13/06/2017	17/11/2017	29/11/2017	06/12/2017	12/12/2017	06/06/2017	13/06/2017	17/11/2017	29/11/2017	06/12/2017	13/12/2017	30/05/2017	06/06/2017	13/06/2017	17/11/2017
				Scheme Zone	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert
				Comment on location	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill
Benzene #	ug/l	10	UK EQS AA	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<0.5	<1
Bromobenzene #	ug/l	0	Screened for detection	<2	<2	<2	<1	-	-	-	<2	<2	<1	-	-	-	<2	<2	<2	<1
Bromochloromethane #	ug/l	0	Screened for detection	<2	<2	<2	<1	-	-	-	<2	<2	<1	-	-	-	<2	<2	<2	<1
Bromodichloromethane #	ug/l	0	Screened for detection	<2	<2	<2	<1	-	-	-	<2	<2	<1	-	-	-	<2	<2	<2	<1
Bromoform #	ug/l	0	Screened for detection	<2	<2	<2	<1	-	-	-	<2	<2	<1	-	-	-	<2	<2	<2	<1
Bromomethane	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
Carbon disulphide	µg/l	0	Screened for detection				<1	-	-	-			<1	-	-	-				<1
Carbon tetrachloride #	ug/l	0	Screened for detection	<2	<2	<2	<1	-	-	-	<2	<2	<1	-	-	-	<2	<2	<2	<1
Chlorobenzene #	ug/l	0	Screened for detection	<2	<2	<2	<1	-	-	-	<2	<2	<1	-	-	-	<2	<2	<2	<1
Chloroethane #	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1
Chloroform #	ug/l	0	Screened for detection	<2	<2	<2	<1	-	-	-	<2	<2	<1	-	-	-	<2	<2	<2	<1
Chloromethane #	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1
cis-1-2-Dichloroethene #	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1
cis-1-3-Dichloropropene	ug/l	0	Screened for detection	<2	<2	<2	<1	-	-	-	<2	<2	<1	-	-	-	<2	<2	<2	<1
Dibromochloromethane #	ug/l	0	Screened for detection	<2	<2	<2	<1	-	-	-	<2	<2	<1	-	-	-	<2	<2	<2	<1
Dibromomethane #	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1
Dichlorodifluoromethane	ug/l	0	Screened for detection	<2	<2	<2	<1	-	-	-	<2	<2	<1	-	-	-	<2	<2	<2	<1
Dichloromethane (DCM) #	ug/l	0	Screened for detection	<5	<5	<5	<3	-	-	-	<5	<5	<3	-	-	-	<5	<5	<5	<3
Ethylbenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
Hexachlorobutadiene	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1
Isopropylbenzene #	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1
Methyl Tertiary Butyl Ether #	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<1	-	-	-	<0.1	<0.1	<1	-	-	-	<0.1	<0.1	<0.1	<1
Naphthalene	ug/l	0	Screened for detection	<2	<2	<2	<1	-	-	-	<2	<2	<1	-	-	-	<2	<2	<2	<1
n-Butylbenzene #	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1
o-Xylene #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
p/m-Xylene #	ug/l	0	Screened for detection	<2	<2	<2	<1	-	-	-	<2	<2	<1	-	-	-	<2	<2	<2	<1
Propylbenzene #	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1
sec-Butylbenzene #	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1
Styrene	ug/l	0	Screened for detection	<2	<2	<2	<1	-	-	-	<2	<2	<1	-	-	-	<2	<2	<2	<1
tert-Amyl methyl ether (TAME)	µg/l	0	Screened for detection				<1	-	-	-			<1	-	-	-				<1
tert-Butylbenzene #	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1
Tetrachloroethene (PCE) #	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1
Toluene #	ug/l	0	Screened for detection	<5	<5	<5	<1	-	-	-	<5	<5	<1	-	-	-	<5	<5	<5	<1
trans-1-2-Dichloroethene #	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1
trans-1-3-Dichloropropene	ug/l	0	Screened for detection	<2	<2	<2	<1	-	-	-	<2	<2	<1	-	-	-	<2	<2	<2	<1
Trichloroethene (TCE) #	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1
Trichlorofluoromethane #	ug/l	0	Screened for detection	<3	<3	<3	<1	-	-	-	<3	<3	<1	-	-	-	<3	<3	<3	<1
Vinyl Chloride #	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<1	-	-	-	<0.1	<0.1	<1	-	-	-	<0.1	<0.1	<0.1	<1
SVOC MS																				
Phenols																				
2-Chlorophenol #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
2-Methylphenol #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<0.5	<1
2-Nitrophenol	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<0.5	<1
2,4-Dichlorophenol #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<0.5	<1
2,4-Dimethylphenol	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
2,4,5-Trichlorophenol #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<0.5	<1
2,4,6-Trichlorophenol	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1

				Hole Name	BH331B	BH331B	BH331B	BH331	BH331B	BH331B	BH331B	BH347B	BH347B	BH347B	BH347B	BH347B	BH347B	BH348B	BH348B	BH348B	BH348
				Sampled Date	31/05/2017	06/06/2017	13/06/2017	17/11/2017	29/11/2017	06/12/2017	12/12/2017	06/06/2017	13/06/2017	17/11/2017	29/11/2017	06/12/2017	13/12/2017	30/05/2017	06/06/2017	13/06/2017	17/11/2017
				Scheme Zone	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert
				Comment on location	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill
4-Chloro-3-methylphenol #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<0.5	<1
4-Methylphenol	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
4-Nitrophenol	ug/l	0	Screened for detection	<10	<10	<10	<1	-	-	-	<10	<10	<1	-	-	-	<10	<10	<10	<1
Pentachlorophenol	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
Phenol	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
PAHs																					
Phthalates																					
Bis(2-ethylhexyl) phthalate	ug/l	0	Screened for detection	<5	<5	<5	2.62	-	-	-	<5	<5	2.86	-	-	-	<5	<5	<5	<2
Butylbenzyl phthalate	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
Di-n-butyl phthalate #	ug/l	0	Screened for detection	<1.5	<1.5	<1.5	<1	-	-	-	<1.5	<1.5	<1	-	-	-	<1.5	<1.5	<1.5	<1
Di-n-Octyl phthalate	ug/l	0	Screened for detection	<1	<1	<1	<5	-	-	-	<1	<1	<5	-	-	-	<1	<1	<1	<5
Diethyl phthalate #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
Dimethyl phthalate	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
Other SVOCs																					
1,2-Dichlorobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
1,2,4-Trichlorobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
1,3-Dichlorobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
1,4-Dichlorobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
2-Nitroaniline	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
2,4-Dinitrotoluene #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<0.5	<1
2,6-Dinitrotoluene	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
3-Nitroaniline	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
4-Bromophenylphenylether #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
4-Chloroaniline	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
4-Chlorophenylphenylether #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
4-Nitroaniline	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<0.5	<1
Azobenzene #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<0.5	<1
Bis(2-chloroethoxy)methane #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<0.5	<1
Bis(2-chloroethyl)ether #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
Carbazole #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<0.5	<1
Dibenzofuran #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<0.5	<1
Hexachlorobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
Hexachlorobutadiene #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
Hexachlorocyclopentadiene	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
Hexachloroethane #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
Isophorone #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<0.5	<1
N-nitrosodi-n-propylamine #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<0.5	<1
Nitrobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1
PCBs:																					
PCB 28	ug/l	0	Screened for detection	2.80	0.20	<0.1	0.10	-	-	-	<0.1	<0.1	<0.015	-	-	-	0.30	<0.1	<0.1	<0.015
PCB 52	ug/l	0	Screened for detection	0.60	<0.1	<0.1	<0.015	-	-	-	<0.1	<0.1	<0.015	-	-	-	0.10	<0.1	<0.1	<0.015
PCB 101	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.015	-	-	-	<0.1	<0.1	<0.015	-	-	-	<0.1	<0.1	<0.1	<0.015
PCB 105	µg/l	0	Screened for detection				<0.015	-	-	-			<0.015	-	-	-				<0.015
PCB 114	µg/l	0	Screened for detection				<0.015	-	-	-			<0.015	-	-	-				<0.015
PCB 118	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.015	-	-	-	<0.1	<0.1	<0.015	-	-	-	<0.1	<0.1	<0.1	<0.015
PCB 123	µg/l	0	Screened for detection				<0.015	-	-	-			<0.015	-	-	-				<0.015

			Hole Name	BH331B	BH331B	BH331B	BH331	BH331B	BH331B	BH331B	BH347B	BH347B	BH347B	BH347B	BH347B	BH347B	BH348B	BH348B	BH348B	BH348
			Sampled Date	31/05/2017	06/06/2017	13/06/2017	17/11/2017	29/11/2017	06/12/2017	12/12/2017	06/06/2017	13/06/2017	17/11/2017	29/11/2017	06/12/2017	13/12/2017	30/05/2017	06/06/2017	13/06/2017	17/11/2017
			Scheme Zone	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert
			Comment on location	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill
PCB 126	µg/l	0	Screened for detection				<0.015	-	-	-			<0.015	-	-	-				<0.015
PCB 138	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.015	-	-	-	<0.1	<0.1	<0.015	-	-	-	<0.1	<0.1	<0.1	<0.015
PCB 153	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.015	-	-	-	<0.1	<0.1	<0.015	-	-	-	<0.1	<0.1	<0.1	<0.015
PCB 156	µg/l	0	Screened for detection				<0.015	-	-	-			<0.015	-	-	-				<0.015
PCB 157	µg/l	0	Screened for detection				<0.015	-	-	-			<0.015	-	-	-				<0.015
PCB 167	µg/l	0	Screened for detection				<0.015	-	-	-			<0.015	-	-	-				<0.015
PCB 169	µg/l	0	Screened for detection				<0.015	-	-	-			<0.015	-	-	-				<0.015
PCB 180	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.015	-	-	-	<0.1	<0.1	<0.015	-	-	-	<0.1	<0.1	<0.1	<0.015
PCB 189	µg/l	0	Screened for detection				<0.015	-	-	-			<0.015	-	-	-				<0.015
PCB congener 77	µg/l	0	Screened for detection				<0.015	-	-	-			<0.015	-	-	-				<0.015
PCB congener 81	µg/l	0	Screened for detection				<0.015	-	-	-			<0.015	-	-	-				<0.015
Total 7 PCBs	ug/l	0	Screened for detection	3.40	<0.7	<0.7					<0.7	<0.7					<0.7	<0.7	<0.7	
Sum of detected EC7 PCB's	µg/l	0	Screened for detection				<0.105	-	-	-			<0.105	-	-	-				<0.105
Pesticides																				
Organochlorine Pesticides																				
Aldrin	ug/l	0	Screened for detection				<0.02	-	-	-			<0.02	-	-	-				<0.02
Alpha-HCH (BHC)	ug/l	0	Screened for detection				<0.01	-	-	-			<0.01	-	-	-				<0.01
Beta-HCH (BHC)	ug/l	0	Screened for detection				<0.01	-	-	-			<0.01	-	-	-				<0.01
Chlorothalonil	ug/l	0	Screened for detection				<0.01	-	-	-			<0.01	-	-	-				<0.01
cis-Chlordane	ug/l	0	Screened for detection				<0.01	-	-	-			<0.01	-	-	-				<0.01
Delta-HCH (BHC)	ug/l	0	Screened for detection				<0.01	-	-	-			<0.01	-	-	-				<0.01
Dieldrin	ug/l	0	Screened for detection				<0.01	-	-	-			<0.01	-	-	-				<0.01
Disulfoton	µg/l	0	Screened for detection				<0.01	-	-	-			<0.01	-	-	-				<0.01
Endosulphan I	ug/l	0	Screened for detection				<0.01	-	-	-			<0.01	-	-	-				<0.01
Endosulphan II	ug/l	0	Screened for detection				<0.02	-	-	-			<0.02	-	-	-				<0.02
Endosulphan sulphate	ug/l	0	Screened for detection				<0.02	-	-	-			<0.02	-	-	-				<0.02
Endrin	ug/l	0	Screened for detection				<0.01	-	-	-			<0.01	-	-	-				<0.01
Gamma-HCH (BHC)	ug/l	0	Screened for detection				<0.01	-	-	-			<0.01	-	-	-				<0.01
Heptachlor	ug/l	0	Screened for detection				<0.02	-	-	-			<0.02	-	-	-				<0.02
Heptachlor Epoxide	ug/l	0	Screened for detection				<0.01	-	-	-			<0.01	-	-	-				<0.01
Hexachlorobenzene	ug/l	0	Screened for detection				<0.01	-	-	-			<0.01	-	-	-				<0.01
Isodrin	ug/l	0	Screened for detection				<0.01	-	-	-			<0.01	-	-	-				<0.01
o,p'-DDE	ug/l	0	Screened for detection				<0.01	-	-	-			<0.01	-	-	-				<0.01
o,p'-DDT	ug/l	0	Screened for detection				<0.02	-	-	-			<0.02	-	-	-				<0.02
o,p'-Methoxychlor	ug/l	0	Screened for detection				<0.02	-	-	-			<0.02	-	-	-				<0.02
o,p'-TDE	ug/l	0	Screened for detection				<0.01	-	-	-			<0.01	-	-	-				<0.01
p,p'-DDE	ug/l	0	Screened for detection				<0.01	-	-	-			<0.01	-	-	-				<0.01
p,p'-DDT	ug/l	0	Screened for detection				<0.02	-	-	-			<0.02	-	-	-				<0.02
p,p'-Methoxychlor	ug/l	0	Screened for detection				<0.02	-	-	-			<0.02	-	-	-				<0.02
p,p'-TDE	ug/l	0	Screened for detection				<0.01	-	-	-			<0.01	-	-	-				<0.01
Pendimethalin	ug/l	0	Screened for detection				<0.01	-	-	-			<0.01	-	-	-				<0.01
Permethrin I	ug/l	0	Screened for detection				<0.01	-	-	-			<0.01	-	-	-				<0.01
Permethrin II	ug/l	0	Screened for detection				<0.01	-	-	-			<0.01	-	-	-				<0.01
Quintozene (PCNB)	ug/l	0	Screened for detection				<0.01	-	-	-			<0.01	-	-	-				<0.01
Tecnazene	ug/l	0	Screened for detection				<0.01	-	-	-			<0.01	-	-	-				<0.01
Telodrin	ug/l	0	Screened for detection				<0.01	-	-	-			<0.01	-	-	-				<0.01
trans-Chlordane	ug/l	0	Screened for detection				<0.01	-	-	-			<0.01	-	-	-				<0.01

				Hole Name	BH331B	BH331B	BH331B	BH331	BH331B	BH331B	BH331B	BH347B	BH347B	BH347B	BH347B	BH347B	BH347B	BH348B	BH348B	BH348B	BH348
				Sampled Date	31/05/2017	06/06/2017	13/06/2017	17/11/2017	29/11/2017	06/12/2017	12/12/2017	06/06/2017	13/06/2017	17/11/2017	29/11/2017	06/12/2017	13/12/2017	30/05/2017	06/06/2017	13/06/2017	17/11/2017
				Scheme Zone	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert
				Comment on location	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill
Triadimefon	ug/l	0	Screened for detection				<0.01	-	-	-			<0.01	-	-	-				<0.01
Triallate	ug/l	0	Screened for detection				<0.01	-	-	-			<0.01	-	-	-				<0.01
Trifluralin	ug/l	0	Screened for detection				<0.01	-	-	-			<0.01	-	-	-				<0.01
Organophosphorus Pesticides		0	Screened for detection																	
Azinphos ethyl	ug/l	0	Screened for detection																	
Azinphos methyl	ug/l	0	Screened for detection																	
Carbophenothion	ug/l	0	Screened for detection																	
Chlorfenvinphos	ug/l	0	Screened for detection																	
Chlorpyrifos	ug/l	0	Screened for detection																	
Chlorpyrifos-methyl	ug/l	0	Screened for detection																	
Diazinon	ug/l	0	Screened for detection																	
Dichlorvos	ug/l	0	Screened for detection																	
Disulfoton	ug/l	0	Screened for detection																	
Dimethoate	ug/l	0	Screened for detection																	
Ethion	ug/l	0	Screened for detection																	
Ethyl Parathion (Parathion)	ug/l	0	Screened for detection																	
Etrimphos	ug/l	0	Screened for detection																	
Fenitrothion	ug/l	0	Screened for detection																	
Fenthion	ug/l	0	Screened for detection																	
Malathion	ug/l	0	Screened for detection																	
Methyl Parathion	ug/l	0	Screened for detection																	
Mevinphos	ug/l	0	Screened for detection																	
Phosalone	ug/l	0	Screened for detection																	
Pirimiphos Methyl	ug/l	0	Screened for detection																	
Propetamphos	ug/l	0	Screened for detection																	
Triazophos	ug/l	0	Screened for detection																	
Benazolin	ug/l	0	Screened for detection	<0.1	<0.1	<0.1					<0.1	<0.1					<0.1	<0.1	<0.1	
Bentazone	ug/l	0	Screened for detection	<0.1	<0.1	<0.1					<0.1	<0.1					<0.1	<0.1	<0.1	
Bromoxynil	ug/l	0	Screened for detection	<0.1	<0.1	<0.1					<0.1	<0.1					<0.1	<0.1	<0.1	
Clopyralid	ug/l	0	Screened for detection	<0.1	<0.1	<0.1					<0.1	<0.1					<0.1	<0.1	<0.1	
4 - CPA	ug/l	0	Screened for detection	<0.1	<0.1	<0.1					<0.1	<0.1					<0.1	<0.1	<0.1	
2,4 - D	ug/l	0	Screened for detection	<0.1	<0.1	<0.1					<0.1	<0.1					<0.1	<0.1	<0.1	
2,4 - DB	ug/l	0	Screened for detection	<0.1	<0.1	<0.1					<0.1	<0.1					<0.1	<0.1	<0.1	
Dicamba	ug/l	0	Screened for detection	<0.1	<0.1	<0.1					<0.1	<0.1					<0.1	<0.1	<0.1	
Dichloroprop	ug/l	0	Screened for detection	<0.1	<0.1	<0.1					<0.1	<0.1					<0.1	<0.1	<0.1	
Diclofop	ug/l	0	Screened for detection	<0.1	<0.1	<0.1					<0.1	<0.1					<0.1	<0.1	<0.1	
Fenoprop	ug/l	0	Screened for detection	<0.1	<0.1	<0.1					<0.1	<0.1					<0.1	<0.1	<0.1	
Flamprop	ug/l	0	Screened for detection	<0.1	<0.1	<0.1					<0.1	<0.1					<0.1	<0.1	<0.1	
Flamprop – isopropyl	ug/l	0	Screened for detection	<0.1	<0.1	<0.1					<0.1	<0.1					<0.1	<0.1	<0.1	
Ioxynil	ug/l	0	Screened for detection	<0.1	<0.1	<0.1					<0.1	<0.1					<0.1	<0.1	<0.1	
MCPA	ug/l	0	Screened for detection	<0.1	<0.1	<0.1					<0.1	<0.1					<0.1	<0.1	<0.1	
MCPB	ug/l	0	Screened for detection	<0.1	<0.1	<0.1					<0.1	<0.1					<0.1	<0.1	<0.1	
Mecoprop	ug/l	0	Screened for detection	<0.1	<0.1	<0.1					<0.1	<0.1					<0.1	<0.1	<0.1	
Picloram	ug/l	0	Screened for detection	<0.1	<0.1	<0.1					<0.1	<0.1					<0.1	<0.1	<0.1	
Pentachlorophenol	ug/l	0	Screened for detection	<0.1	<0.1	<0.1					<0.1	<0.1					<0.1	<0.1	<0.1	
2,4,5 - T	ug/l	0	Screened for detection	<0.1	<0.1	<0.1					<0.1	<0.1					<0.1	<0.1	<0.1	
2,3,6 - TBA	ug/l	0	Screened for detection	<0.1	<0.1	<0.1					<0.1	<0.1					<0.1	<0.1	<0.1	

			Hole Name	BH331B	BH331B	BH331B	BH331	BH331B	BH331B	BH331B	BH347B	BH347B	BH347B	BH347B	BH347B	BH347B	BH348B	BH348B	BH348B	BH348
			Sampled Date	31/05/2017	06/06/2017	13/06/2017	17/11/2017	29/11/2017	06/12/2017	12/12/2017	06/06/2017	13/06/2017	17/11/2017	29/11/2017	06/12/2017	13/12/2017	30/05/2017	06/06/2017	13/06/2017	17/11/2017
			Scheme Zone	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H	4H
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert	A423 E culvert
			Comment on location	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill
Triclopyr	ug/l	0	Screened for detection	<0.1	<0.1	<0.1					<0.1	<0.1					<0.1	<0.1	<0.1	
Atrazine	ug/l	0	Screened for detection	<0.01	NA						NA						<0.01	NA		
Simazine	ug/l	0	Screened for detection	<0.01	NA						NA						<0.01	NA		
Monuron	ug/l	0	Screened for detection	<0.01	NA						NA						<0.01	NA		
Diuron	ug/l	0	Screened for detection	<0.01	NA						NA						<0.01	NA		
Linuron	ug/l	0	Screened for detection	<0.01	NA						NA						<0.01	NA		
Chlortoluron	ug/l	0	Screened for detection	<0.01	NA						NA						<0.01	NA		
Isoproturon	ug/l	0	Screened for detection	<0.01	NA						NA						<0.01	NA		
Carbetamide	ug/l	0	Screened for detection	<0.1	NA						NA						<0.1	NA		

				Hole Name	BH348B	BH348B	BH348B	BH339	BH339	BH339	BH339	BH369B	BH369B	BH369B	BH369	BH369B	BH366FH	BH366FH	BH366-FH	BH366-FH	BH366-FH
				Sampled Date	29/11/2017	06/12/2017	13/12/2017	05/06/2017	29/11/2017	06/12/2017	12/12/2017	08/06/2017	13/06/2017	07/12/2017	13/12/2017	18/12/2017	07/06/2017	13/06/2017	31/05/2017	29/11/2017	06/12/2017
				Scheme Zone	4H	4H	4H	4E	4E	4E	4E	4E	4E	4E	4E	4E	3D	3D	3D	3D	3D
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	A423 E culvert	A423 E culvert	A423 E culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey
				Comment on location	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill														
Test	**Units**	**Initial Screen - ing Value**	**Source of Screening Value**																		
pH[1]	pH units	6.5	EQS	7.37	7.3	7.67	7.75	7.41	7.45	7.46	7.69	7.39	7.58	7.87	7.62	NA	NA		7.31	7.23
Total Alkalinity, Bicarbonate as CaCO3	mg/l		Indicator only	420	395	370	307	525	465	305	NA		3400	1600	1640	NA	NA		340	2590
Dissolved Organic Carbon	mg/l		Indicator only	5.21	6.08	17.3	<2	3.26	<3	3.45	NA		<3	3.82	3.97	NA	NA		3.58	<3
Chloride	mg/l	250	UK DWS	167	158	145	37.8	40.1	41.8	45.3	NA		-	42.4	43.7	NA	NA		36	35.7
Nitrate as NO3	mg/l	50	UK DWS	<0.3	0.342	<0.3	4.5	0.763	0.754	0.416	NA		<0.3	<0.3	0.744	NA	NA		<0.3	<0.3
Sulphate	mg/l	250	UK DWS	30.5	32.4	36.3	53.2	43.8	44.2	46.4	52.6	132.7	52.7	107	52.5	NA	NA		80.5	78.3
Ortho Phosphate as PO4 #	mg/l	0.06	Notional standard	<0.05	<0.05	<0.05	<0.06	<0.05	<0.05	<0.05	NA		<0.05	<0.05	-	NA	NA		<0.05	<0.05
Ammoniacal Nitrogen as N #	mg/l	0.6	EQS for rivers	16	17	18.1	0.09	<0.2	<0.2	<0.2	NA		<0.2	0.203	<0.2	NA			<0.2	0.218
Ortho Phosphate as PO4 #	mg/l	0.06	Previous EQS AA (Good for lowland, hard waters)				<0.06				NA					NA	NA			
Metals																				
Dissolved Arsenic #	ug/l	50	EQS AA	9.17	12.4	15	<2.5	<0.5	2.16	<0.5	NA	NA	0.678	1.23	0.533	NA	NA	NA	29.6	1.43
Dissolved Boron	ug/l	1000	UK DWS	366	290	308	63	70.7	63.7	76.4	NA	NA	59.3	90.2	64.3	NA	NA	NA	172	190
Dissolved Cadmium #	ug/l	0.25	EQS AA (Hard water)	<0.08	<0.08	<0.08	<0.5	<0.08	<0.08	<0.08	NA	NA	-	<0.08	<0.08	NA	NA	NA	0.151	<0.08
Total Dissolved Chromium #	ug/l	3.4	EQS AA for Cr VI	2.25	2.05	1.36	<1.5	<1	6.88	<1	NA	NA	-	<1	<1	NA	NA	NA	5.05	<1
Hexavalent Chromium	mg/l	3.4	EQS AA for Cr VI	<0.03	<0.03	<0.03	<0.006	<0.03	<0.03	<0.03	NA		-	<0.03	<0.03	NA	NA		<0.03	<0.03
Dissolved Copper #	ug/l	1	Min. EQS AA (Bioavailable)	<0.3	<0.3	<0.3	<7	0.927	5.18	2.26	NA	NA	-	<0.3	<0.3	NA	NA	NA	3.52	0.429
Dissolved Lead #	ug/l	1.2	Min. EQS AA (Bioavailable)	<0.2	<0.2	<0.2	<5	<0.2	3.6	<0.2	NA	NA	<0.2	<0.2	<0.2	NA	NA	NA	3.62	<0.2
Dissolved Nickel #	ug/l	4	Min. EQS AA (Bioavailable)	3.05	3.28	1.06	2	2.7	3.92	2.06	NA	NA	3.78	2.64	1.84	NA	NA	NA	7.26	1.81
Dissolved Zinc #	ug/l	10.9	Min. EQS AA (Bioavailable)	7.88	1.57	17.1	<3	6.02	31.4	20.2	NA	NA	2.1	1.57	1.69	NA	NA	NA	32.7	<1
Mercury Dissolved by CVAF	ug/l	0.07	EQS MAC	<0.01	<0.01	<0.01	NA	<0.01	0.0176	<0.01	NA	NA	<0.01	<0.01	<0.01	NA	NA	NA	0.0168	<0.01
Dissolved Mercury #	ug/l	0.07	EQS MAC	<0.01	<0.01	<0.01	<1	<0.01	0.0176	<0.01	NA		<0.01	<0.01	<0.01	NA	NA		0.0168	<0.01
Dissolved Calcium #	mg/l		Indicator only	101	100	106	116.7	116	142	106	NA		104	127	108	NA	NA		190	151
Dissolved Magnesium #	mg/l		Indicator only	7.33	7.8	7.22	6.1	5.67	5.33	5.19	NA		4.98	6.27	4.42	NA	NA		3.57	3.22
Dissolved Sodium #	mg/l		Indicator only	79	84	86.5	25.5	27.5	27	26.5	NA		27.6	27.2	25.3	NA	NA		25.9	24.1
Phenols																				
Total Phenols HPLC	mg/l	0.0077	EQS AA				<0.1				NA					NA	NA			
Phenol	mg/l	0.0077	EQS AA	<0.002	<0.002	<0.002	NA	<0.002	<0.002	<0.002	NA	NA	<0.002	<0.002	<0.002	NA	NA	NA	<0.002	<0.002
PAH MS																				
Acenaphthylene #	ug/l	0	Screened for detection	<0.005	0.01	<0.005	<0.013	<0.005	<0.005	<0.005	NA	NA	<0.005	<0.005	0.01	NA	NA	NA	<0.005	<0.025
Anthracene #	ug/l	0.1	EQS AA	0.01	0.01	<0.005	<0.013	<0.005	<0.005	<0.005	NA	NA	<0.005	<0.005	0.01	NA	NA	NA	<0.005	<0.025
Benzo(a)anthracene #	ug/l	0	Screened for detection	0.07	0.05	0.02	<0.015	0.04	0.01	0.02	NA	NA	<0.005	0.02	0.10	NA	NA	NA	0.01	0.07
Benzo(a)pyrene #	ug/l	0.00017	EQS AA	0.06	0.06	0.00	<0.016	0.03	0.00	0.02	NA	NA	<0.002	0.01	0.15	NA	NA	NA	0.01	<0.01
Benzo(b)fluoranthene	ug/l	0.017	EQS MAC	0.09	0.10	0.02	<0.01	0.05	0.01	0.03	NA	NA	<0.005	0.02	0.23	NA	NA	NA	0.02	<0.025
Benzo(ghi)perylene #	ug/l	0.0082	EQS MAC	0.07	0.09	0.02	<0.011	0.04	<0.005	0.03	NA	NA	<0.005	<0.005	0.13	NA	NA	NA	0.02	<0.025
Benzo(k)fluoranthene	ug/l	0.017	EQS MAC	0.05	0.05	0.01	<0.01	0.02	0.01	0.01	NA	NA	<0.005	0.01	0.08	NA	NA	NA	0.01	<0.025
Chrysene #	ug/l	0	Screened for detection	0.06	0.06	0.01	<0.011	0.04	0.01	0.02	NA	NA	<0.005	0.01	0.10	NA	NA	NA	0.01	0.05
Dibenzo(ah)anthracene #	ug/l	0	Screened for detection	0.01	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	NA	NA	<0.005	<0.005	0.02	NA	NA	NA	<0.005	<0.025
Fluoranthene #	ug/l	0.0063	EQS AA	0.13	0.13	0.03	0.02	0.06	0.01	0.03	NA	NA	0.04	0.02	0.16	NA	NA	NA	0.02	0.07
Fluorene #	ug/l	0	Screened for detection	0.01	0.01	0.01	<0.014	<0.005	<0.005	<0.005	NA	NA	<0.005	<0.005	0.01	NA	NA	NA	<0.005	<0.025
Indeno(123cd)pyrene #	ug/l	0	Screened for detection	0.04	0.04	<0.005	<0.011	0.03	<0.005	0.01	NA	NA	<0.005	<0.005	0.09	NA	NA	NA	0.02	<0.025
Naphthalene #	ug/l	2	EQS AA	<0.01	0.01	<0.01	<0.1	<0.01	<0.01	<0.01	NA	NA	0.08	<0.01	0.03	NA	NA	NA	0.02	<0.05

			Hole Name	BH348B	BH348B	BH348B	BH339	BH339	BH339	BH339	BH369B	BH369B	BH369B	BH369	BH369B	BH366FH	BH366FH	BH366-FH	BH366-FH	BH366-FH
			Sampled Date	29/11/2017	06/12/2017	13/12/2017	05/06/2017	29/11/2017	06/12/2017	12/12/2017	08/06/2017	13/06/2017	07/12/2017	13/12/2017	18/12/2017	07/06/2017	13/06/2017	31/05/2017	29/11/2017	06/12/2017
			Scheme Zone	4H	4H	4H	4E	4E	4E	4E	4E	4E	4E	4E	4E	3D	3D	3D	3D	3D
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	A423 E culvert	A423 E culvert	A423 E culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey
			Comment on location	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill														
Phenanthrene #	ug/l	0	Screened for detection	0.04	0.03	0.01	<0.011	0.02	<0.005	<0.005	NA	NA	0.01	<0.005	0.04	NA	NA	NA	0.01	0.03
Pyrene #	ug/l	0	Screened for detection	0.10	0.13	0.05	0.01	0.06	0.01	0.03	NA	NA	0.05	0.03	0.16	NA	NA	NA	0.02	0.07
PAH 16 Total #	ug/l		n/a -sum of above	0.74	0.81	0.20	<0.195	0.40	<0.082	0.19	NA	NA	0.18	0.11	1.30	NA	NA	NA	0.15	<0.41
PAH, Total Detected USEPA 16 (	µg/l			0.74	0.81	0.20		0.40	<0.082	0.19			0.18	0.11	1.30				0.15	<0.41
Benzo(bk)fluoranthene #	ug/l	0	Screened for detection				<0.018				NA	NA				NA	NA	NA		
Acenaphthene #	ug/l	0	Screened for detection	0.02	0.04	0.03	<0.013	<0.005	<0.005	<0.005	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	<0.005	<0.025
2-Chloronaphthalene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
2-Methylnaphthalene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
Naphthalene #	ug/l	2	UK EQS AA	<0.01	0.01	<0.01	NA	<0.01	<0.01	<0.01	<1	<1	0.08	<0.01	0.03	<1	<1	<1	0.02	<0.05
Acenaphthylene #	ug/l	0	Screened for detection	<0.005	0.01	<0.005	NA	<0.005	<0.005	<0.005	<0.5	<0.5	<0.005	<0.005	0.01	<0.5	<0.5	<0.5	<0.005	<0.025
Acenaphthene #	ug/l	0	Screened for detection	0.02	0.04	0.03	NA	<0.005	<0.005	<0.005	<1	<1	<0.005	<0.005	<0.005	<1	<1	<1	<0.005	<0.025
Fluorene #	ug/l	0	Screened for detection	0.01	0.01	0.01	NA	<0.005	<0.005	<0.005	<0.5	<0.5	<0.005	<0.005	0.01	<0.5	<0.5	<0.5	<0.005	<0.025
Phenanthrene #	ug/l	0	Screened for detection	0.04	0.03	0.01	NA	0.02	<0.005	<0.005	<0.5	<0.5	0.01	<0.005	0.04	<0.5	<0.5	<0.5	0.01	0.03
Anthracene #	ug/l	0.1	EQS AA	0.01	0.01	<0.005	NA	<0.005	<0.005	<0.005	<0.5	<0.5	<0.005	<0.005	0.01	<0.5	<0.5	<0.5	<0.005	<0.025
Fluoranthene #	ug/l	0.0063	EQS AA	0.13	0.13	0.03	NA	0.06	0.01	0.03	<0.5	<0.5	0.04	0.02	0.16	<0.5	<0.5	<0.5	0.02	0.07
Pyrene #	ug/l	0	Screened for detection	0.10	0.13	0.05	NA	0.06	0.01	0.03	<0.5	<0.5	0.05	0.03	0.16	<0.5	<0.5	<0.5	0.02	0.07
Benzo(a)anthracene #	ug/l	0	Screened for detection	0.07	0.05	0.02	NA	0.04	0.01	0.02	<0.5	<0.5	<0.005	0.02	0.10	<0.5	<0.5	<0.5	0.01	0.07
Chrysene #	ug/l	0	Screened for detection	0.06	0.06	0.01	NA	0.04	0.01	0.02	<0.5	<0.5	<0.005	0.01	0.10	<0.5	<0.5	<0.5	0.01	0.05
Benzo(bk)fluoranthene #	ug/l	0	Screened for detection				NA				<1	<1				<1	<1	<1		
Benzo(a)pyrene	ug/l	0.00017	EQS AA	0.06	0.06	0.00	NA	0.03	0.00	0.02	<1	<1	<0.002	0.01	0.15	<1	<1	<1	0.01	<0.01
Indeno(123cd)pyrene	ug/l	0	Screened for detection	0.04	0.04	<0.005	NA	0.03	<0.005	0.01	<1	<1	<0.005	<0.005	0.09	<1	<1	<1	0.02	<0.025
Dibenzo(ah)anthracene #	ug/l	0	Screened for detection	0.01	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.5	<0.5	<0.005	<0.005	0.02	<0.5	<0.5	<0.5	<0.005	<0.025
Benzo(ghi)perylene #	ug/l	0.0082	EQS MAC	0.07	0.09	0.02	NA	0.04	<0.005	0.03	<0.5	<0.5	<0.005	<0.005	0.13	<0.5	<0.5	<0.5	0.02	<0.025
Benzo(b)fluoranthene (aq)	µg/l	0.017	EQS MAC	-	-	-		-	-	-			<1	-	-				-	-
Benzo(k)fluoranthene (aq)	µg/l	0.017	EQS MAC	-	-	-		-	-	-			<1	-	-				-	-
TPH CWG																				
Aliphatics																				
>C5-C6 #	ug/l	10	EQS AA for Benzene	-	-	-	<10	-	-	-	<10	<10	<10	-	-	<10	<10	<10	-	-
>C6-C8 #	ug/l	10	EQS AA for Benzene	-	-	-	<10	-	-	-	<10	<10	<10	-	-	<10	<10	<10	-	-
>C8-C10 #	ug/l	10	EQS AA for Benzene	-	-	-	<10	-	-	-	<10	<10	<10	-	-	<10	<10	<10	-	-
>C10-C12 #	ug/l	10	EQS AA for Benzene	-	-	-	<5	-	-	-	<5	<5	<10	-	-	<5	<5	<5	-	-
>C12-C16 #	ug/l	10	EQS AA for Benzene	-	-	-	<10	-	-	-	<10	<10	<10	-	-	<10	<10	<10	-	-
>C16-C21 #	ug/l	10	EQS AA for Benzene	-	-	-	<10	-	-	-	<10	<10	34	-	-	<10	<10	<10	-	-
>C21-C35 #	ug/l	10	EQS AA for Benzene	-	-	-	<10	-	-	-	<10	<10	536	-	-	<10	<10	<10	-	-
Total aliphatics C5-35 #	ug/l	10	EQS AA for Benzene				<10				<10	<10				<10	<10	<10		
Total Aliphatics >C12-C35 (aq)	ug/l	10	EQS AA for Benzene	-	-	-		-	-	-			570	-	-				-	-
Aromatics																				
>C5-EC7 #	ug/l	10	EQS AA for Benzene	-	-	-	<10	-	-	-	<10	<10	<10	-	-	<10	<10	<10	-	-
>EC7-EC8 #	ug/l	10	EQS AA for Benzene	-	-	-	<10	-	-	-	<10	<10	<10	-	-	<10	<10	<10	-	-
>EC8-EC10 #	ug/l	10	EQS AA for Benzene	-	-	-	<10	-	-	-	<10	<10	<10	-	-	<10	<10	<10	-	-
>EC10-EC12 #	ug/l	10	EQS AA for Benzene	-	-	-	<5	-	-	-	<5	<5	<10	-	-	<5	<5	<5	-	-
>EC12-EC16 #	ug/l	10	EQS AA for Benzene	-	-	-	<10	-	-	-	<10	<10	<10	-	-	<10	<10	<10	-	-
>EC16-EC21 #	ug/l	10	EQS AA for Benzene	-	-	-	<10	-	-	-	<10	<10	16	-	-	<10	<10	<10	-	-
>EC21-EC35 #	ug/l	10	EQS AA for Benzene	-	-	-	<10	-	-	-	<10	<10	156	-	-	<10	<10	<10	-	-

			Hole Name	BH348B	BH348B	BH348B	BH339	BH339	BH339	BH339	BH369B	BH369B	BH369B	BH369	BH369B	BH366FH	BH366FH	BH366-FH	BH366-FH	BH366-FH
			Sampled Date	29/11/2017	06/12/2017	13/12/2017	05/06/2017	29/11/2017	06/12/2017	12/12/2017	08/06/2017	13/06/2017	07/12/2017	13/12/2017	18/12/2017	07/06/2017	13/06/2017	31/05/2017	29/11/2017	06/12/2017
			Scheme Zone	4H	4H	4H	4E	4E	4E	4E	4E	4E	4E	4E	4E	3D	3D	3D	3D	3D
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	A423 E culvert	A423 E culvert	A423 E culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey
			Comment on location	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill															
Total Aromatics >EC12-EC35 (ac	µg/l	10	EQS AA for Benzene	-	-	-		-	-	-			172	-	-				-	-
Total aromatics C5-35 #	ug/l	10	EQS AA for Benzene				<10				<10	<10				<10	<10	<10		
Total aliphatics and aromatics(C5-35) #	ug/l	10	EQS AA for Benzene	-	-	-	<10	-	-	-	<10	<10	742	-	-	<10	<10	<10	-	-
Aliphatics >C16-C35 Aqueous	µg/l	10	EQS AA for Benzene	-	-	-		-	-	-			570	-	-				-	-
GRO >C5-C12	µg/l	10	EQS AA for Benzene	-	-	-		-	-	-			<50	-	-				-	-
BTEX/MTBE MS																					
Methyl Tertiary Butyl Ether #	ug/l	10	EQS AA for Benzene	-	-	-	NA	-	-	-	<0.1	<0.1	<3	-	-	<0.1	<0.1	<0.1	-	-
Benzene #	ug/l	10	EQS AA for Benzene	-	-	-	NA	-	-	-	<0.5	<0.5	<7	-	-	<0.5	<0.5	<0.5	-	-
Toluene #	ug/l	10	EQS AA for Benzene	-	-	-	NA	-	-	-	<5	<5	<4	-	-	<5	<5	<5	-	-
Ethylbenzene #	ug/l	10	EQS AA for Benzene	-	-	-	NA	-	-	-	<1	<1	<5	-	-	<1	<1	<1	-	-
p/m-Xylene #	ug/l	10	EQS AA for Benzene	-	-	-	NA	-	-	-	<2	<2	<8	-	-	<2	<2	<2	-	-
o-Xylene #	ug/l	10	EQS AA for Benzene	-	-	-	NA	-	-	-	<1	<1	<3	-	-	<1	<1	<1	-	-
Sum of detected Xylenes	ug/l	10	EQS AA for Benzene	-	-	-		-	-	-			<11	-	-				-	-
Sum of detected BTEX	ug/l	10	EQS AA for Benzene	-	-	-		-	-	-			<28	-	-				-	-
MTBE #	ug/l	10	EQS AA for Benzene				<5				NA					NA	NA			
Benzene #	ug/l	10	EQS AA for Benzene				<5				NA					NA	NA			
Toluene #	ug/l	10	EQS AA for Benzene				<5				NA					NA	NA			
Ethylbenzene #	ug/l	10	EQS AA for Benzene				<5				NA					NA	NA			
m/p-Xylene #	ug/l	10	EQS AA for Benzene				<5				NA					NA	NA			
o-Xylene #	ug/l	10	EQS AA for Benzene				<5				NA					NA	NA			
VOC MS																					
1,1,1,2-Tetrachloroethane #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<2	<2	<1	-	-	<2	<2	<2	-	-
1,1,1-Trichloroethane #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<2	<2	<1	-	-	<2	<2	<2	-	-
1,1,2,2-Tetrachloroethane	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<4	<4	<1	-	-	<4	<4	<4	-	-
1,1,2-Trichloroethane #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<2	<2	<1	-	-	<2	<2	<2	-	-
1,1-Dichloroethane #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-
1,1-Dichloroethene (1,1 DCE) #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-
1,1-Dichloropropene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-
1,2,3-Trichlorobenzene	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-
1,2,3-Trichloropropane #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-
1,2,4-Trichlorobenzene	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-
1,2,4-Trimethylbenzene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-
1,2-Dibromo-3-chloropropane	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<2	<2	<1	-	-	<2	<2	<2	-	-
1,2-Dibromoethane #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<2	<2	<1	-	-	<2	<2	<2	-	-
1,2-Dichlorobenzene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-
1,2-Dichloroethane #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<2	<2	<1	-	-	<2	<2	<2	-	-
1,2-Dichloropropane #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<2	<2	<1	-	-	<2	<2	<2	-	-
1,3,5-Trichlorobenzene	µg/l	0	Screened for detection	-	-	-		-	-	-			<1	-	-				-	-
1,3,5-Trimethylbenzene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-
1,3-Dichlorobenzene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-
1,3-Dichloropropane #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<2	<2	<1	-	-	<2	<2	<2	-	-
1,4-Dichlorobenzene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-
2,2-Dichloropropane	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
2-Chlorotoluene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-
4-Chlorotoluene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-
4-Isopropyltoluene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-

				Hole Name	BH348B	BH348B	BH348B	BH339	BH339	BH339	BH339	BH369B	BH369B	BH369B	BH369	BH369B	BH366FH	BH366FH	BH366-FH	BH366-FH	BH366-FH
				Sampled Date	29/11/2017	06/12/2017	13/12/2017	05/06/2017	29/11/2017	06/12/2017	12/12/2017	08/06/2017	13/06/2017	07/12/2017	13/12/2017	18/12/2017	07/06/2017	13/06/2017	31/05/2017	29/11/2017	06/12/2017
				Scheme Zone	4H	4H	4H	4E	4E	4E	4E	4E	4E	4E	4E	4E	3D	3D	3D	3D	3D
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	A423 E culvert	A423 E culvert	A423 E culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey
				Comment on location	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill														
Benzene #	ug/l	10	UK EQS AA	-	-	-	NA	-	-	-	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	-	-
Bromobenzene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<2	<2	<1	-	-	<2	<2	<2	-	-
Bromochloromethane #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<2	<2	<1	-	-	<2	<2	<2	-	-
Bromodichloromethane #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<2	<2	<1	-	-	<2	<2	<2	-	-
Bromoform #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<2	<2	<1	-	-	<2	<2	<2	-	-
Bromomethane	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
Carbon disulphide	µg/l	0	Screened for detection	-	-	-		-	-	-			<1	-	-				-	-
Carbon tetrachloride #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<2	<2	<1	-	-	<2	<2	<2	-	-
Chlorobenzene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<2	<2	<1	-	-	<2	<2	<2	-	-
Chloroethane #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-
Chloroform #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<2	<2	<1	-	-	<2	<2	<2	-	-
Chloromethane #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-
cis-1-2-Dichloroethene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-
cis-1-3-Dichloropropene	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<2	<2	<1	-	-	<2	<2	<2	-	-
Dibromochloromethane #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<2	<2	<1	-	-	<2	<2	<2	-	-
Dibromomethane #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-
Dichlorodifluoromethane	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<2	<2	<1	-	-	<2	<2	<2	-	-
Dichloromethane (DCM) #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<5	<5	<3	-	-	<5	<5	<5	-	-
Ethylbenzene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
Hexachlorobutadiene	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-
Isopropylbenzene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-
Methyl Tertiary Butyl Ether #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<0.1	<0.1	<1	-	-	<0.1	<0.1	<0.1	-	-
Naphthalene	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<2	<2	<1	-	-	<2	<2	<2	-	-
n-Butylbenzene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-
o-Xylene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
p/m-Xylene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<2	<2	<1	-	-	<2	<2	<2	-	-
Propylbenzene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-
sec-Butylbenzene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-
Styrene	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<2	<2	<1	-	-	<2	<2	<2	-	-
tert-Amyl methyl ether (TAME)	µg/l	0	Screened for detection	-	-	-		-	-	-			<1	-	-				-	-
tert-Butylbenzene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-
Tetrachloroethene (PCE) #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-
Toluene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<5	<5	<1	-	-	<5	<5	<5	-	-
trans-1-2-Dichloroethene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-
trans-1-3-Dichloropropene	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<2	<2	<1	-	-	<2	<2	<2	-	-
Trichloroethene (TCE) #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-
Trichlorofluoromethane #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<3	<3	<1	-	-	<3	<3	<3	-	-
Vinyl Chloride #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<0.1	<0.1	<1	-	-	<0.1	<0.1	<0.1	-	-
SVOC MS																				
Phenols																				
2-Chlorophenol #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
2-Methylphenol #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	-	-
2-Nitrophenol	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	-	-
2,4-Dichlorophenol #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	-	-
2,4-Dimethylphenol	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
2,4,5-Trichlorophenol #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	-	-
2,4,6-Trichlorophenol	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-

				Hole Name	BH348B	BH348B	BH348B	BH339	BH339	BH339	BH339	BH369B	BH369B	BH369B	BH369	BH369B	BH366FH	BH366FH	BH366-FH	BH366-FH	BH366-FH
				Sampled Date	29/11/2017	06/12/2017	13/12/2017	05/06/2017	29/11/2017	06/12/2017	12/12/2017	08/06/2017	13/06/2017	07/12/2017	13/12/2017	18/12/2017	07/06/2017	13/06/2017	31/05/2017	29/11/2017	06/12/2017
				Scheme Zone	4H	4H	4H	4E	4E	4E	4E	4E	4E	4E	4E	4E	3D	3D	3D	3D	3D
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	A423 E culvert	A423 E culvert	A423 E culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey
				Comment on location	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill														
4-Chloro-3-methylphenol #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	-	-
4-Methylphenol	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
4-Nitrophenol	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<10	<10	<1	-	-	<10	<10	<10	-	-
Pentachlorophenol	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
Phenol	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
PAHs																				
Phthalates																				
Bis(2-ethylhexyl) phthalate	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<5	<5	<2	-	-	<5	<5	<5	-	-
Butylbenzyl phthalate	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
Di-n-butyl phthalate #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1.5	<1.5	<1	-	-	<1.5	<1.5	<1.5	-	-
Di-n-Octyl phthalate	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<5	-	-	<1	<1	<1	-	-
Diethyl phthalate #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
Dimethyl phthalate	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
Other SVOCs																				
1,2-Dichlorobenzene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
1,2,4-Trichlorobenzene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
1,3-Dichlorobenzene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
1,4-Dichlorobenzene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
2-Nitroaniline	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
2,4-Dinitrotoluene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	-	-
2,6-Dinitrotoluene	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
3-Nitroaniline	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
4-Bromophenylphenylether #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
4-Chloroaniline	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
4-Chlorophenylphenylether #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
4-Nitroaniline	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	-	-
Azobenzene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	-	-
Bis(2-chloroethoxy)methane #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	-	-
Bis(2-chloroethyl)ether #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
Carbazole #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	-	-
Dibenzofuran #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	-	-
Hexachlorobenzene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
Hexachlorobutadiene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
Hexachlorocyclopentadiene	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
Hexachloroethane #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
Isophorone #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	-	-
N-nitrosodi-n-propylamine #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	-	-
Nitrobenzene #	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<1	<1	<1	-	-	<1	<1	<1	-	-
PCBs:																				
PCB 28	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<0.1	<0.1	<0.015	-	-	<0.1	<0.1	<0.1	-	-
PCB 52	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<0.1	<0.1	<0.015	-	-	<0.1	<0.1	<0.1	-	-
PCB 101	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<0.1	<0.1	<0.015	-	-	<0.1	<0.1	<0.1	-	-
PCB 105	µg/l	0	Screened for detection	-	-	-		-	-	-			<0.015	-	-				-	-
PCB 114	µg/l	0	Screened for detection	-	-	-		-	-	-			<0.015	-	-				-	-
PCB 118	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<0.1	<0.1	<0.015	-	-	<0.1	<0.1	<0.1	-	-
PCB 123	µg/l	0	Screened for detection	-	-	-		-	-	-			<0.015	-	-				-	-

				Hole Name	BH348B	BH348B	BH348B	BH339	BH339	BH339	BH339	BH369B	BH369B	BH369B	BH369	BH369B	BH366FH	BH366FH	BH366-FH	BH366-FH	BH366-FH
				Sampled Date	29/11/2017	06/12/2017	13/12/2017	05/06/2017	29/11/2017	06/12/2017	12/12/2017	08/06/2017	13/06/2017	07/12/2017	13/12/2017	18/12/2017	07/06/2017	13/06/2017	31/05/2017	29/11/2017	06/12/2017
				Scheme Zone	4H	4H	4H	4E	4E	4E	4E	4E	4E	4E	4E	4E	3D	3D	3D	3D	3D
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	A423 E culvert	A423 E culvert	A423 E culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey
				Comment on location	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill														
PCB 126	µg/l	0	Screened for detection	-	-	-		-	-	-			<0.015	-	-				-	-
PCB 138	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<0.1	<0.1	<0.015	-	-	<0.1	<0.1	<0.1	-	-
PCB 153	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<0.1	<0.1	<0.015	-	-	<0.1	<0.1	<0.1	-	-
PCB 156	µg/l	0	Screened for detection	-	-	-		-	-	-			<0.015	-	-				-	-
PCB 157	µg/l	0	Screened for detection	-	-	-		-	-	-			<0.015	-	-				-	-
PCB 167	µg/l	0	Screened for detection	-	-	-		-	-	-			<0.015	-	-				-	-
PCB 169	µg/l	0	Screened for detection	-	-	-		-	-	-			<0.015	-	-				-	-
PCB 180	ug/l	0	Screened for detection	-	-	-	NA	-	-	-	<0.1	<0.1	<0.015	-	-	<0.1	<0.1	<0.1	-	-
PCB 189	µg/l	0	Screened for detection	-	-	-		-	-	-			<0.015	-	-				-	-
PCB congener 77	µg/l	0	Screened for detection	-	-	-		-	-	-			<0.015	-	-				-	-
PCB congener 81	µg/l	0	Screened for detection	-	-	-		-	-	-			<0.015	-	-				-	-
Total 7 PCBs	ug/l	0	Screened for detection				NA				<0.7	<0.7				<0.7	<0.7	<0.7		
Sum of detected EC7 PCB's	µg/l	0	Screened for detection	-	-	-		-	-	-			<0.105	-	-				-	-
Pesticides																				
Organochlorine Pesticides																				
Aldrin	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.02	-	-	NA			-	-
Alpha-HCH (BHC)	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.02	-	-	NA			-	-
Beta-HCH (BHC)	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.01	-	-	NA			-	-
Chlorothalonil	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.01	-	-	NA			-	-
cis-Chlordane	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.02	-	-	NA			-	-
Delta-HCH (BHC)	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.03	-	-	NA			-	-
Dieldrin	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.01	-	-	NA			-	-
Disulfoton	µg/l	0	Screened for detection	-	-	-		-	-	-			<0.01	-	-				-	-
Endosulphan I	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.02	-	-	NA			-	-
Endosulphan II	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.02	-	-	NA			-	-
Endosulphan sulphate	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.08	-	-	NA			-	-
Endrin	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.02	-	-	NA			-	-
Gamma-HCH (BHC)	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.02	-	-	NA			-	-
Heptachlor	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.02	-	-	NA			-	-
Heptachlor Epoxide	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.02	-	-	NA			-	-
Hexachlorobenzene	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.01	-	-	NA			-	-
Isodrin	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.01	-	-	NA			-	-
o,p'-DDE	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.02	-	-	NA			-	-
o,p'-DDT	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.01	-	-	NA			-	-
o,p'-Methoxychlor	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.01	-	-	NA			-	-
o,p'-TDE	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.02	-	-	NA			-	-
p,p'-DDE	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.02	-	-	NA			-	-
p,p'-DDT	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.01	-	-	NA			-	-
p,p'-Methoxychlor	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.02	-	-	NA			-	-
p,p'-TDE	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.02	-	-	NA			-	-
Pendimethalin	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.01	-	-	NA			-	-
Permethrin I	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.02	-	-	NA			-	-
Permethrin II	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.02	-	-	NA			-	-
Quintozene (PCNB)	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.01	-	-	NA			-	-
Tecnazene	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.01	-	-	NA			-	-
Telodrin	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.01	-	-	NA			-	-
trans-Chlordane	ug/l	0	Screened for detection	-	-	-		-	-	-	NA		<0.01	-	-	NA			-	-

				Hole Name	BH348B	BH348B	BH348B	BH339	BH339	BH339	BH339	BH369B	BH369B	BH369B	BH369	BH369B	BH366FH	BH366FH	BH366-FH	BH366-FH	BH366-FH
				Sampled Date	29/11/2017	06/12/2017	13/12/2017	05/06/2017	29/11/2017	06/12/2017	12/12/2017	08/06/2017	13/06/2017	07/12/2017	13/12/2017	18/12/2017	07/06/2017	13/06/2017	31/05/2017	29/11/2017	06/12/2017
				Scheme Zone	4H	4H	4H	4E	4E	4E	4E	4E	4E	4E	4E	4E	3D	3D	3D	3D	3D
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	A423 E culvert	A423 E culvert	A423 E culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey
				Comment on location	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill														
Triadimefon	ug/l	0	Screened for detection		-	-	-		-	-	-	NA		<0.01	-	-	NA			-	-
Triallate	ug/l	0	Screened for detection		-	-	-		-	-	-	NA		<0.01	-	-	NA			-	-
Trifluralin	ug/l	0	Screened for detection		-	-	-		-	-	-	NA		<0.02	-	-	NA			-	-
Organophosphorus Pesticides		0	Screened for detection																		
Azinphos ethyl	ug/l	0	Screened for detection									NA					NA				
Azinphos methyl	ug/l	0	Screened for detection									NA					NA				
Carbophenothion	ug/l	0	Screened for detection									NA					NA				
Chlorfenvinphos	ug/l	0	Screened for detection									NA					NA				
Chlorpyrifos	ug/l	0	Screened for detection									NA					NA				
Chlorpyrifos-methyl	ug/l	0	Screened for detection									NA					NA				
Diazinon	ug/l	0	Screened for detection									NA					NA				
Dichlorvos	ug/l	0	Screened for detection									NA					NA				
Disulfoton	ug/l	0	Screened for detection									NA					NA				
Dimethoate	ug/l	0	Screened for detection									NA					NA				
Ethion	ug/l	0	Screened for detection									NA					NA				
Ethyl Parathion (Parathion)	ug/l	0	Screened for detection									NA					NA				
Etrimphos	ug/l	0	Screened for detection									NA					NA				
Fenitrothion	ug/l	0	Screened for detection									NA					NA				
Fenthion	ug/l	0	Screened for detection									NA					NA				
Malathion	ug/l	0	Screened for detection									NA					NA				
Methyl Parathion	ug/l	0	Screened for detection									NA					NA				
Mevinphos	ug/l	0	Screened for detection									NA					NA				
Phosalone	ug/l	0	Screened for detection									NA					NA				
Pirimiphos Methyl	ug/l	0	Screened for detection									NA					NA				
Propetamphos	ug/l	0	Screened for detection									NA					NA				
Triazophos	ug/l	0	Screened for detection									NA					NA				
Benazolin	ug/l	0	Screened for detection					NA				<0.1	<0.1				<0.1	<0.1	<0.1		
Bentazone	ug/l	0	Screened for detection					NA				<0.1	<0.1				<0.1	<0.1	<0.1		
Bromoxynil	ug/l	0	Screened for detection					NA				<0.1	<0.1				<0.1	<0.1	<0.1		
Clopyralid	ug/l	0	Screened for detection					NA				<0.1	<0.1				<0.1	<0.1	<0.1		
4 - CPA	ug/l	0	Screened for detection					NA				<0.1	<0.1				<0.1	<0.1	<0.1		
2,4 - D	ug/l	0	Screened for detection					NA				<0.1	<0.1				<0.1	<0.1	<0.1		
2,4 - DB	ug/l	0	Screened for detection					NA				<0.1	<0.1				<0.1	<0.1	<0.1		
Dicamba	ug/l	0	Screened for detection					NA				<0.1	<0.1				<0.1	<0.1	<0.1		
Dichloroprop	ug/l	0	Screened for detection					NA				<0.1	<0.1				<0.1	<0.1	<0.1		
Diclofop	ug/l	0	Screened for detection					NA				<0.1	<0.1				<0.1	<0.1	<0.1		
Fenoprop	ug/l	0	Screened for detection					NA				<0.1	<0.1				<0.1	<0.1	<0.1		
Flamprop	ug/l	0	Screened for detection					NA				<0.1	<0.1				<0.1	<0.1	<0.1		
Flamprop – isopropyl	ug/l	0	Screened for detection					NA				<0.1	<0.1				<0.1	<0.1	<0.1		
Ioxynil	ug/l	0	Screened for detection					NA				<0.1	<0.1				<0.1	<0.1	<0.1		
MCPA	ug/l	0	Screened for detection					NA				<0.1	<0.1				<0.1	<0.1	<0.1		
MCPB	ug/l	0	Screened for detection					NA				<0.1	<0.1				<0.1	<0.1	<0.1		
Mecoprop	ug/l	0	Screened for detection					NA				<0.1	<0.1				<0.1	<0.1	<0.1		
Picloram	ug/l	0	Screened for detection					NA				<0.1	<0.1				<0.1	<0.1	<0.1		
Pentachlorophenol	ug/l	0	Screened for detection					NA				<0.1	<0.1				<0.1	<0.1	<0.1		
2,4,5 - T	ug/l	0	Screened for detection					NA				<0.1	<0.1				<0.1	<0.1	<0.1		
2,3,6 - TBA	ug/l	0	Screened for detection					NA				<0.1	<0.1				<0.1	<0.1	<0.1		

			Hole Name	BH348B	BH348B	BH348B	BH339	BH339	BH339	BH339	BH369B	BH369B	BH369B	BH369	BH369B	BH366FH	BH366FH	BH366-FH	BH366-FH	BH366-FH
			Sampled Date	29/11/2017	06/12/2017	13/12/2017	05/06/2017	29/11/2017	06/12/2017	12/12/2017	08/06/2017	13/06/2017	07/12/2017	13/12/2017	18/12/2017	07/06/2017	13/06/2017	31/05/2017	29/11/2017	06/12/2017
			Scheme Zone	4H	4H	4H	4E	4E	4E	4E	4E	4E	4E	4E	4E	3D	3D	3D	3D	3D
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	A423 E culvert	A423 E culvert	A423 E culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	A423 W Culvert	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey
			Comment on location	In Redbridge landfill	In Redbridge landfill	In Redbridge landfill														
Triclopyr	ug/l	0	Screened for detection				NA				<0.1	<0.1				<0.1	<0.1	<0.1		
Atrazine	ug/l	0	Screened for detection				<0.01				NA					NA		NA		
Simazine	ug/l	0	Screened for detection				<0.01				NA					NA		NA		
Monuron	ug/l	0	Screened for detection				0.01				NA					NA		NA		
Diuron	ug/l	0	Screened for detection				<0.01				NA					NA		NA		
Linuron	ug/l	0	Screened for detection				<0.01				NA					NA		NA		
Chlortoluron	ug/l	0	Screened for detection				<0.01				NA					NA		NA		
Isoproturon	ug/l	0	Screened for detection				<0.01				NA					NA		NA		
Carbetamide	ug/l	0	Screened for detection				<0.1				NA					NA		NA		

				Hole Name	BH366-FH	BH367FH	BH367FH	BH367-FH	BH367-FH	BH367-FH	BH367-FH	BH368FH	BH368FH	BH368-FH	BH368-FH	BH368-FH	BH368-FH	BH314	BH315	BH317	BH357
				Sampled Date	13/12/2017	07/06/2017	13/06/2017	31/05/2017	29/11/2017	05/12/2017	12/12/2017	07/06/2017	13/06/2017	31/05/2017	29/11/2017	05/12/2017	12/12/2017	13/06/2017	06/06/2017	06/06/2017	06/06/2017
				Scheme Zone	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	4F	4F	4F	4F
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	New Hinksey Flood Wall	New Hinksey Flood Wall	New Hinksey Flood Wall	New Hinksey Flood Wall
				Comment on location																	
Test	**Units**	**Initial Screen - ing Value**	**Source of Screening Value**																		
pH[1]	pH units	6.5	EQS	7.84	NA	NA		7.56	7.37	8.28	NA	NA		7.5	7.36	7.6	7.42	7.15	7.29	7.22
Total Alkalinity, Bicarbonate as CaCO3	mg/l		Indicator only	290	NA	NA		345	615	145	NA	NA		420	615	240		1924	1472	1921
Dissolved Organic Carbon	mg/l		Indicator only	6.76	NA	NA		7.32	4.2	5.78	NA	NA		3.96	4.39	5.38		3	8	3
Chloride	mg/l	250	UK DWS	21.4	NA	NA		19.9	-	21.2	NA	NA		22.9	-	22.2		51.1	42	29.2
Nitrate as NO3	mg/l	50	UK DWS	<0.3	NA	NA		<0.3	<0.3	<0.3	NA	NA		<0.3	<0.3	14.9		<0.2	<0.2	<0.2
Sulphate	mg/l	250	UK DWS	88.3	NA	NA		19.5	30	19.8	NA	NA		47.6	43	32.3	56.3	53.9	49.2	40.8
Ortho Phosphate as PO4 [#]	mg/l	0.06	Notional standard	<0.05	NA	NA		<0.05	<0.05	0.079	NA	NA		<0.05	<0.05	<0.05		<0.06	<0.06	<0.06
Ammoniacal Nitrogen as N [#]	mg/l	0.6	EQS for rivers	0.207	NA			0.208	0.401	0.558	NA			<0.2	0.489	<0.2		0.26	0.16	0.05
Ortho Phosphate as PO4 [#]	mg/l	0.06	Previous EQS AA (Good for lowland, hard waters)		NA	NA					NA	NA						<0.06	<0.06	<0.06
Metals																				
Dissolved Arsenic [#]	ug/l	50	EQS AA	1.44	NA	NA	NA	3.88	1.49	4.39	NA	NA	NA	3.05	5.67	1.41	NA	<2.5	<2.5	<2.5
Dissolved Boron	ug/l	1000	UK DWS	167	NA	NA	NA	45.8	62	33.2	NA	NA	NA	36.6	90.1	25.6	NA	105	85	134
Dissolved Cadmium [#]	ug/l	0.25	EQS AA (Hard water)	<0.08	NA	NA	NA	<0.08	-	<0.08	NA	NA	NA	<0.08	-	<0.08	NA	<0.5	<0.5	<0.5
Total Dissolved Chromium [#]	ug/l	3.4	EQS AA for Cr VI	<1	NA	NA	NA	<1	-	<1	NA	NA	NA	<1	-	<1	NA	<1.5	<1.5	<1.5
Hexavalent Chromium	mg/l	3.4	EQS AA for Cr VI	<0.03	NA	NA		<0.03	-	<0.03	NA	NA		<0.03	-	<0.03		<0.006	<0.006	<0.006
Dissolved Copper [#]	ug/l	1	Min. EQS AA (Bioavailable)	<0.3	NA	NA	NA	<0.3	-	<0.3	NA	NA	NA	1.31	-	1.47	NA	<7	<7	<7
Dissolved Lead [#]	ug/l	1.2	Min. EQS AA (Bioavailable)	<0.2	NA	NA	NA	<0.2	<0.2	<0.2	NA	NA	NA	0.326	<0.2	<0.2	NA	<5	<5	<5
Dissolved Nickel [#]	ug/l	4	Min. EQS AA (Bioavailable)	<0.4	NA	NA	NA	5.94	5.9	1.29	NA	NA	NA	3.63	3.1	3.85	NA	3	<2	<2
Dissolved Zinc [#]	ug/l	10.9	Min. EQS AA (Bioavailable)	1.9	NA	NA	NA	1.51	<1	<1	NA	NA	NA	2.21	2.79	5.35	NA	<3	3	<3
Mercury Dissolved by CVAF	ug/l	0.07	EQS MAC	<0.01	NA	NA	NA	<0.01	<0.01	<0.01	NA	NA	NA	<0.01	<0.01	<0.01	NA	NA	NA	NA
Dissolved Mercury [#]	ug/l	0.07	EQS MAC	<0.01	NA	NA		<0.01	<0.01	<0.01	NA	NA		<0.01	<0.01	<0.01		<1	<1	<1
Dissolved Calcium [#]	mg/l		Indicator only	92.2	NA	NA		89.6	121	27.5	NA	NA		118	122	89.2		114.3	107.4	127.7
Dissolved Magnesium [#]	mg/l		Indicator only	3.66	NA	NA		1.72	2.36	0.783	NA	NA		2.07	2.85	1.55		6.2	5.3	4.8
Dissolved Sodium [#]	mg/l		Indicator only	24.1	NA	NA		27.6	16.8	32.8	NA	NA		22.2	19.5	17		34.3	29.5	22.8
Phenols																				
Total Phenols HPLC	mg/l	0.0077	EQS AA		NA	NA					NA	NA						<0.1	<0.1	<0.1
Phenol	mg/l	0.0077	EQS AA	<0.002	NA	NA	NA	0.01	<0.002	0.01	NA	NA	NA	<0.002	<0.002	<0.002	NA	NA	NA	NA
PAH MS																				
Acenaphthylene [#]	ug/l	0	Screened for detection	0.01	NA	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.013	<0.013	<0.013
Anthracene [#]	ug/l	0.1	EQS AA	0.01	NA	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.013	<0.013	<0.013
Benzo(a)anthracene [#]	ug/l	0	Screened for detection	0.03	NA	NA	NA	0.02	0.01	<0.005	NA	NA	NA	<0.005	0.02	0.01	NA	<0.015	<0.015	<0.015
Benzo(a)pyrene [#]	ug/l	0.00017	EQS AA	0.01	NA	NA	NA	<0.002	0.00	<0.002	NA	NA	NA	0.01	0.01	0.00	NA	<0.016	<0.016	<0.016
Benzo(b)fluoranthene	ug/l	0.017	EQS MAC	0.03	NA	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	0.01	0.03	<0.005	NA	<0.01	<0.01	<0.01
Benzo(ghi)perylene [#]	ug/l	0.0082	EQS MAC	0.02	NA	NA	NA	<0.005	0.01	<0.005	NA	NA	NA	0.01	0.03	<0.005	NA	<0.011	<0.011	<0.011
Benzo(k)fluoranthene	ug/l	0.017	EQS MAC	0.02	NA	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	<0.005	0.01	<0.005	NA	<0.01	<0.01	<0.01
Chrysene [#]	ug/l	0	Screened for detection	0.03	NA	NA	NA	0.02	0.01	<0.005	NA	NA	NA	0.01	0.01	0.01	NA	<0.011	<0.011	<0.011
Dibenzo(ah)anthracene [#]	ug/l	0	Screened for detection	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.01	<0.01	<0.01
Fluoranthene [#]	ug/l	0.0063	EQS AA	0.06	NA	NA	NA	0.02	0.01	0.01	NA	NA	NA	0.01	0.02	0.02	NA	<0.012	<0.012	<0.012
Fluorene [#]	ug/l	0	Screened for detection	0.01	NA	NA	NA	<0.005	<0.005	0.01	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.014	<0.014	<0.014
Indeno(123cd)pyrene [#]	ug/l	0	Screened for detection	0.01	NA	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	<0.005	0.01	<0.005	NA	<0.011	<0.011	<0.011
Naphthalene [#]	ug/l	2	EQS AA	0.04	NA	NA	NA	0.02	0.02	0.11	NA	NA	NA	0.02	0.01	<0.01	NA	<0.1	<0.1	<0.1

			Hole Name	BH366-FH	BH367FH	BH367FH	BH367-FH	BH367-FH	BH367-FH	BH367-FH	BH368FH	BH368FH	BH368-FH	BH368-FH	BH368-FH	BH368-FH	BH314	BH315	BH317	BH357
			Sampled Date	13/12/2017	07/06/2017	13/06/2017	31/05/2017	29/11/2017	05/12/2017	12/12/2017	07/06/2017	13/06/2017	31/05/2017	29/11/2017	05/12/2017	12/12/2017	13/06/2017	06/06/2017	06/06/2017	06/06/2017
			Scheme Zone	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	4F	4F	4F	4F
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	New Hinksey Flood Wall	New Hinksey Flood Wall	New Hinksey Flood Wall	New Hinksey Flood Wall
			Comment on location																	
Phenanthrene #	ug/l	0	Screened for detection	0.03	NA	NA	NA	0.01	0.01	0.01	NA	NA	NA	<0.005	0.01	<0.005	NA	<0.011	<0.011	<0.011
Pyrene #	ug/l	0	Screened for detection	0.06	NA	NA	NA	0.03	0.01	0.01	NA	NA	NA	0.01	0.02	0.01	NA	<0.013	<0.013	<0.013
PAH 16 Total #	ug/l		n/a -sum of above	0.35	NA	NA	NA	0.11	<0.082	0.14	NA	NA	NA	<0.082	0.17	<0.082	NA	<0.195	<0.195	<0.195
PAH, Total Detected USEPA 16 (	µg/l			0.35				0.11	<0.082	0.14				<0.082	0.17	<0.082				
Benzo(bk)fluoranthene #	ug/l	0	Screened for detection		NA	NA	NA				NA	NA	NA				NA	<0.018	<0.018	<0.018
Acenaphthene #	ug/l	0	Screened for detection	0.01	NA	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	<0.013	<0.013	<0.013
2-Chloronaphthalene #	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
2-Methylnaphthalene #	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
Naphthalene #	ug/l	2	UK EQS AA	0.04	<1	<1	<1	0.02	0.02	0.11	<1	<1	<1	0.02	0.01	<0.01	NA			
Acenaphthylene #	ug/l	0	Screened for detection	0.01	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	NA			
Acenaphthene #	ug/l	0	Screened for detection	0.01	<1	<1	<1	<0.005	<0.005	<0.005	<1	<1	<1	<0.005	<0.005	<0.005	NA			
Fluorene #	ug/l	0	Screened for detection	0.01	<0.5	<0.5	<0.5	<0.005	<0.005	0.01	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	NA			
Phenanthrene #	ug/l	0	Screened for detection	0.03	<0.5	<0.5	<0.5	0.01	0.01	0.01	<0.5	<0.5	<0.5	<0.005	0.01	<0.005	NA			
Anthracene #	ug/l	0.1	EQS AA	0.01	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	NA			
Fluoranthene #	ug/l	0.0063	EQS AA	0.06	<0.5	<0.5	<0.5	0.02	0.01	0.01	<0.5	<0.5	<0.5	0.01	0.02	0.02	NA			
Pyrene #	ug/l	0	Screened for detection	0.06	<0.5	<0.5	<0.5	0.03	0.01	0.01	<0.5	<0.5	<0.5	0.01	0.02	0.01	NA			
Benzo(a)anthracene #	ug/l	0	Screened for detection	0.03	<0.5	<0.5	<0.5	0.02	0.01	<0.005	<0.5	<0.5	<0.5	<0.005	0.02	0.01	NA			
Chrysene #	ug/l	0	Screened for detection	0.03	<0.5	<0.5	<0.5	0.02	0.01	<0.005	<0.5	<0.5	<0.5	0.01	0.01	0.01	NA			
Benzo(bk)fluoranthene #	ug/l	0	Screened for detection		<1	<1	<1				<1	<1	<1				NA			
Benzo(a)pyrene	ug/l	0.00017	EQS AA	0.01	<1	<1	<1	<0.002	0.00	<0.002	<1	<1	<1	0.01	0.01	0.00	NA			
Indeno(123cd)pyrene	ug/l	0	Screened for detection	0.01	<1	<1	<1	<0.005	<0.005	<0.005	<1	<1	<1	<0.005	0.01	<0.005	NA			
Dibenzo(ah)anthracene #	ug/l	0	Screened for detection	<0.005	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	NA			
Benzo(ghi)perylene #	ug/l	0.0082	EQS MAC	0.02	<0.5	<0.5	<0.5	<0.005	0.01	<0.005	<0.5	<0.5	<0.5	0.01	0.03	<0.005	NA			
Benzo(b)fluoranthene (aq)	µg/l	0.017	EQS MAC	-				-	-	-				-	-	-				
Benzo(k)fluoranthene (aq)	µg/l	0.017	EQS MAC	-				-	-	-				-	-	-				
TPH CWG																				
Aliphatics																				
>C5-C6 #	ug/l	10	EQS AA for Benzene	-	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	NA	<10	<10	<10
>C6-C8 #	ug/l	10	EQS AA for Benzene	-	<10	<10	56	-	-	-	<10	<10	<10	-	-	-	NA	<10	<10	<10
>C8-C10 #	ug/l	10	EQS AA for Benzene	-	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	NA	<10	<10	<10
>C10-C12 #	ug/l	10	EQS AA for Benzene	-	<5	<5	<5	-	-	-	<5	<5	<5	-	-	-	NA	<5	<5	<5
>C12-C16 #	ug/l	10	EQS AA for Benzene	-	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	NA	<10	<10	<10
>C16-C21 #	ug/l	10	EQS AA for Benzene	-	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	NA	<10	<10	<10
>C21-C35 #	ug/l	10	EQS AA for Benzene	-	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	NA	<10	<10	<10
Total aliphatics C5-35 #	ug/l	10	EQS AA for Benzene		<10	<10	56				<10	<10	<10				NA	<10	<10	<10
Total Aliphatics >C12-C35 (aq)	ug/l	10	EQS AA for Benzene	-				-	-	-				-	-	-				
Aromatics																				
>C5-EC7 #	ug/l	10	EQS AA for Benzene	-	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	NA	<10	<10	<10
>EC7-EC8 #	ug/l	10	EQS AA for Benzene	-	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	NA	<10	<10	<10
>EC8-EC10 #	ug/l	10	EQS AA for Benzene	-	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	NA	<10	<10	<10
>EC10-EC12 #	ug/l	10	EQS AA for Benzene	-	<5	<5	<5	-	-	-	<5	<5	<5	-	-	-	NA	<5	<5	<5
>EC12-EC16 #	ug/l	10	EQS AA for Benzene	-	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	NA	<10	<10	<10
>EC16-EC21 #	ug/l	10	EQS AA for Benzene	-	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	NA	<10	<10	<10
>EC21-EC35 #	ug/l	10	EQS AA for Benzene	-	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	NA	<10	<10	<10

				Hole Name	BH366-FH	BH367FH	BH367FH	BH367-FH	BH367-FH	BH367-FH	BH367-FH	BH368FH	BH368FH	BH368-FH	BH368-FH	BH368-FH	BH368-FH	BH314	BH315	BH317	BH357
				Sampled Date	13/12/2017	07/06/2017	13/06/2017	31/05/2017	29/11/2017	05/12/2017	12/12/2017	07/06/2017	13/06/2017	31/05/2017	29/11/2017	05/12/2017	12/12/2017	13/06/2017	06/06/2017	06/06/2017	06/06/2017
				Scheme Zone	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	4F	4F	4F	4F
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	New Hinksey Flood Wall	New Hinksey Flood Wall	New Hinksey Flood Wall	New Hinksey Flood Wall
				Comment on location																	
Total Aromatics >EC12-EC35 (ac	µg/l	10	EQS AA for Benzene	-				-	-	-				-	-	-				
Total aromatics C5-35 #	ug/l	10	EQS AA for Benzene		<10	<10	<10				<10	<10	<10				NA	<10	<10	<10
Total aliphatics and aromatics(C5-35) #	ug/l	10	EQS AA for Benzene	-	<10	<10	56	-	-	-	<10	<10	<10	-	-	-	NA	<10	<10	<10
Aliphatics >C16-C35 Aqueous	µg/l	10	EQS AA for Benzene	-				-	-	-				-	-	-				
GRO >C5-C12	µg/l	10	EQS AA for Benzene	-				-	-	-				-	-	-				
BTEX/MTBE MS																				
Methyl Tertiary Butyl Ether #	ug/l	10	EQS AA for Benzene	-	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	-	-	-	NA	NA	NA	NA
Benzene #	ug/l	10	EQS AA for Benzene	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	NA	NA	NA	NA
Toluene #	ug/l	10	EQS AA for Benzene	-	<5	<5	<5	-	-	-	<5	<5	<5	-	-	-	NA	NA	NA	NA
Ethylbenzene #	ug/l	10	EQS AA for Benzene	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA	NA	NA	NA
p/m-Xylene #	ug/l	10	EQS AA for Benzene	-	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	NA	NA	NA	NA
o-Xylene #	ug/l	10	EQS AA for Benzene	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA	NA	NA	NA
Sum of detected Xylenes	ug/l	10	EQS AA for Benzene	-				-	-	-				-	-	-				
Sum of detected BTEX	ug/l	10	EQS AA for Benzene	-				-	-	-				-	-	-				
MTBE #	ug/l	10	EQS AA for Benzene		NA	NA					NA	NA						<5	<5	<5
Benzene #	ug/l	10	EQS AA for Benzene		NA	NA					NA	NA						<5	<5	<5
Toluene #	ug/l	10	EQS AA for Benzene		NA	NA					NA	NA						<5	<5	<5
Ethylbenzene #	ug/l	10	EQS AA for Benzene		NA	NA					NA	NA						<5	<5	<5
m/p-Xylene #	ug/l	10	EQS AA for Benzene		NA	NA					NA	NA						<5	<5	<5
o-Xylene #	ug/l	10	EQS AA for Benzene		NA	NA					NA	NA						<5	<5	<5
VOC MS																				
1,1,1,2-Tetrachloroethane #	ug/l	0	Screened for detection	-	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	NA			
1,1,1-Trichloroethane #	ug/l	0	Screened for detection	-	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	NA			
1,1,2,2-Tetrachloroethane	ug/l	0	Screened for detection	-	<4	<4	<4	-	-	-	<4	<4	<4	-	-	-	NA			
1,1,2-Trichloroethane #	ug/l	0	Screened for detection	-	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	NA			
1,1-Dichloroethane #	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			
1,1-Dichloroethene (1,1 DCE) #	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			
1,1-Dichloropropene #	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			
1,2,3-Trichlorobenzene	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			
1,2,3-Trichloropropane #	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			
1,2,4-Trichlorobenzene	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			
1,2,4-Trimethylbenzene #	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			
1,2-Dibromo-3-chloropropane	ug/l	0	Screened for detection	-	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	NA			
1,2-Dibromoethane #	ug/l	0	Screened for detection	-	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	NA			
1,2-Dichlorobenzene #	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			
1,2-Dichloroethane #	ug/l	0	Screened for detection	-	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	NA			
1,2-Dichloropropane #	ug/l	0	Screened for detection	-	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	NA			
1,3,5-Trichlorobenzene	µg/l	0	Screened for detection	-				-	-	-				-	-	-				
1,3,5-Trimethylbenzene #	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			
1,3-Dichlorobenzene #	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			
1,3-Dichloropropane #	ug/l	0	Screened for detection	-	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	NA			
1,4-Dichlorobenzene #	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			
2,2-Dichloropropane	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
2-Chlorotoluene #	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			
4-Chlorotoluene #	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			
4-Isopropyltoluene #	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			

				Hole Name	BH366-FH	BH367FH	BH367FH	BH367-FH	BH367-FH	BH367-FH	BH367-FH	BH368FH	BH368FH	BH368-FH	BH368-FH	BH368-FH	BH368-FH	BH314	BH315	BH317	BH357
				Sampled Date	13/12/2017	07/06/2017	13/06/2017	31/05/2017	29/11/2017	05/12/2017	12/12/2017	07/06/2017	13/06/2017	31/05/2017	29/11/2017	05/12/2017	12/12/2017	13/06/2017	06/06/2017	06/06/2017	06/06/2017
				Scheme Zone	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	4F	4F	4F	4F
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	New Hinksey Flood Wall	New Hinksey Flood Wall	New Hinksey Flood Wall	New Hinksey Flood Wall
				Comment on location																	
Benzene #	ug/l	10	UK EQS AA	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	NA			
Bromobenzene #	ug/l	0	Screened for detection	-	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	NA			
Bromochloromethane #	ug/l	0	Screened for detection	-	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	NA			
Bromodichloromethane #	ug/l	0	Screened for detection	-	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	NA			
Bromoform #	ug/l	0	Screened for detection	-	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	NA			
Bromomethane	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
Carbon disulphide	µg/l	0	Screened for detection	-				-	-	-				-	-	-				
Carbon tetrachloride #	ug/l	0	Screened for detection	-	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	NA			
Chlorobenzene #	ug/l	0	Screened for detection	-	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	NA			
Chloroethane #	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			
Chloroform #	ug/l	0	Screened for detection	-	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	NA			
Chloromethane #	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			
cis-1-2-Dichloroethene #	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			
cis-1-3-Dichloropropene	ug/l	0	Screened for detection	-	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	NA			
Dibromochloromethane #	ug/l	0	Screened for detection	-	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	NA			
Dibromomethane #	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			
Dichlorodifluoromethane	ug/l	0	Screened for detection	-	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	NA			
Dichloromethane (DCM) #	ug/l	0	Screened for detection	-	<5	<5	<5	-	-	-	<5	<5	<5	-	-	-	NA			
Ethylbenzene #	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
Hexachlorobutadiene	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			
Isopropylbenzene #	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			
Methyl Tertiary Butyl Ether #	ug/l	0	Screened for detection	-	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	-	-	-	NA			
Naphthalene	ug/l	0	Screened for detection	-	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	NA			
n-Butylbenzene #	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			
o-Xylene #	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
p/m-Xylene #	ug/l	0	Screened for detection	-	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	NA			
Propylbenzene #	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			
sec-Butylbenzene #	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			
Styrene	ug/l	0	Screened for detection	-	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	NA			
tert-Amyl methyl ether (TAME)	µg/l	0	Screened for detection	-				-	-	-				-	-	-				
tert-Butylbenzene #	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			
Tetrachloroethene (PCE) #	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			
Toluene #	ug/l	0	Screened for detection	-	<5	<5	<5	-	-	-	<5	<5	<5	-	-	-	NA			
trans-1-2-Dichloroethene #	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			
trans-1-3-Dichloropropene	ug/l	0	Screened for detection	-	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	NA			
Trichloroethene (TCE) #	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			
Trichlorofluoromethane #	ug/l	0	Screened for detection	-	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	NA			
Vinyl Chloride #	ug/l	0	Screened for detection	-	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	-	-	-	NA			
SVOC MS																				
Phenols																				
2-Chlorophenol #	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
2-Methylphenol #	ug/l	0	Screened for detection	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	NA			
2-Nitrophenol	ug/l	0	Screened for detection	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	NA			
2,4-Dichlorophenol #	ug/l	0	Screened for detection	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	NA			
2,4-Dimethylphenol	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
2,4,5-Trichlorophenol #	ug/l	0	Screened for detection	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	NA			
2,4,6-Trichlorophenol	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			

			Hole Name	BH366-FH	BH367FH	BH367FH	BH367-FH	BH367-FH	BH367-FH	BH367-FH	BH368FH	BH368FH	BH368-FH	BH368-FH	BH368-FH	BH368-FH	BH314	BH315	BH317	BH357
			Sampled Date	13/12/2017	07/06/2017	13/06/2017	31/05/2017	29/11/2017	05/12/2017	12/12/2017	07/06/2017	13/06/2017	31/05/2017	29/11/2017	05/12/2017	12/12/2017	13/06/2017	06/06/2017	06/06/2017	06/06/2017
			Scheme Zone	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	4F	4F	4F	4F
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	New Hinksey Flood Wall	New Hinksey Flood Wall	New Hinksey Flood Wall	New Hinksey Flood Wall
			Comment on location																	
4-Chloro-3-methylphenol #	ug/l	0	Screened for detection	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	NA			
4-Methylphenol	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
4-Nitrophenol	ug/l	0	Screened for detection	-	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	NA			
Pentachlorophenol	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
Phenol	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
PAHs																				
Phthalates																				
Bis(2-ethylhexyl) phthalate	ug/l	0	Screened for detection	-	<5	<5	<5	-	-	-	<5	<5	<5	-	-	-	NA			
Butylbenzyl phthalate	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
Di-n-butyl phthalate #	ug/l	0	Screened for detection	-	<1.5	<1.5	<1.5	-	-	-	<1.5	<1.5	<1.5	-	-	-	NA			
Di-n-Octyl phthalate	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
Diethyl phthalate #	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
Dimethyl phthalate	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
Other SVOCs																				
1,2-Dichlorobenzene #	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
1,2,4-Trichlorobenzene #	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
1,3-Dichlorobenzene #	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
1,4-Dichlorobenzene #	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
2-Nitroaniline	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
2,4-Dinitrotoluene #	ug/l	0	Screened for detection	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	NA			
2,6-Dinitrotoluene	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
3-Nitroaniline	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
4-Bromophenylphenylether #	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
4-Chloroaniline	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
4-Chlorophenylphenylether #	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
4-Nitroaniline	ug/l	0	Screened for detection	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	NA			
Azobenzene #	ug/l	0	Screened for detection	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	NA			
Bis(2-chloroethoxy)methane #	ug/l	0	Screened for detection	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	NA			
Bis(2-chloroethyl)ether #	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
Carbazole #	ug/l	0	Screened for detection	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	NA			
Dibenzofuran #	ug/l	0	Screened for detection	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	NA			
Hexachlorobenzene #	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
Hexachlorobutadiene #	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
Hexachlorocyclopentadiene	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
Hexachloroethane #	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
Isophorone #	ug/l	0	Screened for detection	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	NA			
N-nitrosodi-n-propylamine #	ug/l	0	Screened for detection	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	NA			
Nitrobenzene #	ug/l	0	Screened for detection	-	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	NA			
PCBs:																				
PCB 28	ug/l	0	Screened for detection	-	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	-	-	-	NA			
PCB 52	ug/l	0	Screened for detection	-	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	-	-	-	NA			
PCB 101	ug/l	0	Screened for detection	-	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	-	-	-	NA			
PCB 105	µg/l	0	Screened for detection	-				-	-	-				-	-	-				
PCB 114	µg/l	0	Screened for detection	-				-	-	-				-	-	-				
PCB 118	ug/l	0	Screened for detection	-	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	-	-	-	NA			
PCB 123	µg/l	0	Screened for detection	-				-	-	-				-	-	-				

				Hole Name	BH366-FH	BH367FH	BH367FH	BH367-FH	BH367-FH	BH367-FH	BH367-FH	BH368FH	BH368FH	BH368-FH	BH368-FH	BH368-FH	BH368-FH	BH314	BH315	BH317	BH357
				Sampled Date	13/12/2017	07/06/2017	13/06/2017	31/05/2017	29/11/2017	05/12/2017	12/12/2017	07/06/2017	13/06/2017	31/05/2017	29/11/2017	05/12/2017	12/12/2017	13/06/2017	06/06/2017	06/06/2017	06/06/2017
				Scheme Zone	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	4F	4F	4F	4F
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	New Hinksey Flood Wall	New Hinksey Flood Wall	New Hinksey Flood Wall	New Hinksey Flood Wall
				Comment on location																	
PCB 126	µg/l	0	Screened for detection	-				-	-	-		<0.1			-	-	-				
PCB 138	ug/l	0	Screened for detection	-	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	<0.1	-	-	-	NA			
PCB 153	ug/l	0	Screened for detection	-	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	<0.1	-	-	-	NA			
PCB 156	µg/l	0	Screened for detection	-				-	-	-					-	-	-				
PCB 157	µg/l	0	Screened for detection	-				-	-	-					-	-	-				
PCB 167	µg/l	0	Screened for detection	-				-	-	-					-	-	-				
PCB 169	µg/l	0	Screened for detection	-				-	-	-					-	-	-				
PCB 180	ug/l	0	Screened for detection	-	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	<0.1	-	-	-	NA			
PCB 189	µg/l	0	Screened for detection	-				-	-	-					-	-	-				
PCB congener 77	µg/l	0	Screened for detection	-				-	-	-					-	-	-				
PCB congener 81	µg/l	0	Screened for detection	-				-	-	-					-	-	-				
Total 7 PCBs	ug/l	0	Screened for detection		<0.7	<0.7	<0.7				<0.7	<0.7	<0.7					NA			
Sum of detected EC7 PCB's	µg/l	0	Screened for detection	-				-	-	-					-	-	-				
Pesticides																					
Organochlorine Pesticides																					
Aldrin	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
Alpha-HCH (BHC)	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
Beta-HCH (BHC)	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
Chlorothalonil	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
cis-Chlordane	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
Delta-HCH (BHC)	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
Dieldrin	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
Disulfoton	µg/l	0	Screened for detection	-				-	-	-					-	-	-				
Endosulphan I	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
Endosulphan II	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
Endosulphan sulphate	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
Endrin	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
Gamma-HCH (BHC)	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
Heptachlor	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
Heptachlor Epoxide	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
Hexachlorobenzene	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
Isodrin	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
o,p'-DDE	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
o,p'-DDT	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
o,p'-Methoxychlor	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
o,p'-TDE	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
p,p'-DDE	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
p,p'-DDT	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
p,p'-Methoxychlor	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
p,p'-TDE	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
Pendimethalin	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
Permethrin I	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
Permethrin II	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
Quintozene (PCNB)	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
Tecnazene	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
Telodrin	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				
trans-Chlordane	ug/l	0	Screened for detection	-	NA			-	-	-	NA				-	-	-				

			Hole Name	BH366-FH	BH367FH	BH367FH	BH367-FH	BH367-FH	BH367-FH	BH367-FH	BH368FH	BH368FH	BH368-FH	BH368-FH	BH368-FH	BH368-FH	BH314	BH315	BH317	BH357
			Sampled Date	13/12/2017	07/06/2017	13/06/2017	31/05/2017	29/11/2017	05/12/2017	12/12/2017	07/06/2017	13/06/2017	31/05/2017	29/11/2017	05/12/2017	12/12/2017	13/06/2017	06/06/2017	06/06/2017	06/06/2017
			Scheme Zone	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	4F	4F	4F	4F
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	New Hinksey Flood Wall	New Hinksey Flood Wall	New Hinksey Flood Wall	New Hinksey Flood Wall
			Comment on location																	
Triadimefon	ug/l	0	Screened for detection	-	NA			-	-	-	NA			-	-	-				
Triallate	ug/l	0	Screened for detection	-	NA			-	-	-	NA			-	-	-				
Trifluralin	ug/l	0	Screened for detection	-	NA			-	-	-	NA			-	-	-				
Organophosphorus Pesticides		0	Screened for detection																	
Azinphos ethyl	ug/l	0	Screened for detection		NA						NA									
Azinphos methyl	ug/l	0	Screened for detection		NA						NA									
Carbophenothion	ug/l	0	Screened for detection		NA						NA									
Chlorfenvinphos	ug/l	0	Screened for detection		NA						NA									
Chlorpyrifos	ug/l	0	Screened for detection		NA						NA									
Chlorpyrifos-methyl	ug/l	0	Screened for detection		NA						NA									
Diazinon	ug/l	0	Screened for detection		NA						NA									
Dichlorvos	ug/l	0	Screened for detection		NA						NA									
Disulfoton	ug/l	0	Screened for detection		NA						NA									
Dimethoate	ug/l	0	Screened for detection		NA						NA									
Ethion	ug/l	0	Screened for detection		NA						NA									
Ethyl Parathion (Parathion)	ug/l	0	Screened for detection		NA						NA									
Etrimphos	ug/l	0	Screened for detection		NA						NA									
Fenitrothion	ug/l	0	Screened for detection		NA						NA									
Fenthion	ug/l	0	Screened for detection		NA						NA									
Malathion	ug/l	0	Screened for detection		NA						NA									
Methyl Parathion	ug/l	0	Screened for detection		NA						NA									
Mevinphos	ug/l	0	Screened for detection		NA						NA									
Phosalone	ug/l	0	Screened for detection		NA						NA									
Pirimiphos Methyl	ug/l	0	Screened for detection		NA						NA									
Propetamphos	ug/l	0	Screened for detection		NA						NA									
Triazophos	ug/l	0	Screened for detection		NA						NA									
Benazolin	ug/l	0	Screened for detection		<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				NA			
Bentazone	ug/l	0	Screened for detection		<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				NA			
Bromoxynil	ug/l	0	Screened for detection		<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				NA			
Clopyralid	ug/l	0	Screened for detection		<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				NA			
4 - CPA	ug/l	0	Screened for detection		<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				NA			
2,4 - D	ug/l	0	Screened for detection		<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				NA			
2,4 - DB	ug/l	0	Screened for detection		<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				NA			
Dicamba	ug/l	0	Screened for detection		<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				NA			
Dichloroprop	ug/l	0	Screened for detection		<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				NA			
Diclofop	ug/l	0	Screened for detection		<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				NA			
Fenoprop	ug/l	0	Screened for detection		<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				NA			
Flamprop	ug/l	0	Screened for detection		<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				NA			
Flamprop – isopropyl	ug/l	0	Screened for detection		<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				NA			
Ioxynil	ug/l	0	Screened for detection		<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				NA			
MCPA	ug/l	0	Screened for detection		<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				NA			
MCPB	ug/l	0	Screened for detection		<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				NA			
Mecoprop	ug/l	0	Screened for detection		<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				NA			
Picloram	ug/l	0	Screened for detection		<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				NA			
Pentachlorophenol	ug/l	0	Screened for detection		<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				NA			
2,4,5 - T	ug/l	0	Screened for detection		<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				NA			
2,3,6 - TBA	ug/l	0	Screened for detection		<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				NA			

			Hole Name	BH366-FH	BH367FH	BH367FH	BH367-FH	BH367-FH	BH367-FH	BH367-FH	BH368FH	BH368FH	BH368-FH	BH368-FH	BH368-FH	BH368-FH	BH314	BH315	BH317	BH357
			Sampled Date	13/12/2017	07/06/2017	13/06/2017	31/05/2017	29/11/2017	05/12/2017	12/12/2017	07/06/2017	13/06/2017	31/05/2017	29/11/2017	05/12/2017	12/12/2017	13/06/2017	06/06/2017	06/06/2017	06/06/2017
			Scheme Zone	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	3D	4F	4F	4F	4F
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	Ferry Hinksey	New Hinksey Flood Wall	New Hinksey Flood Wall	New Hinksey Flood Wall	New Hinksey Flood Wall
			Comment on location																	
Triclopyr	ug/l	0	Screened for detection		<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				NA			
Atrazine	ug/l	0	Screened for detection		NA		NA				NA		NA							
Simazine	ug/l	0	Screened for detection		NA		NA				NA		NA							
Monuron	ug/l	0	Screened for detection		NA		NA				NA		NA							
Diuron	ug/l	0	Screened for detection		NA		NA				NA		NA							
Linuron	ug/l	0	Screened for detection		NA		NA				NA		NA							
Chlortoluron	ug/l	0	Screened for detection		NA		NA				NA		NA							
Isoproturon	ug/l	0	Screened for detection		NA		NA				NA		NA							
Carbetamide	ug/l	0	Screened for detection		NA		NA				NA		NA							

				Hole Name	BH358	BH320	BH320	BH321	BH340	BH326B	BH330B	BH330B	BH330B	BH330	BH330B	BH330B	BH330B	BH342B	BH342B	BH342B	BH342B
				Sampled Date	06/06/2017	05/06/2017	13/06/2017	05/06/2017	06/06/2017	30/05/2017	31/05/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	30/05/2017	05/06/2017	12/06/2017	17/11/2017
				Scheme Zone	4F	4A	4A	4A	4A	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	New Hinksey Flood Wall	South Hinksey Flood Wall	South Hinksey Flood Wall	South Hinksey Flood Wall	South Hinksey Flood Wall	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill
				Comment on location							In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area
Test	**Units**	**Initial Screen - ing Value**	**Source of Screening Value**																		
pH[1]	pH units	6.5	EQS	7.37	7.14	7.02	7.28	7.22			NA	NA	6.88	7.28	7.08	7.35		NA	NA	7.3
Total Alkalinity, Bicarbonate as CaCO3	mg/l		Indicator only	556	1340		930	364			NA		385	455	3650	355		NA		370
Dissolved Organic Carbon	mg/l		Indicator only	3	4		3	4			NA		5.88	3.98	3.96	3.43		NA		3.18
Chloride	mg/l	250	UK DWS	48.9	24.7		29.9	28.4			NA		37.8	35.9	-	42.3		NA		49.2
Nitrate as NO3	mg/l	50	UK DWS	<0.2	<0.2		0.9	<0.2			NA		<0.3	<0.3	<0.3	<0.3		NA		5.53
Sulphate	mg/l	250	UK DWS	55.9	84.8	90.5	103	62.5			NA	NA	56.4	62.5	67.6	62.5		NA	NA	118
Ortho Phosphate as PO4 #	mg/l	0.06	Notional standard	<0.06	<0.06		<0.06	<0.06			NA		<0.05	<0.05	<0.05	<0.05		NA		<0.05
Ammoniacal Nitrogen as N #	mg/l	0.6	EQS for rivers	0.13	0.05		0.06	0.09			NA		7	5.79	4.83	3.09		NA		0.32
Ortho Phosphate as PO4 #	mg/l	0.06	Previous EQS AA (Good for lowland, hard waters)	<0.06	<0.06		<0.06	<0.06			NA							NA		
Metals																				
Dissolved Arsenic #	ug/l	50	EQS AA	<2.5	<2.5	NA	<2.5	<2.5	NA	NA	NA	NA	0.807	4.4	2.23	1.05	NA	NA	NA	4.12
Dissolved Boron	ug/l	1000	UK DWS	111	68	NA	80	68	NA	NA	NA	NA	226	182	194	132	NA	NA	NA	140
Dissolved Cadmium #	ug/l	0.25	EQS AA (Hard water)	<0.5	<0.5	NA	<0.5	<0.5	NA	NA	NA	NA	<0.08	<0.48	-	<0.08	NA	NA	NA	<0.08
Total Dissolved Chromium #	ug/l	3.4	EQS AA for Cr VI	<1.5	<1.5	NA	<1.5	<1.5	NA	NA	NA	NA	<1	<6	-	5.67	NA	NA	NA	1.16
Hexavalent Chromium	mg/l	3.4	EQS AA for Cr VI	<0.006	<0.006		<0.006	<0.006			NA		<0.03	<0.03	-	<0.03		NA		<0.03
Dissolved Copper #	ug/l	1	Min. EQS AA (Bioavailable)	<7	<7	NA	<7	<7	NA	NA	NA	NA	0.68	<0.3	-	0.355	NA	NA	NA	1.87
Dissolved Lead #	ug/l	1.2	Min. EQS AA (Bioavailable)	<5	<5	NA	<5	<5	NA	NA	NA	NA	<0.2	<0.2	<0.2	<0.2	NA	NA	NA	1.77
Dissolved Nickel #	ug/l	4	Min. EQS AA (Bioavailable)	2	<2	NA	<2	<2	NA	NA	NA	NA	3.89	3.33	3.32	4.34	NA	NA	NA	3.12
Dissolved Zinc #	ug/l	10.9	Min. EQS AA (Bioavailable)	<3	8	NA	<3	<3	NA	NA	NA	NA	7.08	<6	5.14	5.05	NA	NA	NA	10.7
Mercury Dissolved by CVAF	ug/l	0.07	EQS MAC	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.01	<0.01	<0.01	<0.01	NA	NA	NA	<0.01
Dissolved Mercury #	ug/l	0.07	EQS MAC	<1	<1		<1	<1			NA		<0.01	<0.01	<0.01	<0.01		NA		<0.01
Dissolved Calcium #	mg/l		Indicator only	114.5	185.1		153.6	162.8			NA		153	145	139	125		NA		173
Dissolved Magnesium #	mg/l		Indicator only	6.1	4.8		6	5			NA		6.8	6.7	6.7	5.34		NA		8.22
Dissolved Sodium #	mg/l		Indicator only	30	21.2		18.2	17.3			NA		28.6	28.9	25.4	26.3		NA		34.5
Phenols																				
Total Phenols HPLC	mg/l	0.0077	EQS AA	<0.1	<0.1		<0.1	<0.1			NA							NA		
Phenol	mg/l	0.0077	EQS AA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.002	<0.002	<0.002	<0.002	NA	NA	NA	<0.002
PAH MS																				
Acenaphthylene #	ug/l	0	Screened for detection	<0.013	<0.013	NA	<0.013	<0.013	NA	NA	NA	NA	<0.005	<0.005	0.01	0.01	NA	NA	NA	<0.005
Anthracene #	ug/l	0.1	EQS AA	<0.013	<0.013	NA	<0.013	<0.013	NA	NA	NA	NA	<0.005	<0.005	0.02	<0.005	NA	NA	NA	<0.005
Benzo(a)anthracene #	ug/l	0	Screened for detection	<0.015	<0.015	NA	<0.015	<0.015	NA	NA	NA	NA	<0.005	0.03	0.05	0.01	NA	NA	NA	<0.005
Benzo(a)pyrene #	ug/l	0.00017	EQS AA	<0.016	<0.016	NA	<0.016	<0.016	NA	NA	NA	NA	0.00	0.01	0.05	0.00	NA	NA	NA	<0.002
Benzo(b)fluoranthene	ug/l	0.017	EQS MAC	<0.01	<0.01	NA	<0.01	<0.01	NA	NA	NA	NA	0.01	0.02	0.11	<0.005	NA	NA	NA	<0.005
Benzo(ghi)perylene #	ug/l	0.0082	EQS MAC	<0.011	<0.011	NA	<0.011	<0.011	NA	NA	NA	NA	<0.005	0.02	0.06	<0.005	NA	NA	NA	<0.005
Benzo(k)fluoranthene	ug/l	0.017	EQS MAC	<0.01	<0.01	NA	<0.01	<0.01	NA	NA	NA	NA	<0.005	0.01	0.04	<0.005	NA	NA	NA	<0.005
Chrysene #	ug/l	0	Screened for detection	<0.011	<0.011	NA	<0.011	<0.011	NA	NA	NA	NA	<0.005	0.02	0.07	0.01	NA	NA	NA	<0.005
Dibenzo(ah)anthracene #	ug/l	0	Screened for detection	<0.01	<0.01	NA	<0.01	<0.01	NA	NA	NA	NA	<0.005	<0.005	0.01	<0.005	NA	NA	NA	<0.005
Fluoranthene #	ug/l	0.0063	EQS AA	<0.012	<0.012	NA	<0.012	<0.012	NA	NA	NA	NA	<0.005	0.03	0.13	0.01	NA	NA	NA	0.01
Fluorene #	ug/l	0	Screened for detection	<0.014	<0.014	NA	<0.014	<0.014	NA	NA	NA	NA	<0.005	0.01	0.06	0.04	NA	NA	NA	<0.005
Indeno(123cd)pyrene #	ug/l	0	Screened for detection	<0.011	<0.011	NA	<0.011	<0.011	NA	NA	NA	NA	<0.005	0.01	0.04	<0.005	NA	NA	NA	<0.005
Naphthalene #	ug/l	2	EQS AA	<0.1	<0.1	NA	<0.1	<0.1	NA	NA	NA	NA	0.03	0.02	0.01	0.02	NA	NA	NA	0.01

			Hole Name	BH358	BH320	BH320	BH321	BH340	BH326B	BH330B	BH330B	BH330B	BH330	BH330B	BH330B	BH330B	BH342B	BH342B	BH342B	BH342B
			Sampled Date	06/06/2017	05/06/2017	13/06/2017	05/06/2017	06/06/2017	30/05/2017	31/05/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	30/05/2017	05/06/2017	12/06/2017	17/11/2017
			Scheme Zone	4F	4A	4A	4A	4A	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	New Hinksey Flood Wall	South Hinksey Flood Wall	South Hinksey Flood Wall	South Hinksey Flood Wall	South Hinksey Flood Wall	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill
			Comment on location							In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area
Phenanthrene #	ug/l	0	Screened for detection	<0.011	<0.011	NA	<0.011	<0.011	NA	NA	NA	NA	<0.005	0.01	0.03	0.01	NA	NA	NA	<0.005
Pyrene #	ug/l	0	Screened for detection	<0.013	<0.013	NA	<0.013	<0.013	NA	NA	NA	NA	<0.005	0.03	0.13	0.01	NA	NA	NA	<0.005
PAH 16 Total #	ug/l		n/a -sum of above	<0.195	<0.195	NA	<0.195	<0.195	NA	NA	NA	NA	<0.082	0.28	0.99	0.30	NA	NA	NA	<0.082
PAH, Total Detected USEPA 16 (	µg/l												<0.082	0.28	0.99	0.30				<0.082
Benzo(bk)fluoranthene #	ug/l	0	Screened for detection	<0.018	<0.018	NA	<0.018	<0.018	NA	NA	NA	NA					NA	NA	NA	
Acenaphthene #	ug/l	0	Screened for detection	<0.013	<0.013	NA	<0.013	<0.013	NA	NA	NA	NA	0.01	0.06	0.17	0.18	NA	NA	NA	<0.005
2-Chloronaphthalene #	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
2-Methylnaphthalene #	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
Naphthalene #	ug/l	2	UK EQS AA			NA			<1	<1	<1	<1	0.03	0.02	0.01	0.02	<1	<1	<1	0.01
Acenaphthylene #	ug/l	0	Screened for detection			NA			<0.5	<0.5	<0.5	<0.5	<0.005	<0.005	0.01	0.01	<0.5	<0.5	<0.5	<0.005
Acenaphthene #	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	0.01	0.06	0.17	0.18	<1	<1	<1	<0.005
Fluorene #	ug/l	0	Screened for detection			NA			<0.5	<0.5	<0.5	<0.5	<0.005	0.01	0.06	0.04	<0.5	<0.5	<0.5	<0.005
Phenanthrene #	ug/l	0	Screened for detection			NA			<0.5	<0.5	<0.5	<0.5	<0.005	0.01	0.03	0.01	<0.5	<0.5	<0.5	<0.005
Anthracene #	ug/l	0.1	EQS AA			NA			<0.5	<0.5	<0.5	<0.5	<0.005	<0.005	0.02	<0.005	<0.5	<0.5	<0.5	<0.005
Fluoranthene #	ug/l	0.0063	EQS AA			NA			<0.5	<0.5	<0.5	<0.5	<0.005	0.03	0.13	0.01	<0.5	<0.5	<0.5	0.01
Pyrene #	ug/l	0	Screened for detection			NA			<0.5	<0.5	<0.5	<0.5	<0.005	0.03	0.13	0.01	<0.5	<0.5	<0.5	<0.005
Benzo(a)anthracene #	ug/l	0	Screened for detection			NA			<0.5	<0.5	<0.5	<0.5	<0.005	0.03	0.05	0.01	<0.5	<0.5	<0.5	<0.005
Chrysene #	ug/l	0	Screened for detection			NA			<0.5	<0.5	<0.5	<0.5	<0.005	0.02	0.07	0.01	<0.5	<0.5	<0.5	<0.005
Benzo(bk)fluoranthene #	ug/l	0	Screened for detection			NA			<1	<1	<1	<1					<1	<1	<1	
Benzo(a)pyrene	ug/l	0.00017	EQS AA			NA			<1	<1	<1	<1	0.00	0.01	0.05	0.00	<1	<1	<1	<0.002
Indeno(123cd)pyrene	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	<0.005	0.01	0.04	<0.005	<1	<1	<1	<0.005
Dibenzo(ah)anthracene #	ug/l	0	Screened for detection			NA			<0.5	<0.5	<0.5	<0.5	<0.005	<0.005	0.01	<0.005	<0.5	<0.5	<0.5	<0.005
Benzo(ghi)perylene #	ug/l	0.0082	EQS MAC			NA			<0.5	<0.5	<0.5	<0.5	<0.005	0.02	0.06	<0.005	<0.5	<0.5	<0.5	<0.005
Benzo(b)fluoranthene (aq)	µg/l	0.017	EQS MAC										<1	-	-	-				<1
Benzo(k)fluoranthene (aq)	µg/l	0.017	EQS MAC										<1	-	-	-				<1
TPH CWG																				
Aliphatics																				
>C5-C6 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10	<10	<10
>C6-C8 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10	<10	<10
>C8-C10 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10	<10	<10
>C10-C12 #	ug/l	10	EQS AA for Benzene	<5	<5	NA	<5	<5	<5	<5	<5	<5	<10	-	-	-	<5	<5	<5	<10
>C12-C16 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10	<10	<10
>C16-C21 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10	<10	21
>C21-C35 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10	<10	14
Total aliphatics C5-35 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	<10	<10	<10	<10					<10	<10	<10	
Total Aliphatics >C12-C35 (aq)	ug/l	10	EQS AA for Benzene										<10	-	-	-				35
Aromatics																				
>C5-EC7 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10	<10	<10
>EC7-EC8 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10	<10	<10
>EC8-EC10 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10	<10	<10
>EC10-EC12 #	ug/l	10	EQS AA for Benzene	<5	<5	NA	<5	<5	<5	<5	<5	<5	<10	-	-	-	<5	<5	<5	<10
>EC12-EC16 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10	<10	<10
>EC16-EC21 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10	<10	11
>EC21-EC35 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10	<10	<10

				Hole Name	BH358	BH320	BH320	BH321	BH340	BH326B	BH330B	BH330B	BH330B	BH330	BH330B	BH330B	BH330B	BH342B	BH342B	BH342B	BH342B
				Sampled Date	06/06/2017	05/06/2017	13/06/2017	05/06/2017	06/06/2017	30/05/2017	31/05/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	30/05/2017	05/06/2017	12/06/2017	17/11/2017
				Scheme Zone	4F	4A	4A	4A	4A	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	New Hinksey Flood Wall	South Hinksey Flood Wall	South Hinksey Flood Wall	South Hinksey Flood Wall	South Hinksey Flood Wall	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill
				Comment on location							In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area
Total Aromatics >EC12-EC35 (ac	µg/l	10	EQS AA for Benzene											<10	-	-	-				11
Total aromatics C5-35 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10					<10	<10	<10	
Total aliphatics and aromatics(C5-35) #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10	<10	46
Aliphatics >C16-C35 Aqueous	µg/l	10	EQS AA for Benzene											<10	-	-	-				35
GRO >C5-C12	µg/l	10	EQS AA for Benzene											<50	-	-	-				<50
BTEX/MTBE MS																					
Methyl Tertiary Butyl Ether #	ug/l	10	EQS AA for Benzene	NA	NA	NA	NA	NA	<0.1	<0.1	<0.1	<0.1	<3	-	-	-	<0.1	<0.1	<0.1	<3	
Benzene #	ug/l	10	EQS AA for Benzene	NA	NA	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	<7	-	-	-	<0.5	0.8	1.1	<7	
Toluene #	ug/l	10	EQS AA for Benzene	NA	NA	NA	NA	NA	<5	<5	<5	<5	<4	-	-	-	<5	<5	<5	<4	
Ethylbenzene #	ug/l	10	EQS AA for Benzene	NA	NA	NA	NA	NA	<1	<1	<1	<1	<5	-	-	-	<1	<1	<1	<5	
p/m-Xylene #	ug/l	10	EQS AA for Benzene	NA	NA	NA	NA	NA	<2	<2	<2	<2	<8	-	-	-	<2	<2	<2	<8	
o-Xylene #	ug/l	10	EQS AA for Benzene	NA	NA	NA	NA	NA	<1	<1	<1	<1	<3	-	-	-	<1	<1	<1	<3	
Sum of detected Xylenes	ug/l	10	EQS AA for Benzene										<11	-	-	-				<11	
Sum of detected BTEX	ug/l	10	EQS AA for Benzene										<28	-	-	-				<28	
MTBE #	ug/l	10	EQS AA for Benzene	<5	<5		<5	<5			NA							NA			
Benzene #	ug/l	10	EQS AA for Benzene	<5	<5		<5	<5			NA							NA			
Toluene #	ug/l	10	EQS AA for Benzene	<5	<5		<5	<5			NA							NA			
Ethylbenzene #	ug/l	10	EQS AA for Benzene	<5	<5		<5	<5			NA							NA			
m/p-Xylene #	ug/l	10	EQS AA for Benzene	<5	<5		<5	<5			NA							NA			
o-Xylene #	ug/l	10	EQS AA for Benzene	<5	<5		<5	<5			NA							NA			
VOC MS																					
1,1,1,2-Tetrachloroethane #	ug/l	0	Screened for detection			NA			<2	<2	<2	<2	<1	-	-	-	<2	<2	<2	<1	
1,1,1-Trichloroethane #	ug/l	0	Screened for detection			NA			<2	<2	<2	<2	<1	-	-	-	<2	<2	<2	<1	
1,1,2,2-Tetrachloroethane	ug/l	0	Screened for detection			NA			<4	<4	<4	<4	<1	-	-	-	<4	<4	<4	<1	
1,1,2-Trichloroethane #	ug/l	0	Screened for detection			NA			<2	<2	<2	<2	<1	-	-	-	<2	<2	<2	<1	
1,1-Dichloroethane #	ug/l	0	Screened for detection			NA			<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1	
1,1-Dichloroethene (1,1 DCE) #	ug/l	0	Screened for detection			NA			<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1	
1,1-Dichloropropene #	ug/l	0	Screened for detection			NA			<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1	
1,2,3-Trichlorobenzene	ug/l	0	Screened for detection			NA			<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1	
1,2,3-Trichloropropane #	ug/l	0	Screened for detection			NA			<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1	
1,2,4-Trichlorobenzene	ug/l	0	Screened for detection			NA			<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1	
1,2,4-Trimethylbenzene #	ug/l	0	Screened for detection			NA			<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1	
1,2-Dibromo-3-chloropropane	ug/l	0	Screened for detection			NA			<2	<2	<2	<2	<1	-	-	-	<2	<2	<2	<1	
1,2-Dibromoethane #	ug/l	0	Screened for detection			NA			<2	<2	<2	<2	<1	-	-	-	<2	<2	<2	<1	
1,2-Dichlorobenzene #	ug/l	0	Screened for detection			NA			<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1	
1,2-Dichloroethane #	ug/l	0	Screened for detection			NA			<2	<2	<2	<2	<1	-	-	-	<2	<2	<2	<1	
1,2-Dichloropropane #	ug/l	0	Screened for detection			NA			<2	<2	<2	<2	<1	-	-	-	<2	<2	<2	<1	
1,3,5-Trichlorobenzene	µg/l	0	Screened for detection										<1	-	-	-				<1	
1,3,5-Trimethylbenzene #	ug/l	0	Screened for detection			NA			<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1	
1,3-Dichlorobenzene #	ug/l	0	Screened for detection			NA			<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1	
1,3-Dichloropropane #	ug/l	0	Screened for detection			NA			<2	<2	<2	<2	<1	-	-	-	<2	<2	<2	<1	
1,4-Dichlorobenzene #	ug/l	0	Screened for detection			NA			<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1	
2,2-Dichloropropane	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1	
2-Chlorotoluene #	ug/l	0	Screened for detection			NA			<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1	
4-Chlorotoluene #	ug/l	0	Screened for detection			NA			<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1	
4-Isopropyltoluene #	ug/l	0	Screened for detection			NA			<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1	

				Hole Name	BH358	BH320	BH320	BH321	BH340	BH326B	BH330B	BH330B	BH330B	BH330	BH330B	BH330B	BH330B	BH342B	BH342B	BH342B	BH342B
				Sampled Date	06/06/2017	05/06/2017	13/06/2017	05/06/2017	06/06/2017	30/05/2017	31/05/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	30/05/2017	05/06/2017	12/06/2017	17/11/2017
				Scheme Zone	4F	4A	4A	4A	4A	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	New Hinksey Flood Wall	South Hinksey Flood Wall	South Hinksey Flood Wall	South Hinksey Flood Wall	South Hinksey Flood Wall	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill
				Comment on location							In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area
Benzene #	ug/l	10	UK EQS AA			NA				<0.5	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	0.8	1.1	<1
Bromobenzene #	ug/l	0	Screened for detection			NA				<2	<2	<2	<2	<1	-	-	-	<2	<2	<2	<1
Bromochloromethane #	ug/l	0	Screened for detection			NA				<2	<2	<2	<2	<1	-	-	-	<2	<2	<2	<1
Bromodichloromethane #	ug/l	0	Screened for detection			NA				<2	<2	<2	<2	<1	-	-	-	<2	<2	<2	<1
Bromoform #	ug/l	0	Screened for detection			NA				<2	<2	<2	<2	<1	-	-	-	<2	<2	<2	<1
Bromomethane	ug/l	0	Screened for detection			NA				<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
Carbon disulphide	µg/l	0	Screened for detection											<1	-	-	-				<1
Carbon tetrachloride #	ug/l	0	Screened for detection			NA				<2	<2	<2	<2	<1	-	-	-	<2	<2	<2	<1
Chlorobenzene #	ug/l	0	Screened for detection			NA				<2	<2	<2	<2	<1	-	-	-	<2	<2	<2	<1
Chloroethane #	ug/l	0	Screened for detection			NA				<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1
Chloroform #	ug/l	0	Screened for detection			NA				<2	<2	<2	<2	<1	-	-	-	<2	<2	<2	<1
Chloromethane #	ug/l	0	Screened for detection			NA				<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1
cis-1-2-Dichloroethene #	ug/l	0	Screened for detection			NA				<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1
cis-1-3-Dichloropropene	ug/l	0	Screened for detection			NA				<2	<2	<2	<2	<1	-	-	-	<2	<2	<2	<1
Dibromochloromethane #	ug/l	0	Screened for detection			NA				<2	<2	<2	<2	<1	-	-	-	<2	<2	<2	<1
Dibromomethane #	ug/l	0	Screened for detection			NA				<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1
Dichlorodifluoromethane	ug/l	0	Screened for detection			NA				<2	<2	<2	<2	<1	-	-	-	<2	<2	<2	<1
Dichloromethane (DCM) #	ug/l	0	Screened for detection			NA				<5	<5	<5	<5	<3	-	-	-	<5	<5	<5	<3
Ethylbenzene #	ug/l	0	Screened for detection			NA				<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
Hexachlorobutadiene	ug/l	0	Screened for detection			NA				<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1
Isopropylbenzene #	ug/l	0	Screened for detection			NA				<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1
Methyl Tertiary Butyl Ether #	ug/l	0	Screened for detection			NA				<0.1	<0.1	<0.1	<0.1	<1	-	-	-	<0.1	<0.1	<0.1	<1
Naphthalene	ug/l	0	Screened for detection			NA				<2	<2	<2	<2	<1	-	-	-	<2	<2	<2	<1
n-Butylbenzene #	ug/l	0	Screened for detection			NA				<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1
o-Xylene #	ug/l	0	Screened for detection			NA				<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
p/m-Xylene #	ug/l	0	Screened for detection			NA				<2	<2	<2	<2	<1	-	-	-	<2	<2	<2	<1
Propylbenzene #	ug/l	0	Screened for detection			NA				<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1
sec-Butylbenzene #	ug/l	0	Screened for detection			NA				<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1
Styrene	ug/l	0	Screened for detection			NA				<2	<2	<2	<2	<1	-	-	-	<2	<2	<2	<1
tert-Amyl methyl ether (TAME)	µg/l	0	Screened for detection											<1	-	-	-				<1
tert-Butylbenzene #	ug/l	0	Screened for detection			NA				<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1
Tetrachloroethene (PCE) #	ug/l	0	Screened for detection			NA				<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1
Toluene #	ug/l	0	Screened for detection			NA				<5	<5	<5	<5	<1	-	-	-	<5	<5	<5	<1
trans-1-2-Dichloroethene #	ug/l	0	Screened for detection			NA				<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1
trans-1-3-Dichloropropene	ug/l	0	Screened for detection			NA				<2	<2	<2	<2	<1	-	-	-	<2	<2	<2	<1
Trichloroethene (TCE) #	ug/l	0	Screened for detection			NA				<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1
Trichlorofluoromethane #	ug/l	0	Screened for detection			NA				<3	<3	<3	<3	<1	-	-	-	<3	<3	<3	<1
Vinyl Chloride #	ug/l	0	Screened for detection			NA				<0.1	<0.1	<0.1	<0.1	<1	-	-	-	<0.1	<0.1	<0.1	<1
SVOC MS																					
Phenols																					
2-Chlorophenol #	ug/l	0	Screened for detection			NA				<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
2-Methylphenol #	ug/l	0	Screened for detection			NA				<0.5	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<0.5	<1
2-Nitrophenol	ug/l	0	Screened for detection			NA				<0.5	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<0.5	<1
2,4-Dichlorophenol #	ug/l	0	Screened for detection			NA				<0.5	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<0.5	<1
2,4-Dimethylphenol	ug/l	0	Screened for detection			NA				<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
2,4,5-Trichlorophenol #	ug/l	0	Screened for detection			NA				<0.5	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<0.5	<1
2,4,6-Trichlorophenol	ug/l	0	Screened for detection			NA				<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1

				Hole Name	BH358	BH320	BH320	BH321	BH340	BH326B	BH330B	BH330B	BH330B	BH330	BH330B	BH330B	BH330B	BH342B	BH342B	BH342B	BH342B
				Sampled Date	06/06/2017	05/06/2017	13/06/2017	05/06/2017	06/06/2017	30/05/2017	31/05/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	30/05/2017	05/06/2017	12/06/2017	17/11/2017
				Scheme Zone	4F	4A	4A	4A	4A	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	New Hinksey Flood Wall	South Hinksey Flood Wall	South Hinksey Flood Wall	South Hinksey Flood Wall	South Hinksey Flood Wall	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill
				Comment on location							In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area
4-Chloro-3-methylphenol #	ug/l	0	Screened for detection			NA			<0.5	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<0.5	<1
4-Methylphenol	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
4-Nitrophenol	ug/l	0	Screened for detection			NA			<10	<10	<10	<10	<1	-	-	-	<10	<10	<10	<1
Pentachlorophenol	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
Phenol	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
PAHs																					
Phthalates																					
Bis(2-ethylhexyl) phthalate	ug/l	0	Screened for detection			NA			<5	<5	<5	<5	<2	-	-	-	<5	<5	<5	<2
Butylbenzyl phthalate	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
Di-n-butyl phthalate #	ug/l	0	Screened for detection			NA			<1.5	<1.5	<1.5	<1.5	<1	-	-	-	<1.5	<1.5	<1.5	<1
Di-n-Octyl phthalate	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	<5	-	-	-	<1	<1	<1	<5
Diethyl phthalate #	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
Dimethyl phthalate	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
Other SVOCs																					
1,2-Dichlorobenzene #	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
1,2,4-Trichlorobenzene #	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
1,3-Dichlorobenzene #	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
1,4-Dichlorobenzene #	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
2-Nitroaniline	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
2,4-Dinitrotoluene #	ug/l	0	Screened for detection			NA			<0.5	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<0.5	<1
2,6-Dinitrotoluene	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
3-Nitroaniline	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
4-Bromophenylphenylether #	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
4-Chloroaniline	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
4-Chlorophenylphenylether #	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
4-Nitroaniline	ug/l	0	Screened for detection			NA			<0.5	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<0.5	<1
Azobenzene #	ug/l	0	Screened for detection			NA			<0.5	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<0.5	<1
Bis(2-chloroethoxy)methane #	ug/l	0	Screened for detection			NA			<0.5	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<0.5	<1
Bis(2-chloroethyl)ether #	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
Carbazole #	ug/l	0	Screened for detection			NA			<0.5	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<0.5	<1
Dibenzofuran #	ug/l	0	Screened for detection			NA			<0.5	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<0.5	<1
Hexachlorobenzene #	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
Hexachlorobutadiene #	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
Hexachlorocyclopentadiene	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
Hexachloroethane #	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
Isophorone #	ug/l	0	Screened for detection			NA			<0.5	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<0.5	<1
N-nitrosodi-n-propylamine #	ug/l	0	Screened for detection			NA			<0.5	<0.5	<0.5	<0.5	<1	-	-	-	<0.5	<0.5	<0.5	<1
Nitrobenzene #	ug/l	0	Screened for detection			NA			<1	<1	<1	<1	<1	-	-	-	<1	<1	<1	<1
PCBs:																					
PCB 28	ug/l	0	Screened for detection			NA			<0.1	<0.1	<0.1	<0.1	<0.015	-	-	-	<0.1	<0.1	<0.1	<0.015
PCB 52	ug/l	0	Screened for detection			NA			<0.1	<0.1	<0.1	<0.1	<0.015	-	-	-	<0.1	<0.1	<0.1	<0.015
PCB 101	ug/l	0	Screened for detection			NA			<0.1	<0.1	<0.1	<0.1	<0.015	-	-	-	<0.1	<0.1	<0.1	<0.015
PCB 105	µg/l	0	Screened for detection										<0.015	-	-	-				<0.015
PCB 114	µg/l	0	Screened for detection										<0.015	-	-	-				<0.015
PCB 118	ug/l	0	Screened for detection			NA			<0.1	<0.1	<0.1	<0.1	<0.015	-	-	-	<0.1	<0.1	<0.1	<0.015
PCB 123	µg/l	0	Screened for detection										<0.015	-	-	-				<0.015

				Hole Name	BH358	BH320	BH320	BH321	BH340	BH326B	BH330B	BH330B	BH330B	BH330	BH330B	BH330B	BH330B	BH342B	BH342B	BH342B	BH342B
				Sampled Date	06/06/2017	05/06/2017	13/06/2017	05/06/2017	06/06/2017	30/05/2017	31/05/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	30/05/2017	05/06/2017	12/06/2017	17/11/2017
				Scheme Zone	4F	4A	4A	4A	4A	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	New Hinksey Flood Wall	South Hinksey Flood Wall	South Hinksey Flood Wall	South Hinksey Flood Wall	South Hinksey Flood Wall	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill
				Comment on location							In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area
PCB 126	µg/l	0	Screened for detection											<0.015	-	-	-				<0.015
PCB 138	ug/l	0	Screened for detection				NA			<0.1	<0.1	<0.1	<0.1	<0.015	-	-	-	<0.1	<0.1	<0.1	<0.015
PCB 153	ug/l	0	Screened for detection				NA			<0.1	<0.1	<0.1	<0.1	<0.015	-	-	-	<0.1	<0.1	<0.1	<0.015
PCB 156	µg/l	0	Screened for detection											<0.015	-	-	-				<0.015
PCB 157	µg/l	0	Screened for detection											<0.015	-	-	-				<0.015
PCB 167	µg/l	0	Screened for detection											<0.015	-	-	-				<0.015
PCB 169	µg/l	0	Screened for detection											<0.015	-	-	-				<0.015
PCB 180	ug/l	0	Screened for detection				NA			<0.1	<0.1	<0.1	<0.1	<0.015	-	-	-	<0.1	<0.1	<0.1	<0.015
PCB 189	µg/l	0	Screened for detection											<0.015	-	-	-				<0.015
PCB congener 77	µg/l	0	Screened for detection											<0.015	-	-	-				<0.015
PCB congener 81	µg/l	0	Screened for detection											<0.015	-	-	-				<0.015
Total 7 PCBs	ug/l	0	Screened for detection				NA			<0.7	<0.7	<0.7	<0.7					<0.7	<0.7	<0.7	
Sum of detected EC7 PCB's	µg/l	0	Screened for detection											<0.105	-	-	-				<0.105
Pesticides																					
Organochlorine Pesticides																					
Aldrin	ug/l	0	Screened for detection											<0.02	-	-	-				<0.02
Alpha-HCH (BHC)	ug/l	0	Screened for detection											<0.01	-	-	-				<0.01
Beta-HCH (BHC)	ug/l	0	Screened for detection											<0.01	-	-	-				<0.01
Chlorothalonil	ug/l	0	Screened for detection											<0.01	-	-	-				<0.01
cis-Chlordane	ug/l	0	Screened for detection											<0.01	-	-	-				<0.01
Delta-HCH (BHC)	ug/l	0	Screened for detection											<0.01	-	-	-				<0.01
Dieldrin	ug/l	0	Screened for detection											<0.01	-	-	-				<0.01
Disulfoton	µg/l	0	Screened for detection											<0.01	-	-	-				<0.01
Endosulphan I	ug/l	0	Screened for detection											<0.01	-	-	-				<0.01
Endosulphan II	ug/l	0	Screened for detection											<0.02	-	-	-				<0.02
Endosulphan sulphate	ug/l	0	Screened for detection											<0.02	-	-	-				<0.02
Endrin	ug/l	0	Screened for detection											<0.01	-	-	-				<0.01
Gamma-HCH (BHC)	ug/l	0	Screened for detection											<0.01	-	-	-				<0.01
Heptachlor	ug/l	0	Screened for detection											<0.02	-	-	-				<0.02
Heptachlor Epoxide	ug/l	0	Screened for detection											<0.01	-	-	-				<0.01
Hexachlorobenzene	ug/l	0	Screened for detection											<0.01	-	-	-				<0.01
Isodrin	ug/l	0	Screened for detection											<0.01	-	-	-				<0.01
o,p'-DDE	ug/l	0	Screened for detection											<0.01	-	-	-				<0.01
o,p'-DDT	ug/l	0	Screened for detection											<0.02	-	-	-				<0.02
o,p'-Methoxychlor	ug/l	0	Screened for detection											<0.02	-	-	-				<0.02
o,p'-TDE	ug/l	0	Screened for detection											<0.01	-	-	-				<0.01
p,p'-DDE	ug/l	0	Screened for detection											<0.01	-	-	-				<0.01
p,p'-DDT	ug/l	0	Screened for detection											<0.02	-	-	-				<0.02
p,p'-Methoxychlor	ug/l	0	Screened for detection											<0.02	-	-	-				<0.02
p,p'-TDE	ug/l	0	Screened for detection											<0.01	-	-	-				<0.01
Pendimethalin	ug/l	0	Screened for detection											<0.01	-	-	-				<0.01
Permethrin I	ug/l	0	Screened for detection											<0.01	-	-	-				<0.01
Permethrin II	ug/l	0	Screened for detection											<0.01	-	-	-				<0.01
Quintozene (PCNB)	ug/l	0	Screened for detection											<0.01	-	-	-				<0.01
Tecnazene	ug/l	0	Screened for detection											<0.01	-	-	-				<0.01
Telodrin	ug/l	0	Screened for detection											<0.01	-	-	-				<0.01
trans-Chlordane	ug/l	0	Screened for detection											<0.01	-	-	-				<0.01

				Hole Name	BH358	BH320	BH320	BH321	BH340	BH326B	BH330B	BH330B	BH330B	BH330	BH330B	BH330B	BH330B	BH342B	BH342B	BH342B	BH342B
				Sampled Date	06/06/2017	05/06/2017	13/06/2017	05/06/2017	06/06/2017	30/05/2017	31/05/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	30/05/2017	05/06/2017	12/06/2017	17/11/2017
				Scheme Zone	4F	4A	4A	4A	4A	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	New Hinksey Flood Wall	South Hinksey Flood Wall	South Hinksey Flood Wall	South Hinksey Flood Wall	South Hinksey Flood Wall	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill
				Comment on location							In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area
Triadimefon	ug/l	0	Screened for detection											<0.01	-	-	-				<0.01
Triallate	ug/l	0	Screened for detection											<0.01	-	-	-				<0.01
Trifluralin	ug/l	0	Screened for detection											<0.01	-	-	-				<0.01
Organophosphorus Pesticides		0	Screened for detection																		
Azinphos ethyl	ug/l	0	Screened for detection																		
Azinphos methyl	ug/l	0	Screened for detection																		
Carbophenothion	ug/l	0	Screened for detection																		
Chlorfenvinphos	ug/l	0	Screened for detection																		
Chlorpyrifos	ug/l	0	Screened for detection																		
Chlorpyrifos-methyl	ug/l	0	Screened for detection																		
Diazinon	ug/l	0	Screened for detection																		
Dichlorvos	ug/l	0	Screened for detection																		
Disulfoton	ug/l	0	Screened for detection																		
Dimethoate	ug/l	0	Screened for detection																		
Ethion	ug/l	0	Screened for detection																		
Ethyl Parathion (Parathion)	ug/l	0	Screened for detection																		
Etrimphos	ug/l	0	Screened for detection																		
Fenitrothion	ug/l	0	Screened for detection																		
Fenthion	ug/l	0	Screened for detection																		
Malathion	ug/l	0	Screened for detection																		
Methyl Parathion	ug/l	0	Screened for detection																		
Mevinphos	ug/l	0	Screened for detection																		
Phosalone	ug/l	0	Screened for detection																		
Pirimiphos Methyl	ug/l	0	Screened for detection																		
Propetamphos	ug/l	0	Screened for detection																		
Triazophos	ug/l	0	Screened for detection																		
Benazolin	ug/l	0	Screened for detection				NA			<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	
Bentazone	ug/l	0	Screened for detection				NA			<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	
Bromoxynil	ug/l	0	Screened for detection				NA			<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	
Clopyralid	ug/l	0	Screened for detection				NA			<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	
4 - CPA	ug/l	0	Screened for detection				NA			<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	
2,4 - D	ug/l	0	Screened for detection				NA			<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	
2,4 - DB	ug/l	0	Screened for detection				NA			<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	
Dicamba	ug/l	0	Screened for detection				NA			<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	
Dichloroprop	ug/l	0	Screened for detection				NA			<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	
Diclofop	ug/l	0	Screened for detection				NA			<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	
Fenoprop	ug/l	0	Screened for detection				NA			<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	
Flamprop	ug/l	0	Screened for detection				NA			<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	
Flamprop – isopropyl	ug/l	0	Screened for detection				NA			<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	
Ioxynil	ug/l	0	Screened for detection				NA			<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	
MCPA	ug/l	0	Screened for detection				NA			<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	
MCPB	ug/l	0	Screened for detection				NA			<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	
Mecoprop	ug/l	0	Screened for detection				NA			<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	
Picloram	ug/l	0	Screened for detection				NA			<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	
Pentachlorophenol	ug/l	0	Screened for detection				NA			<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	
2,4,5 - T	ug/l	0	Screened for detection				NA			<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	
2,3,6 - TBA	ug/l	0	Screened for detection				NA			<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	

			Hole Name	BH358	BH320	BH320	BH321	BH340	BH326B	BH330B	BH330B	BH330B	BH330	BH330B	BH330B	BH330B	BH342B	BH342B	BH342B	BH342B
			Sampled Date	06/06/2017	05/06/2017	13/06/2017	05/06/2017	06/06/2017	30/05/2017	31/05/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	30/05/2017	05/06/2017	12/06/2017	17/11/2017
			Scheme Zone	4F	4A	4A	4A	4A	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	New Hinksey Flood Wall	South Hinksey Flood Wall	South Hinksey Flood Wall	South Hinksey Flood Wall	South Hinksey Flood Wall	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill
			Comment on location							In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area
Triclopyr	ug/l	0	Screened for detection			NA			<0.1	<0.1	<0.1	<0.1					<0.1	<0.1	<0.1	
Atrazine	ug/l	0	Screened for detection						<0.01	<0.01	NA						NA	NA		
Simazine	ug/l	0	Screened for detection						<0.01	<0.01	NA						NA	NA		
Monuron	ug/l	0	Screened for detection						<0.01	NA	NA						NA	NA		
Diuron	ug/l	0	Screened for detection						<0.01	NA	NA						NA	NA		
Linuron	ug/l	0	Screened for detection						<0.01	NA	NA						NA	NA		
Chlortoluron	ug/l	0	Screened for detection						<0.01	NA	NA						NA	NA		
Isoproturon	ug/l	0	Screened for detection						<0.01	NA	NA						NA	NA		
Carbetamide	ug/l	0	Screened for detection						<0.1	<0.1	NA						NA	NA		

				Hole Name	BH342B	BH342B	BH342B	BH346B	BH346B	BH346	BH346B	BH346B	BH346B	BH347B	BH329B	BH329B	BH329B	BH329B	BH329B	BH329B
				Sampled Date	30/11/2017	05/12/2017	12/12/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	31/05/2017	30/05/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017
				Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill
				Comment on location	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area
Test	**Units**	**Initial Screen - ing Value**	**Source of Screening Value**																		
pH[1]	pH units	6.5	EQS	7.29	7.74	7.28	NA	NA	7.26	7.35	6.96	7.65					7.34	7.59	7.31	7.38
Total Alkalinity, Bicarbonate as CaCO3	mg/l		Indicator only	385	410	420	NA		360	475	645	570			NA	7.15	295	320	440	275
Dissolved Organic Carbon	mg/l		Indicator only	3.29	3.17	3.15	NA		3.57	4.55	4.38	5.02			NA		<3	<3	3.07	3.3
Chloride	mg/l	250	UK DWS	48.7	-	49.4	NA		40.5	36.6	-	36.9			NA		44.3	42.9	-	44.4
Nitrate as NO3	mg/l	50	UK DWS	10.3	5.56	8.66	NA		<0.3	<0.3	<0.3	<0.3			NA		0.424	<0.3	<0.3	<0.3
Sulphate	mg/l	250	UK DWS	117	118	113	NA	NA	71.8	66	60.7	59.6			NA		38.8	48.6	50.9	56.6
Ortho Phosphate as PO4 #	mg/l	0.06	Notional standard	<0.05	<0.05	<0.05	NA		<0.05	<0.05	<0.05	<0.05			NA		<0.05	<0.05	<0.05	<0.05
Ammoniacal Nitrogen as N #	mg/l	0.6	EQS for rivers	0.36	0.516	1.27	NA		3.04	3.94	7.06	18.6			NA		0.37	0.307	0.312	0.352
Ortho Phosphate as PO4 #	mg/l	0.06	Previous EQS AA (Good for lowland, hard waters)				NA								NA					
Metals																				
Dissolved Arsenic #	ug/l	50	EQS AA	<0.5	0.67	0.688	NA	NA	0.854	1.63	1.55	1.64	NA	NA	NA	NA	<0.5	3.65	0.952	0.81
Dissolved Boron	ug/l	1000	UK DWS	189	126	129	NA	NA	179	176	206	237	NA	NA	NA	NA	58.8	83.5	73	55.2
Dissolved Cadmium #	ug/l	0.25	EQS AA (Hard water)	<0.08	-	<0.08	NA	NA	<0.08	<0.08	-	<0.08	NA	NA	NA	NA	<0.08	<0.48	-	<0.08
Total Dissolved Chromium #	ug/l	3.4	EQS AA for Cr VI	<1	-	5.56	NA	NA	<1	4.43	-	3.14	NA	NA	NA	NA	<1	<6	-	6.16
Hexavalent Chromium	mg/l	3.4	EQS AA for Cr VI	<0.03	-	<0.03	NA		<0.03	<0.03	-	<0.03			NA		<0.03	<0.03	-	<0.03
Dissolved Copper #	ug/l	1	Min. EQS AA (Bioavailable)	0.656	-	0.917	NA	NA	<0.3	<0.3	-	0.411	NA	NA	NA	NA	0.527	4.68	-	1.06
Dissolved Lead #	ug/l	1.2	Min. EQS AA (Bioavailable)	<0.2	<0.2	<0.2	NA	NA	<0.2	<0.2	<0.2	<0.2	NA	NA	NA	NA	<0.2	7.63	<0.2	0.816
Dissolved Nickel #	ug/l	4	Min. EQS AA (Bioavailable)	2	1.96	1.86	NA	NA	4.78	1.94	1.87	2.25	NA	NA	NA	NA	3.73	5.9	4.18	3.5
Dissolved Zinc #	ug/l	10.9	Min. EQS AA (Bioavailable)	7.84	4.51	9.26	NA	NA	4.1	4.58	3.19	9.18	NA	NA	NA	NA	6.34	20.3	4.6	6.49
Mercury Dissolved by CVAF	ug/l	0.07	EQS MAC	<0.01	<0.01	<0.01	NA	NA	<0.01	<0.01	<0.01	<0.01	NA	NA	NA	NA	<0.01	0.17	<0.01	<0.01
Dissolved Mercury #	ug/l	0.07	EQS MAC	<0.01	<0.01	<0.01	NA		<0.01	<0.01	<0.01	<0.01			NA		<0.01	0.17	<0.01	<0.01
Dissolved Calcium #	mg/l		Indicator only	167	182	128	NA		145	144	137	146			NA		116	117	125	112
Dissolved Magnesium #	mg/l		Indicator only	8.32	8.06	6.95	NA		7.43	7.35	7.44	7.76			NA		4.98	4.93	4.95	4.8
Dissolved Sodium #	mg/l		Indicator only	36.1	34.2	31.6	NA		28.2	28.3	25.9	26.8			NA		29.3	28.8	27.6	26.7
Phenols																				
Total Phenols HPLC	mg/l	0.0077	EQS AA				NA								NA					
Phenol	mg/l	0.0077	EQS AA	<0.002	<0.002	<0.002	NA	NA	<0.002	<0.002	<0.002	<0.002	NA	NA	NA	NA	<0.002	<0.002	<0.002	<0.002
PAH MS																				
Acenaphthylene #	ug/l	0	Screened for detection	<0.005	<0.005	<0.005	NA	NA	<0.005	<0.005	0.01	0.01	NA	NA	NA	NA	<0.005	<0.005	<0.005	<0.005
Anthracene #	ug/l	0.1	EQS AA	<0.005	<0.005	<0.005	NA	NA	<0.005	0.01	0.03	0.01	NA	NA	NA	NA	<0.005	<0.005	<0.005	<0.005
Benzo(a)anthracene #	ug/l	0	Screened for detection	<0.005	0.02	0.01	NA	NA	0.01	0.05	0.08	0.04	NA	NA	NA	NA	<0.005	0.01	0.02	0.02
Benzo(a)pyrene #	ug/l	0.00017	EQS AA	<0.002	0.01	<0.002	NA	NA	0.00	0.03	0.06	0.03	NA	NA	NA	NA	<0.002	0.01	0.02	0.01
Benzo(b)fluoranthene	ug/l	0.017	EQS MAC	<0.005	0.03	<0.005	NA	NA	0.01	0.05	0.10	0.05	NA	NA	NA	NA	<0.005	0.01	0.03	0.02
Benzo(ghi)perylene #	ug/l	0.0082	EQS MAC	<0.005	0.03	<0.005	NA	NA	<0.005	0.03	0.05	0.03	NA	NA	NA	NA	<0.005	0.01	0.02	0.01
Benzo(k)fluoranthene	ug/l	0.017	EQS MAC	<0.005	0.01	<0.005	NA	NA	<0.005	0.02	0.05	0.02	NA	NA	NA	NA	<0.005	0.01	0.01	0.01
Chrysene #	ug/l	0	Screened for detection	<0.005	0.02	0.01	NA	NA	0.01	0.05	0.07	0.04	NA	NA	NA	NA	<0.005	0.01	0.02	0.02
Dibenzo(ah)anthracene #	ug/l	0	Screened for detection	<0.005	<0.005	<0.005	NA	NA	<0.005	<0.005	0.01	<0.005	NA	NA	NA	NA	<0.005	<0.005	<0.005	<0.005
Fluoranthene #	ug/l	0.0063	EQS AA	<0.005	0.05	0.02	NA	NA	0.01	0.15	0.30	0.17	NA	NA	NA	NA	<0.005	0.01	0.03	0.03
Fluorene #	ug/l	0	Screened for detection	0.01	0.01	0.01	NA	NA	<0.005	0.05	0.18	0.12	NA	NA	NA	NA	<0.005	<0.005	<0.005	<0.005
Indeno(123cd)pyrene #	ug/l	0	Screened for detection	<0.005	0.01	<0.005	NA	NA	<0.005	0.02	0.03	0.02	NA	NA	NA	NA	<0.005	0.01	0.01	0.01
Naphthalene #	ug/l	2	EQS AA	0.01	0.01	0.01	NA	NA	<0.01	0.01	0.03	0.03	NA	NA	NA	NA	0.01	0.01	<0.01	0.01

				Hole Name	BH342B	BH342B	BH342B	BH346B	BH346B	BH346	BH346B	BH346B	BH346B	BH347B	BH329B	BH329B	BH329B	BH329B	BH329B	BH329B	BH329B
				Sampled Date	30/11/2017	05/12/2017	12/12/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	31/05/2017	30/05/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017
				Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill
				Comment on location	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area
Phenanthrene #	ug/l	0	Screened for detection	<0.005	0.01	0.01	NA	NA	<0.005	0.01	0.02	0.02	NA	NA	NA	NA	<0.005	0.01	0.01	0.01
Pyrene #	ug/l	0	Screened for detection	<0.005	0.04	0.01	NA	NA	0.01	0.11	0.21	0.12	NA	NA	NA	NA	<0.005	0.02	0.03	0.03
PAH 16 Total #	ug/l		n/a -sum of above	<0.082	0.28	0.08	NA	NA	<0.082	0.78	1.65	1.06	NA	NA	NA	NA	<0.082	0.12	0.20	0.18
PAH, Total Detected USEPA 16 (	µg/l			<0.082	0.28	0.08			<0.082	0.78	1.65	1.06					<0.082	0.12	0.20	0.18
Benzo(bk)fluoranthene #	ug/l	0	Screened for detection				NA	NA					NA	NA	NA	NA					
Acenaphthene #	ug/l	0	Screened for detection	0.01	0.02	0.02	NA	NA	<0.005	0.19	0.44	0.36	NA	NA	NA	NA	<0.005	<0.005	<0.005	<0.005
2-Chloronaphthalene #	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
2-Methylnaphthalene #	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
Naphthalene #	ug/l	2	UK EQS AA	0.01	0.01	0.01	<1	<1	<0.01	0.01	0.03	0.03	<1	<1	<1	<1	0.01	0.01	<0.01	0.01
Acenaphthylene #	ug/l	0	Screened for detection	<0.005	<0.005	<0.005	<0.5	<0.5	<0.005	<0.005	0.01	0.01	<0.5	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	<0.005
Acenaphthene #	ug/l	0	Screened for detection	0.01	0.02	0.02	2.00	2.00	<0.005	0.19	0.44	0.36	1.00	<1	<1	<1	<0.005	<0.005	<0.005	<0.005
Fluorene #	ug/l	0	Screened for detection	0.01	0.01	0.01	<0.5	<0.5	<0.005	0.05	0.18	0.12	<0.5	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	<0.005
Phenanthrene #	ug/l	0	Screened for detection	<0.005	0.01	0.01	<0.5	<0.5	<0.005	0.01	0.02	0.02	<0.5	<0.5	<0.5	<0.5	<0.005	0.01	0.01	0.01
Anthracene #	ug/l	0.1	EQS AA	<0.005	<0.005	<0.005	<0.5	<0.5	<0.005	0.01	0.03	0.01	<0.5	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	<0.005
Fluoranthene #	ug/l	0.0063	EQS AA	<0.005	0.05	0.02	<0.5	<0.5	0.01	0.15	0.30	0.17	<0.5	<0.5	<0.5	<0.5	<0.005	0.01	0.03	0.03
Pyrene #	ug/l	0	Screened for detection	<0.005	0.04	0.01	<0.5	<0.5	0.01	0.11	0.21	0.12	<0.5	<0.5	<0.5	<0.5	<0.005	0.02	0.03	0.03
Benzo(a)anthracene #	ug/l	0	Screened for detection	<0.005	0.02	0.01	<0.5	<0.5	0.01	0.05	0.08	0.04	<0.5	<0.5	<0.5	<0.5	<0.005	0.01	0.02	0.02
Chrysene #	ug/l	0	Screened for detection	<0.005	0.02	0.01	<0.5	<0.5	0.01	0.05	0.07	0.04	<0.5	<0.5	<0.5	<0.5	<0.005	0.01	0.02	0.02
Benzo(bk)fluoranthene #	ug/l	0	Screened for detection				<1	<1					<1	<1	<1	<1					
Benzo(a)pyrene	ug/l	0.00017	EQS AA	<0.002	0.01	<0.002	<1	<1	0.00	0.03	0.06	0.03	<1	<1	<1	<1	<0.002	0.01	0.02	0.01
Indeno(123cd)pyrene	ug/l	0	Screened for detection	<0.005	0.01	<0.005	<1	<1	<0.005	0.02	0.03	0.02	<1	<1	<1	<1	<0.005	0.01	0.01	0.01
Dibenzo(ah)anthracene #	ug/l	0	Screened for detection	<0.005	<0.005	<0.005	<0.5	<0.5	<0.005	<0.005	0.01	<0.005	<0.5	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	<0.005
Benzo(ghi)perylene #	ug/l	0.0082	EQS MAC	<0.005	0.03	<0.005	<0.5	<0.5	<0.005	0.03	0.05	0.03	<0.5	<0.5	<0.5	<0.5	<0.005	0.01	0.02	0.01
Benzo(b)fluoranthene (aq)	µg/l	0.017	EQS MAC	-	-	-			<1	<1	<1	-					<1	-	-	-
Benzo(k)fluoranthene (aq)	µg/l	0.017	EQS MAC	-	-	-			<1	<1	<1	-					<1	-	-	-
TPH CWG																					
Aliphatics																					
>C5-C6 #	ug/l	10	EQS AA for Benzene	-	-	-	<10	<10	<10	<10	<10	-	<10	<10	<10	<10	<10	-	-	-
>C6-C8 #	ug/l	10	EQS AA for Benzene	-	-	-	<10	<10	<10	<10	<10	-	<10	<10	<10	<10	<10	-	-	-
>C8-C10 #	ug/l	10	EQS AA for Benzene	-	-	-	<10	<10	<10	<10	<10	-	<10	<10	<10	<10	<10	-	-	-
>C10-C12 #	ug/l	10	EQS AA for Benzene	-	-	-	<5	<5	<10	<10	<10	-	<5	<5	<5	<5	<10	-	-	-
>C12-C16 #	ug/l	10	EQS AA for Benzene	-	-	-	<10	<10	<10	17	<10	-	<10	<10	<10	<10	<10	-	-	-
>C16-C21 #	ug/l	10	EQS AA for Benzene	-	-	-	<10	<10	<10	18	20	-	<10	<10	<10	<10	<10	-	-	-
>C21-C35 #	ug/l	10	EQS AA for Benzene	-	-	-	<10	<10	<10	124	176	-	<10	<10	<10	<10	<10	-	-	-
Total aliphatics C5-35 #	ug/l	10	EQS AA for Benzene				<10	<10					<10	<10	<10	<10					
Total Aliphatics >C12-C35 (aq)	ug/l	10	EQS AA for Benzene	-	-	-			<10	159	196	-					<10	-	-	-
Aromatics																					
>C5-EC7 #	ug/l	10	EQS AA for Benzene	-	-	-	<10	<10	<10	<10	<10	-	<10	<10	<10	<10	<10	-	-	-
>EC7-EC8 #	ug/l	10	EQS AA for Benzene	-	-	-	<10	<10	<10	<10	<10	-	<10	<10	<10	<10	<10	-	-	-
>EC8-EC10 #	ug/l	10	EQS AA for Benzene	-	-	-	<10	<10	<10	<10	<10	-	<10	<10	<10	<10	<10	-	-	-
>EC10-EC12 #	ug/l	10	EQS AA for Benzene	-	-	-	<5	<5	<10	<10	<10	-	<5	<5	<5	<5	<10	-	-	-
>EC12-EC16 #	ug/l	10	EQS AA for Benzene	-	-	-	<10	<10	<10	<10	<10	-	<10	<10	<10	<10	<10	-	-	-
>EC16-EC21 #	ug/l	10	EQS AA for Benzene	-	-	-	<10	<10	<10	<10	<10	-	<10	<10	<10	<10	<10	-	-	-
>EC21-EC35 #	ug/l	10	EQS AA for Benzene	-	-	-	<10	<10	<10	22	28	-	<10	<10	<10	<10	<10	-	-	-

				Hole Name	BH342B	BH342B	BH342B	BH346B	BH346B	BH346	BH346B	BH346B	BH346B	BH347B	BH329B	BH329B	BH329B	BH329B	BH329B	BH329B	BH329B
				Sampled Date	30/11/2017	05/12/2017	12/12/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	31/05/2017	30/05/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017
				Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill
				Comment on location	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area
Total Aromatics >EC12-EC35 (ac	µg/l	10	EQS AA for Benzene	-	-	-			<10	22	28	-					<10	-	-	-
Total aromatics C5-35 #	ug/l	10	EQS AA for Benzene				<10	<10					<10	<10	<10	<10				
Total aliphatics and aromatics(C5-35) #	ug/l	10	EQS AA for Benzene	-	-	-	<10	<10	<10	181	224	-	<10	<10	<10	<10	<10	-	-	-
Aliphatics >C16-C35 Aqueous	µg/l	10	EQS AA for Benzene	-	-	-			<10	142	196	-					<10	-	-	-
GRO >C5-C12	µg/l	10	EQS AA for Benzene	-	-	-			<50	<50	<50	-					<50	-	-	-
BTEX/MTBE MS																					
Methyl Tertiary Butyl Ether #	ug/l	10	EQS AA for Benzene	-	-	-	<0.1	<0.1	<3	<3	<3	-	<0.1	<0.1	<0.1	<0.1	<3	-	-	-
Benzene #	ug/l	10	EQS AA for Benzene	-	-	-	<0.5	<0.5	<7	<7	<7	-	<0.5	<0.5	<0.5	<0.5	<7	-	-	-
Toluene #	ug/l	10	EQS AA for Benzene	-	-	-	<5	<5	<4	<4	<4	-	<5	<5	<5	<5	<4	-	-	-
Ethylbenzene #	ug/l	10	EQS AA for Benzene	-	-	-	<1	<1	<5	<5	<5	-	<1	<1	<1	<1	<5	-	-	-
p/m-Xylene #	ug/l	10	EQS AA for Benzene	-	-	-	<2	<2	<8	<8	<8	-	<2	<2	<2	<2	<8	-	-	-
o-Xylene #	ug/l	10	EQS AA for Benzene	-	-	-	<1	<1	<3	<3	<3	-	<1	<1	<1	<1	<3	-	-	-
Sum of detected Xylenes	ug/l	10	EQS AA for Benzene	-	-	-			<11	<11	<11	-					<11	-	-	-
Sum of detected BTEX	ug/l	10	EQS AA for Benzene	-	-	-			<28	<28	<28	-					<28	-	-	-
MTBE #	ug/l	10	EQS AA for Benzene				NA								NA					
Benzene #	ug/l	10	EQS AA for Benzene				NA								NA					
Toluene #	ug/l	10	EQS AA for Benzene				NA								NA					
Ethylbenzene #	ug/l	10	EQS AA for Benzene				NA								NA					
m/p-Xylene #	ug/l	10	EQS AA for Benzene				NA								NA					
o-Xylene #	ug/l	10	EQS AA for Benzene				NA								NA					
VOC MS																					
1,1,1,2-Tetrachloroethane #	ug/l	0	Screened for detection	-	-	-	<2	<2	<1	<1	<1	-	<2	<2	<2	<2	<1	-	-	-
1,1,1-Trichloroethane #	ug/l	0	Screened for detection	-	-	-	<2	<2	<1	<1	<1	-	<2	<2	<2	<2	<1	-	-	-
1,1,2,2-Tetrachloroethane	ug/l	0	Screened for detection	-	-	-	<4	<4	<1	<1	<1	-	<4	<4	<4	<4	<1	-	-	-
1,1,2-Trichloroethane #	ug/l	0	Screened for detection	-	-	-	<2	<2	<1	<1	<1	-	<2	<2	<2	<2	<1	-	-	-
1,1-Dichloroethane #	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-
1,1-Dichloroethene (1,1 DCE) #	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-
1,1-Dichloropropene #	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-
1,2,3-Trichlorobenzene	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-
1,2,3-Trichloropropane #	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-
1,2,4-Trichlorobenzene	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-
1,2,4-Trimethylbenzene #	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-
1,2-Dibromo-3-chloropropane	ug/l	0	Screened for detection	-	-	-	<2	<2	<1	<1	<1	-	<2	<2	<2	<2	<1	-	-	-
1,2-Dibromoethane #	ug/l	0	Screened for detection	-	-	-	<2	<2	<1	<1	<1	-	<2	<2	<2	<2	<1	-	-	-
1,2-Dichlorobenzene #	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-
1,2-Dichloroethane #	ug/l	0	Screened for detection	-	-	-	<2	<2	<1	<1	<1	-	<2	<2	<2	<2	<1	-	-	-
1,2-Dichloropropane #	ug/l	0	Screened for detection	-	-	-	<2	<2	<1	<1	<1	-	<2	<2	<2	<2	<1	-	-	-
1,3,5-Trichlorobenzene	µg/l	0	Screened for detection	-	-	-			<1	<1	<1	-					<1	-	-	-
1,3,5-Trimethylbenzene #	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-
1,3-Dichlorobenzene #	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-
1,3-Dichloropropane #	ug/l	0	Screened for detection	-	-	-	<2	<2	<1	<1	<1	-	<2	<2	<2	<2	<1	-	-	-
1,4-Dichlorobenzene #	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-
2,2-Dichloropropane	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
2-Chlorotoluene #	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-
4-Chlorotoluene #	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-
4-Isopropyltoluene #	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-

				Hole Name	BH342B	BH342B	BH342B	BH346B	BH346B	BH346	BH346B	BH346B	BH346B	BH347B	BH329B	BH329B	BH329B	BH329B	BH329B	BH329B
				Sampled Date	30/11/2017	05/12/2017	12/12/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	31/05/2017	30/05/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017
				Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill
				Comment on location	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area
Benzene #	ug/l	10	UK EQS AA	-	-	-	<0.5	<0.5	<1	<1	<1	-	<0.5	<0.5	<0.5	<0.5	<1	-	-	-
Bromobenzene #	ug/l	0	Screened for detection	-	-	-	<2	<2	<1	<1	<1	-	<2	<2	<2	<2	<1	-	-	-
Bromochloromethane #	ug/l	0	Screened for detection	-	-	-	<2	<2	<1	<1	<1	-	<2	<2	<2	<2	<1	-	-	-
Bromodichloromethane #	ug/l	0	Screened for detection	-	-	-	<2	<2	<1	<1	<1	-	<2	<2	<2	<2	<1	-	-	-
Bromoform #	ug/l	0	Screened for detection	-	-	-	<2	<2	<1	<1	<1	-	<2	<2	<2	<2	<1	-	-	-
Bromomethane	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
Carbon disulphide	µg/l	0	Screened for detection	-	-	-			<1	<1	<1	-					<1	-	-	-
Carbon tetrachloride #	ug/l	0	Screened for detection	-	-	-	<2	<2	<1	<1	<1	-	<2	<2	<2	<2	<1	-	-	-
Chlorobenzene #	ug/l	0	Screened for detection	-	-	-	<2	<2	<1	<1	<1	-	<2	<2	<2	<2	<1	-	-	-
Chloroethane #	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-
Chloroform #	ug/l	0	Screened for detection	-	-	-	<2	<2	<1	<1	<1	-	<2	<2	<2	<2	<1	-	-	-
Chloromethane #	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-
cis-1-2-Dichloroethene #	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-
cis-1-3-Dichloropropene	ug/l	0	Screened for detection	-	-	-	<2	<2	<1	<1	<1	-	<2	<2	<2	<2	<1	-	-	-
Dibromochloromethane #	ug/l	0	Screened for detection	-	-	-	<2	<2	<1	<1	<1	-	<2	<2	<2	<2	<1	-	-	-
Dibromomethane #	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-
Dichlorodifluoromethane	ug/l	0	Screened for detection	-	-	-	<2	<2	<1	<1	<1	-	<2	<2	<2	<2	<1	-	-	-
Dichloromethane (DCM) #	ug/l	0	Screened for detection	-	-	-	<5	<5	<3	<3	<3	-	<5	<5	<5	<5	<3	-	-	-
Ethylbenzene #	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
Hexachlorobutadiene	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-
Isopropylbenzene #	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-
Methyl Tertiary Butyl Ether #	ug/l	0	Screened for detection	-	-	-	<0.1	<0.1	<1	<1	<1	-	<0.1	<0.1	<0.1	<0.1	<1	-	-	-
Naphthalene	ug/l	0	Screened for detection	-	-	-	<2	<2	<1	<1	<1	-	<2	<2	<2	<2	<1	-	-	-
n-Butylbenzene #	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-
o-Xylene #	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
p/m-Xylene #	ug/l	0	Screened for detection	-	-	-	<2	<2	<1	<1	<1	-	<2	<2	<2	<2	<1	-	-	-
Propylbenzene #	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-
sec-Butylbenzene #	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-
Styrene	ug/l	0	Screened for detection	-	-	-	<2	<2	<1	<1	<1	-	<2	<2	<2	<2	<1	-	-	-
tert-Amyl methyl ether (TAME)	µg/l	0	Screened for detection	-	-	-			<1	<1	<1	-					<1	-	-	-
tert-Butylbenzene #	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-
Tetrachloroethene (PCE) #	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-
Toluene #	ug/l	0	Screened for detection	-	-	-	<5	<5	<1	<1	<1	-	<5	<5	<5	<5	<1	-	-	-
trans-1-2-Dichloroethene #	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-
trans-1-3-Dichloropropene	ug/l	0	Screened for detection	-	-	-	<2	<2	<1	<1	<1	-	<2	<2	<2	<2	<1	-	-	-
Trichloroethene (TCE) #	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-
Trichlorofluoromethane #	ug/l	0	Screened for detection	-	-	-	<3	<3	<1	<1	<1	-	<3	<3	<3	<3	<1	-	-	-
Vinyl Chloride #	ug/l	0	Screened for detection	-	-	-	<0.1	<0.1	<1	<1	<1	-	<0.1	<0.1	<0.1	<0.1	<1	-	-	-
SVOC MS																				
Phenols																				
2-Chlorophenol #	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
2-Methylphenol #	ug/l	0	Screened for detection	-	-	-	<0.5	<0.5	<1	<1	<1	-	<0.5	<0.5	<0.5	<0.5	<1	-	-	-
2-Nitrophenol	ug/l	0	Screened for detection	-	-	-	<0.5	<0.5	<1	<1	<1	-	<0.5	<0.5	<0.5	<0.5	<1	-	-	-
2,4-Dichlorophenol #	ug/l	0	Screened for detection	-	-	-	<0.5	<0.5	<1	<1	<1	-	<0.5	<0.5	<0.5	<0.5	<1	-	-	-
2,4-Dimethylphenol	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
2,4,5-Trichlorophenol #	ug/l	0	Screened for detection	-	-	-	<0.5	<0.5	<1	<1	<1	-	<0.5	<0.5	<0.5	<0.5	<1	-	-	-
2,4,6-Trichlorophenol	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-

				Hole Name	BH342B	BH342B	BH342B	BH346B	BH346B	BH346	BH346B	BH346B	BH346B	BH347B	BH329B	BH329B	BH329B	BH329B	BH329B	BH329B	BH329B
				Sampled Date	30/11/2017	05/12/2017	12/12/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	31/05/2017	30/05/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017
				Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill
				Comment on location	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area
4-Chloro-3-methylphenol #	ug/l	0	Screened for detection	-	-	-	<0.5	<0.5	<1	<1	<1	-	<0.5	<0.5	<0.5	<0.5	<1	-	-	-
4-Methylphenol	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
4-Nitrophenol	ug/l	0	Screened for detection	-	-	-	<10	<10	<1	<1	<1	-	<10	<10	<10	<10	<1	-	-	-
Pentachlorophenol	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
Phenol	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
PAHs																					
Phthalates																					
Bis(2-ethylhexyl) phthalate	ug/l	0	Screened for detection	-	-	-	<5	<5	<2	<2	2.79	-	<5	<5	<5	<5	<2	-	-	-
Butylbenzyl phthalate	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
Di-n-butyl phthalate #	ug/l	0	Screened for detection	-	-	-	<1.5	<1.5	<1	<1	<1	-	<1.5	<1.5	<1.5	<1.5	<1	-	-	-
Di-n-Octyl phthalate	ug/l	0	Screened for detection	-	-	-	<1	<1	<5	<5	<5	-	<1	<1	<1	<1	<5	-	-	-
Diethyl phthalate #	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
Dimethyl phthalate	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
Other SVOCs																					
1,2-Dichlorobenzene #	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
1,2,4-Trichlorobenzene #	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
1,3-Dichlorobenzene #	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
1,4-Dichlorobenzene #	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
2-Nitroaniline	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
2,4-Dinitrotoluene #	ug/l	0	Screened for detection	-	-	-	<0.5	<0.5	<1	<1	<1	-	<0.5	<0.5	<0.5	<0.5	<1	-	-	-
2,6-Dinitrotoluene	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
3-Nitroaniline	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
4-Bromophenylphenylether #	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
4-Chloroaniline	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
4-Chlorophenylphenylether #	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
4-Nitroaniline	ug/l	0	Screened for detection	-	-	-	<0.5	<0.5	<1	<1	<1	-	<0.5	<0.5	<0.5	<0.5	<1	-	-	-
Azobenzene #	ug/l	0	Screened for detection	-	-	-	<0.5	<0.5	<1	<1	<1	-	<0.5	<0.5	<0.5	<0.5	<1	-	-	-
Bis(2-chloroethoxy)methane #	ug/l	0	Screened for detection	-	-	-	<0.5	<0.5	<1	<1	<1	-	<0.5	<0.5	<0.5	<0.5	<1	-	-	-
Bis(2-chloroethyl)ether #	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
Carbazole #	ug/l	0	Screened for detection	-	-	-	<0.5	<0.5	<1	<1	<1	-	<0.5	<0.5	<0.5	<0.5	<1	-	-	-
Dibenzofuran #	ug/l	0	Screened for detection	-	-	-	<0.5	<0.5	<1	<1	<1	-	<0.5	<0.5	<0.5	<0.5	<1	-	-	-
Hexachlorobenzene #	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
Hexachlorobutadiene #	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
Hexachlorocyclopentadiene	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
Hexachloroethane #	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
Isophorone #	ug/l	0	Screened for detection	-	-	-	<0.5	<0.5	<1	<1	<1	-	<0.5	<0.5	<0.5	<0.5	<1	-	-	-
N-nitrosodi-n-propylamine #	ug/l	0	Screened for detection	-	-	-	<0.5	<0.5	<1	<1	<1	-	<0.5	<0.5	<0.5	<0.5	<1	-	-	-
Nitrobenzene #	ug/l	0	Screened for detection	-	-	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	-	-
PCBs:																					
PCB 28	ug/l	0	Screened for detection	-	-	-	<0.1	<0.1	<0.015	<0.015	0.02	-	<0.1	<0.1	<0.1	<0.1	<0.015	-	-	-
PCB 52	ug/l	0	Screened for detection	-	-	-	<0.1	<0.1	<0.015	<0.015	<0.015	-	<0.1	<0.1	<0.1	<0.1	<0.015	-	-	-
PCB 101	ug/l	0	Screened for detection	-	-	-	<0.1	<0.1	<0.015	<0.015	<0.015	-	<0.1	<0.1	<0.1	<0.1	<0.015	-	-	-
PCB 105	µg/l	0	Screened for detection	-	-	-			<0.015	<0.015	<0.015	-					<0.015	-	-	-
PCB 114	µg/l	0	Screened for detection	-	-	-			<0.015	<0.015	<0.015	-					<0.015	-	-	-
PCB 118	ug/l	0	Screened for detection	-	-	-	<0.1	<0.1	<0.015	<0.015	<0.015	-	<0.1	<0.1	<0.1	<0.1	<0.015	-	-	-
PCB 123	µg/l	0	Screened for detection	-	-	-			<0.015	<0.015	<0.015	-					<0.015	-	-	-

			Hole Name	BH342B	BH342B	BH342B	BH346B	BH346B	BH346	BH346B	BH346B	BH346B	BH347B	BH329B	BH329B	BH329B	BH329B	BH329B	BH329B	BH329B
			Sampled Date	30/11/2017	05/12/2017	12/12/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	31/05/2017	30/05/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017
			Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill
			Comment on location	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area
PCB 126	µg/l	0	Screened for detection	-	-	-			<0.015	<0.015	<0.015	-					<0.015	-	-	-
PCB 138	ug/l	0	Screened for detection	-	-	-	<0.1	<0.1	<0.015	<0.015	<0.015	-	<0.1	<0.1	<0.1	<0.1	<0.015	-	-	-
PCB 153	ug/l	0	Screened for detection	-	-	-	<0.1	<0.1	<0.015	<0.015	<0.015	-	<0.1	<0.1	<0.1	<0.1	<0.015	-	-	-
PCB 156	µg/l	0	Screened for detection	-	-	-			<0.015	<0.015	<0.015	-					<0.015	-	-	-
PCB 157	µg/l	0	Screened for detection	-	-	-			<0.015	<0.015	<0.015	-					<0.015	-	-	-
PCB 167	µg/l	0	Screened for detection	-	-	-			<0.015	<0.015	<0.015	-					<0.015	-	-	-
PCB 169	µg/l	0	Screened for detection	-	-	-			<0.015	<0.015	<0.015	-					<0.015	-	-	-
PCB 180	ug/l	0	Screened for detection	-	-	-	<0.1	<0.1	<0.015	<0.015	<0.015	-	<0.1	<0.1	<0.1	<0.1	<0.015	-	-	-
PCB 189	µg/l	0	Screened for detection	-	-	-			<0.015	<0.015	<0.015	-					<0.015	-	-	-
PCB congener 77	µg/l	0	Screened for detection	-	-	-			<0.015	<0.015	<0.015	-					<0.015	-	-	-
PCB congener 81	µg/l	0	Screened for detection	-	-	-			<0.015	<0.015	<0.015	-					<0.015	-	-	-
Total 7 PCBs	ug/l	0	Screened for detection				<0.7	<0.7					<0.7	<0.7	<0.7	<0.7				
Sum of detected EC7 PCB's	µg/l	0	Screened for detection	-	-	-			<0.105	<0.105	<0.105	-					<0.105	-	-	-
Pesticides																				
Organochlorine Pesticides																				
Aldrin	ug/l	0	Screened for detection	-	-	-			<0.02	<0.01	<0.01	-					<0.02	-	-	-
Alpha-HCH (BHC)	ug/l	0	Screened for detection	-	-	-			<0.01	<0.01	<0.01	-					<0.01	-	-	-
Beta-HCH (BHC)	ug/l	0	Screened for detection	-	-	-			<0.01	<0.01	<0.01	-					<0.01	-	-	-
Chlorothalonil	ug/l	0	Screened for detection	-	-	-			<0.01	<0.01	<0.01	-					<0.01	-	-	-
cis-Chlordane	ug/l	0	Screened for detection	-	-	-			<0.01	<0.01	<0.01	-					<0.01	-	-	-
Delta-HCH (BHC)	ug/l	0	Screened for detection	-	-	-			<0.01	<0.01	<0.01	-					<0.01	-	-	-
Dieldrin	ug/l	0	Screened for detection	-	-	-			<0.01	<0.01	<0.01	-					<0.01	-	-	-
Disulfoton	µg/l	0	Screened for detection	-	-	-			<0.01	<0.01	<0.01	-					<0.01	-	-	-
Endosulphan I	ug/l	0	Screened for detection	-	-	-			<0.01	<0.01	<0.01	-					<0.01	-	-	-
Endosulphan II	ug/l	0	Screened for detection	-	-	-			<0.02	<0.02	<0.02	-					<0.02	-	-	-
Endosulphan sulphate	ug/l	0	Screened for detection	-	-	-			<0.02	<0.02	<0.02	-					<0.02	-	-	-
Endrin	ug/l	0	Screened for detection	-	-	-			<0.01	<0.01	<0.01	-					<0.01	-	-	-
Gamma-HCH (BHC)	ug/l	0	Screened for detection	-	-	-			<0.01	<0.01	<0.01	-					<0.01	-	-	-
Heptachlor	ug/l	0	Screened for detection	-	-	-			<0.02	<0.01	<0.01	-					<0.02	-	-	-
Heptachlor Epoxide	ug/l	0	Screened for detection	-	-	-			<0.01	<0.01	<0.01	-					<0.01	-	-	-
Hexachlorobenzene	ug/l	0	Screened for detection	-	-	-			<0.01	<0.01	<0.01	-					<0.01	-	-	-
Isodrin	ug/l	0	Screened for detection	-	-	-			<0.01	<0.01	<0.01	-					<0.01	-	-	-
o,p'-DDE	ug/l	0	Screened for detection	-	-	-			<0.01	<0.01	<0.01	-					<0.01	-	-	-
o,p'-DDT	ug/l	0	Screened for detection	-	-	-			<0.02	<0.01	<0.01	-					<0.02	-	-	-
o,p'-Methoxychlor	ug/l	0	Screened for detection	-	-	-			<0.02	<0.01	<0.01	-					<0.02	-	-	-
o,p'-TDE	ug/l	0	Screened for detection	-	-	-			<0.01	<0.01	<0.01	-					<0.01	-	-	-
p,p'-DDE	ug/l	0	Screened for detection	-	-	-			<0.01	<0.01	<0.01	-					<0.01	-	-	-
p,p'-DDT	ug/l	0	Screened for detection	-	-	-			<0.02	<0.01	<0.01	-					<0.02	-	-	-
p,p'-Methoxychlor	ug/l	0	Screened for detection	-	-	-			<0.02	<0.01	<0.01	-					<0.02	-	-	-
p,p'-TDE	ug/l	0	Screened for detection	-	-	-			<0.01	<0.01	<0.01	-					<0.01	-	-	-
Pendimethalin	ug/l	0	Screened for detection	-	-	-			<0.01	<0.01	<0.01	-					<0.01	-	-	-
Permethrin I	ug/l	0	Screened for detection	-	-	-			<0.01	<0.01	<0.01	-					<0.01	-	-	-
Permethrin II	ug/l	0	Screened for detection	-	-	-			<0.01	<0.01	<0.01	-					<0.01	-	-	-
Quintozene (PCNB)	ug/l	0	Screened for detection	-	-	-			<0.01	<0.01	<0.01	-					<0.01	-	-	-
Tecnazene	ug/l	0	Screened for detection	-	-	-			<0.01	<0.01	<0.01	-					<0.01	-	-	-
Telodrin	ug/l	0	Screened for detection	-	-	-			<0.01	<0.01	<0.01	-					<0.01	-	-	-
trans-Chlordane	ug/l	0	Screened for detection	-	-	-			<0.01	<0.01	<0.01	-					<0.01	-	-	-

			Hole Name	BH342B	BH342B	BH342B	BH346B	BH346B	BH346	BH346B	BH346B	BH346B	BH347B	BH329B	BH329B	BH329B	BH329B	BH329B	BH329B	BH329B
			Sampled Date	30/11/2017	05/12/2017	12/12/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	31/05/2017	30/05/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017
			Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill
			Comment on location	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area
Triadimefon	ug/l	0	Screened for detection	-	-	-			<0.01	<0.01	<0.01	-					<0.01	-	-	-
Triallate	ug/l	0	Screened for detection	-	-	-			<0.01	<0.01	<0.01	-					<0.01	-	-	-
Trifluralin	ug/l	0	Screened for detection	-	-	-			<0.01	<0.01	<0.01	-					<0.01	-	-	-
Organophosphorus Pesticides		0	Screened for detection																	
Azinphos ethyl	ug/l	0	Screened for detection																	
Azinphos methyl	ug/l	0	Screened for detection																	
Carbophenothion	ug/l	0	Screened for detection																	
Chlorfenvinphos	ug/l	0	Screened for detection																	
Chlorpyrifos	ug/l	0	Screened for detection																	
Chlorpyrifos-methyl	ug/l	0	Screened for detection																	
Diazinon	ug/l	0	Screened for detection																	
Dichlorvos	ug/l	0	Screened for detection																	
Disulfoton	ug/l	0	Screened for detection																	
Dimethoate	ug/l	0	Screened for detection																	
Ethion	ug/l	0	Screened for detection																	
Ethyl Parathion (Parathion)	ug/l	0	Screened for detection																	
Etrimphos	ug/l	0	Screened for detection																	
Fenitrothion	ug/l	0	Screened for detection																	
Fenthion	ug/l	0	Screened for detection																	
Malathion	ug/l	0	Screened for detection																	
Methyl Parathion	ug/l	0	Screened for detection																	
Mevinphos	ug/l	0	Screened for detection																	
Phosalone	ug/l	0	Screened for detection																	
Pirimiphos Methyl	ug/l	0	Screened for detection																	
Propetamphos	ug/l	0	Screened for detection																	
Triazophos	ug/l	0	Screened for detection																	
Benazolin	ug/l	0	Screened for detection				<0.1	<0.1					<0.1	<0.1	<0.1	<0.1				
Bentazone	ug/l	0	Screened for detection				<0.1	<0.1					<0.1	<0.1	<0.1	<0.1				
Bromoxynil	ug/l	0	Screened for detection				<0.1	<0.1					<0.1	<0.1	<0.1	<0.1				
Clopyralid	ug/l	0	Screened for detection				<0.1	<0.1					<0.1	<0.1	<0.1	<0.1				
4 - CPA	ug/l	0	Screened for detection				<0.1	<0.1					<0.1	<0.1	<0.1	<0.1				
2,4 - D	ug/l	0	Screened for detection				<0.1	<0.1					<0.1	<0.1	<0.1	<0.1				
2,4 - DB	ug/l	0	Screened for detection				<0.1	<0.1					<0.1	<0.1	<0.1	<0.1				
Dicamba	ug/l	0	Screened for detection				<0.1	<0.1					<0.1	<0.1	<0.1	<0.1				
Dichloroprop	ug/l	0	Screened for detection				<0.1	<0.1					<0.1	<0.1	<0.1	<0.1				
Diclofop	ug/l	0	Screened for detection				<0.1	<0.1					<0.1	<0.1	<0.1	<0.1				
Fenoprop	ug/l	0	Screened for detection				<0.1	<0.1					<0.1	<0.1	<0.1	<0.1				
Flamprop	ug/l	0	Screened for detection				<0.1	<0.1					<0.1	<0.1	<0.1	<0.1				
Flamprop – isopropyl	ug/l	0	Screened for detection				<0.1	<0.1					<0.1	<0.1	<0.1	<0.1				
Ioxynil	ug/l	0	Screened for detection				<0.1	<0.1					<0.1	<0.1	<0.1	<0.1				
MCPA	ug/l	0	Screened for detection				<0.1	<0.1					<0.1	<0.1	<0.1	<0.1				
MCPB	ug/l	0	Screened for detection				<0.1	<0.1					<0.1	<0.1	<0.1	<0.1				
Mecoprop	ug/l	0	Screened for detection				<0.1	<0.1					<0.1	<0.1	<0.1	<0.1				
Picloram	ug/l	0	Screened for detection				<0.1	<0.1					<0.1	<0.1	<0.1	<0.1				
Pentachlorophenol	ug/l	0	Screened for detection				<0.1	<0.1					<0.1	<0.1	<0.1	<0.1				
2,4,5 - T	ug/l	0	Screened for detection				<0.1	<0.1					<0.1	<0.1	<0.1	<0.1				
2,3,6 - TBA	ug/l	0	Screened for detection				<0.1	<0.1					<0.1	<0.1	<0.1	<0.1				

			Hole Name	BH342B	BH342B	BH342B	BH346B	BH346B	BH346	BH346B	BH346B	BH346B	BH347B	BH329B	BH329B	BH329B	BH329B	BH329B	BH329B	BH329B
			Sampled Date	30/11/2017	05/12/2017	12/12/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	31/05/2017	30/05/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017
			Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill
			Comment on location	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area
Triclopyr	ug/l	0	Screened for detection				<0.1	<0.1					<0.1	<0.1	<0.1	<0.1				
Atrazine	ug/l	0	Screened for detection				NA						<0.01	<0.01	NA					
Simazine	ug/l	0	Screened for detection				NA						<0.05	<0.01	NA					
Monuron	ug/l	0	Screened for detection				NA						<0.01	<0.01	NA					
Diuron	ug/l	0	Screened for detection				NA						<0.01	<0.01	NA					
Linuron	ug/l	0	Screened for detection				NA						<0.01	<0.01	NA					
Chlortoluron	ug/l	0	Screened for detection				NA						<0.01	<0.01	NA					
Isoproturon	ug/l	0	Screened for detection				NA						<0.01	<0.01	NA					
Carbetamide	ug/l	0	Screened for detection				NA						<0.1	<0.1	NA					

				Hole Name	BH207	BH208	BH208	BH208	BH208	BH208	BH208	BH333	BH333	BH333	BH333	BH333	BH333	BH205	BH205	BH205	BH205
				Sampled Date	31/05/2017	31/05/2017	05/06/2017	12/06/2017	30/11/2017	05/12/2017	12/12/2017	31/05/2017	06/06/2017	13/06/2017	30/11/2017	05/12/2017	13/12/2017	30/05/2017	05/06/2017	12/06/2017	30/11/2017
				Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
				Geology	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	RTD	RTD	RTD	RTD
				Feature	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill
				Comment on location	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)				
Test	**Units**	**Initial Screen - ing Value**	**Source of Screening Value**																		
pH[1]	pH units	6.5	EQS			NA	NA	7.48	7.84	7.33		NA	NA	7.68	7.81	7.73		NA	NA	7.57
Total Alkalinity, Bicarbonate as CaCO3	mg/l		Indicator only			NA		385	420	380		NA		1100	880	500		NA		330
Dissolved Organic Carbon	mg/l		Indicator only			NA		<3	3.2	<3		NA		<3	3.33	3.11		NA		<3
Chloride	mg/l	250	UK DWS			NA		49.2	-	47.5		NA		38.1	-	39.6		NA		45.4
Nitrate as NO3	mg/l	50	UK DWS			NA		0.635	1.37	1.77		NA		<0.3	<0.3	<0.3		NA		<0.3
Sulphate	mg/l	250	UK DWS			NA	NA	109	119	114		NA	NA	54.4	60.9	54.2		NA	NA	89.5
Ortho Phosphate as PO4 #	mg/l	0.06	Notional standard			NA		<0.05	<0.05	<0.05		NA		<0.05	<0.05	<0.05		NA		<0.05
Ammoniacal Nitrogen as N #	mg/l	0.6	EQS for rivers			NA		<0.2	<0.2	<0.2		NA		<0.2	<0.2	<0.2		NA		0.743
Ortho Phosphate as PO4 #	mg/l	0.06	Previous EQS AA (Good for lowland, hard waters)			NA						NA						NA		
Metals																				
Dissolved Arsenic #	ug/l	50	EQS AA	NA	NA	NA	NA	1.35	<0.5	0.583	NA	NA	NA	<0.5	1.24	1.33	NA	NA	NA	<0.5
Dissolved Boron	ug/l	1000	UK DWS	NA	NA	NA	NA	101	111	98.3	NA	NA	NA	82.4	113	89.2	NA	NA	NA	174
Dissolved Cadmium #	ug/l	0.25	EQS AA (Hard water)	NA	NA	NA	NA	<0.08	-	<0.08	NA	NA	NA	<0.08	-	<0.08	NA	NA	NA	<0.08
Total Dissolved Chromium #	ug/l	3.4	EQS AA for Cr VI	NA	NA	NA	NA	5.23	-	5.67	NA	NA	NA	<1	-	8.21	NA	NA	NA	6.24
Hexavalent Chromium	mg/l	3.4	EQS AA for Cr VI			NA		<0.03	-	<0.03		NA		<0.03	-	<0.03		NA		<0.03
Dissolved Copper #	ug/l	1	Min. EQS AA (Bioavailable)	NA	NA	NA	NA	<0.3	-	0.483	NA	NA	NA	0.551	-	4.6	NA	NA	NA	0.633
Dissolved Lead #	ug/l	1.2	Min. EQS AA (Bioavailable)	NA	NA	NA	NA	<0.2	<0.2	<0.2	NA	NA	NA	<0.2	<0.2	2.82	NA	NA	NA	<0.2
Dissolved Nickel #	ug/l	4	Min. EQS AA (Bioavailable)	NA	NA	NA	NA	2.53	1.83	1.52	NA	NA	NA	1.29	1.71	0.775	NA	NA	NA	1.81
Dissolved Zinc #	ug/l	10.9	Min. EQS AA (Bioavailable)	NA	NA	NA	NA	6.45	2.39	4.22	NA	NA	NA	<1	<1	18.6	NA	NA	NA	4.93
Mercury Dissolved by CVAF	ug/l	0.07	EQS MAC	NA	NA	NA	NA	<0.01	<0.01	<0.01	NA	NA	NA	<0.01	<0.01	0.0561	NA	NA	NA	<0.01
Dissolved Mercury #	ug/l	0.07	EQS MAC			NA		<0.01	<0.01	<0.01		NA		<0.01	<0.01	0.0561		NA		<0.01
Dissolved Calcium #	mg/l		Indicator only			NA		158	160	152		NA		110	98.6	144		NA		135
Dissolved Magnesium #	mg/l		Indicator only			NA		7.53	8.37	7.98		NA		5.48	7.67	4.59		NA		7.39
Dissolved Sodium #	mg/l		Indicator only			NA		37.2	39.6	36.3		NA		26	24.9	25		NA		32.4
Phenols																				
Total Phenols HPLC	mg/l	0.0077	EQS AA			NA						NA						NA		
Phenol	mg/l	0.0077	EQS AA	NA	NA	NA	NA	<0.002	<0.002	<0.002	NA	NA	NA	<0.002	<0.002	<0.002	NA	NA	NA	<0.002
PAH MS																				
Acenaphthylene #	ug/l	0	Screened for detection	NA	NA	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	<0.005
Anthracene #	ug/l	0.1	EQS AA	NA	NA	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	<0.005
Benzo(a)anthracene #	ug/l	0	Screened for detection	NA	NA	NA	NA	<0.005	0.02	0.02	NA	NA	NA	<0.005	0.02	0.01	NA	NA	NA	0.01
Benzo(a)pyrene #	ug/l	0.00017	EQS AA	NA	NA	NA	NA	<0.002	0.01	0.00	NA	NA	NA	<0.002	0.02	0.00	NA	NA	NA	<0.002
Benzo(b)fluoranthene	ug/l	0.017	EQS MAC	NA	NA	NA	NA	<0.005	0.02	<0.005	NA	NA	NA	<0.005	0.04	0.01	NA	NA	NA	<0.005
Benzo(ghi)perylene #	ug/l	0.0082	EQS MAC	NA	NA	NA	NA	<0.005	0.02	0.01	NA	NA	NA	<0.005	0.03	0.02	NA	NA	NA	<0.005
Benzo(k)fluoranthene	ug/l	0.017	EQS MAC	NA	NA	NA	NA	<0.005	0.01	<0.005	NA	NA	NA	<0.005	0.02	0.01	NA	NA	NA	<0.005
Chrysene #	ug/l	0	Screened for detection	NA	NA	NA	NA	<0.005	0.02	0.01	NA	NA	NA	<0.005	0.02	0.01	NA	NA	NA	0.01
Dibenzo(ah)anthracene #	ug/l	0	Screened for detection	NA	NA	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	<0.005
Fluoranthene #	ug/l	0.0063	EQS AA	NA	NA	NA	NA	<0.005	0.02	0.01	NA	NA	NA	<0.005	0.03	0.01	NA	NA	NA	0.01
Fluorene #	ug/l	0	Screened for detection	NA	NA	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	<0.005
Indeno(123cd)pyrene #	ug/l	0	Screened for detection	NA	NA	NA	NA	<0.005	0.01	<0.005	NA	NA	NA	<0.005	0.01	<0.005	NA	NA	NA	<0.005
Naphthalene #	ug/l	2	EQS AA	NA	NA	NA	NA	0.01	<0.01	0.03	NA	NA	NA	<0.01	0.02	0.01	NA	NA	NA	0.01

			Hole Name	BH207	BH208	BH208	BH208	BH208	BH208	BH208	BH333	BH333	BH333	BH333	BH333	BH333	BH205	BH205	BH205	BH205
			Sampled Date	31/05/2017	31/05/2017	05/06/2017	12/06/2017	30/11/2017	05/12/2017	12/12/2017	31/05/2017	06/06/2017	13/06/2017	30/11/2017	05/12/2017	13/12/2017	30/05/2017	05/06/2017	12/06/2017	30/11/2017
			Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
			Geology	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	RTD	RTD	RTD	RTD
			Feature	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill
			Comment on location	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)				
Phenanthrene #	ug/l	0	Screened for detection	NA	NA	NA	NA	<0.005	0.01	<0.005	NA	NA	NA	<0.005	0.02	0.01	NA	NA	NA	0.01
Pyrene #	ug/l	0	Screened for detection	NA	NA	NA	NA	0.01	0.02	0.01	NA	NA	NA	0.01	0.03	0.02	NA	NA	NA	0.01
PAH 16 Total #	ug/l		n/a -sum of above	NA	NA	NA	NA	<0.082	0.18	0.09	NA	NA	NA	<0.082	0.26	0.11	NA	NA	NA	<0.082
PAH, Total Detected USEPA 16 (	µg/l							<0.082	0.18	0.09				<0.082	0.26	0.11				<0.082
Benzo(bk)fluoranthene #	ug/l	0	Screened for detection	NA	NA	NA	NA				NA	NA	NA				NA	NA	NA	
Acenaphthene #	ug/l	0	Screened for detection	NA	NA	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	<0.005
2-Chloronaphthalene #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
2-Methylnaphthalene #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
Naphthalene #	ug/l	2	UK EQS AA	<1	<1	<1	<1	0.01	<0.01	0.03	<1	<1	<1	<0.01	0.02	0.01	<1	<1	<1	0.01
Acenaphthylene #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.005
Acenaphthene #	ug/l	0	Screened for detection	<1	<1	<1	<1	<0.005	<0.005	<0.005	<1	<1	<1	<0.005	<0.005	<0.005	<1	<1	<1	<0.005
Fluorene #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.005
Phenanthrene #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<0.5	<0.005	0.01	<0.005	<0.5	<0.5	<0.5	<0.005	0.02	0.01	<0.5	<0.5	<0.5	0.01
Anthracene #	ug/l	0.1	EQS AA	<0.5	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.005
Fluoranthene #	ug/l	0.0063	EQS AA	<0.5	<0.5	<0.5	<0.5	<0.005	0.02	0.01	<0.5	<0.5	<0.5	<0.005	0.03	0.01	<0.5	<0.5	<0.5	0.01
Pyrene #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<0.5	0.01	0.02	0.01	<0.5	<0.5	<0.5	0.01	0.03	0.02	<0.5	<0.5	<0.5	0.01
Benzo(a)anthracene #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<0.5	<0.005	0.02	0.02	<0.5	<0.5	<0.5	<0.005	0.02	0.01	<0.5	<0.5	<0.5	0.01
Chrysene #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<0.5	<0.005	0.02	0.01	<0.5	<0.5	<0.5	<0.005	0.02	0.01	<0.5	<0.5	<0.5	0.01
Benzo(bk)fluoranthene #	ug/l	0	Screened for detection	<1	<1	<1	<1				<1	<1	<1				<1	<1	<1	
Benzo(a)pyrene	ug/l	0.00017	EQS AA	<1	<1	<1	<1	<0.002	0.01	0.00	<1	<1	<1	<0.002	0.02	0.00	<1	<1	<1	<0.002
Indeno(123cd)pyrene	ug/l	0	Screened for detection	<1	<1	<1	<1	<0.005	0.01	<0.005	<1	<1	<1	<0.005	0.01	<0.005	<1	<1	<1	<0.005
Dibenzo(ah)anthracene #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.005
Benzo(ghi)perylene #	ug/l	0.0082	EQS MAC	<0.5	<0.5	<0.5	<0.5	<0.005	0.02	0.01	<0.5	<0.5	<0.5	<0.005	0.03	0.02	<0.5	<0.5	<0.5	<0.005
Benzo(b)fluoranthene (aq)	µg/l	0.017	EQS MAC					-	-	-				-	-	-				-
Benzo(k)fluoranthene (aq)	µg/l	0.017	EQS MAC					-	-	-				-	-	-				-
TPH CWG																				
Aliphatics																				
>C5-C6 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10	<10	<10	-
>C6-C8 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10	<10	<10	-
>C8-C10 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	-	-	-	<10	55	<10	-	-	-	<10	<10	<10	-
>C10-C12 #	ug/l	10	EQS AA for Benzene	<5	<5	<5	<5	-	-	-	<5	<5	<5	-	-	-	<5	<5	<5	-
>C12-C16 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10	<10	<10	-
>C16-C21 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10	<10	<10	-
>C21-C35 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10	<10	<10	-
Total aliphatics C5-35 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10				<10	55	<10				<10	<10	<10	
Total Aliphatics >C12-C35 (aq)	ug/l	10	EQS AA for Benzene					-	-	-				-	-	-				-
Aromatics																				
>C5-EC7 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10	<10	<10	-
>EC7-EC8 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10	<10	<10	-
>EC8-EC10 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10	<10	<10	-
>EC10-EC12 #	ug/l	10	EQS AA for Benzene	<5	<5	<5	<5	-	-	-	<5	<5	<5	-	-	-	<5	<5	<5	-
>EC12-EC16 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10	<10	<10	-
>EC16-EC21 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10	<10	<10	-
>EC21-EC35 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10	<10	<10	-

				Hole Name	BH207	BH208	BH208	BH208	BH208	BH208	BH208	BH333	BH333	BH333	BH333	BH333	BH333	BH205	BH205	BH205	BH205
				Sampled Date	31/05/2017	31/05/2017	05/06/2017	12/06/2017	30/11/2017	05/12/2017	12/12/2017	31/05/2017	06/06/2017	13/06/2017	30/11/2017	05/12/2017	13/12/2017	30/05/2017	05/06/2017	12/06/2017	30/11/2017
				Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
				Geology	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	RTD	RTD	RTD	RTD
				Feature	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill
				Comment on location	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)				
Total Aromatics >EC12-EC35 (ac	µg/l	10	EQS AA for Benzene					-	-	-				-	-	-				-
Total aromatics C5-35 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10				<10	<10	<10				<10	<10	<10	
Total aliphatics and aromatics(C5-35) #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	-	-	-	<10	55	<10	-	-	-	<10	<10	<10	-
Aliphatics >C16-C35 Aqueous	µg/l	10	EQS AA for Benzene					-	-	-				-	-	-				-
GRO >C5-C12	µg/l	10	EQS AA for Benzene					-	-	-				-	-	-				-
BTEX/MTBE MS																					
Methyl Tertiary Butyl Ether #	ug/l	10	EQS AA for Benzene	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	-
Benzene #	ug/l	10	EQS AA for Benzene	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-
Toluene #	ug/l	10	EQS AA for Benzene	<5	<5	<5	<5	-	-	-	<5	<5	<5	-	-	-	<5	<5	<5	-
Ethylbenzene #	ug/l	10	EQS AA for Benzene	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
p/m-Xylene #	ug/l	10	EQS AA for Benzene	<2	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	<2	<2	<2	-
o-Xylene #	ug/l	10	EQS AA for Benzene	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
Sum of detected Xylenes	ug/l	10	EQS AA for Benzene					-	-	-				-	-	-				-
Sum of detected BTEX	ug/l	10	EQS AA for Benzene					-	-	-				-	-	-				-
MTBE #	ug/l	10	EQS AA for Benzene			NA						NA						NA		
Benzene #	ug/l	10	EQS AA for Benzene			NA						NA						NA		
Toluene #	ug/l	10	EQS AA for Benzene			NA						NA						NA		
Ethylbenzene #	ug/l	10	EQS AA for Benzene			NA						NA						NA		
m/p-Xylene #	ug/l	10	EQS AA for Benzene			NA						NA						NA		
o-Xylene #	ug/l	10	EQS AA for Benzene			NA						NA						NA		
VOC MS																					
1,1,1,2-Tetrachloroethane #	ug/l	0	Screened for detection	<2	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	<2	<2	<2	-
1,1,1-Trichloroethane #	ug/l	0	Screened for detection	<2	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	<2	<2	<2	-
1,1,2,2-Tetrachloroethane	ug/l	0	Screened for detection	<4	<4	<4	<4	-	-	-	<4	<4	<4	-	-	-	<4	<4	<4	-
1,1,2-Trichloroethane #	ug/l	0	Screened for detection	<2	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	<2	<2	<2	-
1,1-Dichloroethane #	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-
1,1-Dichloroethene (1,1 DCE) #	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-
1,1-Dichloropropene #	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-
1,2,3-Trichlorobenzene	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-
1,2,3-Trichloropropane #	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-
1,2,4-Trichlorobenzene	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-
1,2,4-Trimethylbenzene #	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-
1,2-Dibromo-3-chloropropane	ug/l	0	Screened for detection	<2	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	<2	<2	<2	-
1,2-Dibromoethane #	ug/l	0	Screened for detection	<2	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	<2	<2	<2	-
1,2-Dichlorobenzene #	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-
1,2-Dichloroethane #	ug/l	0	Screened for detection	<2	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	<2	<2	<2	-
1,2-Dichloropropane #	ug/l	0	Screened for detection	<2	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	<2	<2	<2	-
1,3,5-Trichlorobenzene	µg/l	0	Screened for detection					-	-	-				-	-	-				-
1,3,5-Trimethylbenzene #	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-
1,3-Dichlorobenzene #	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-
1,3-Dichloropropane #	ug/l	0	Screened for detection	<2	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	<2	<2	<2	-
1,4-Dichlorobenzene #	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-
2,2-Dichloropropane	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
2-Chlorotoluene #	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-
4-Chlorotoluene #	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-
4-Isopropyltoluene #	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-

				Hole Name	BH207	BH208	BH208	BH208	BH208	BH208	BH208	BH333	BH333	BH333	BH333	BH333	BH333	BH205	BH205	BH205	BH205
				Sampled Date	31/05/2017	31/05/2017	05/06/2017	12/06/2017	30/11/2017	05/12/2017	12/12/2017	31/05/2017	06/06/2017	13/06/2017	30/11/2017	05/12/2017	13/12/2017	30/05/2017	05/06/2017	12/06/2017	30/11/2017
				Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
				Geology	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	RTD	RTD	RTD	RTD
				Feature	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill
				Comment on location	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)				
Benzene #	ug/l	10	UK EQS AA	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-
Bromobenzene #	ug/l	0	Screened for detection	<2	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	<2	<2	<2	-
Bromochloromethane #	ug/l	0	Screened for detection	<2	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	<2	<2	<2	-
Bromodichloromethane #	ug/l	0	Screened for detection	<2	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	<2	<2	<2	-
Bromoform #	ug/l	0	Screened for detection	<2	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	<2	<2	<2	-
Bromomethane	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
Carbon disulphide	µg/l	0	Screened for detection					-	-	-				-	-	-				-
Carbon tetrachloride #	ug/l	0	Screened for detection	<2	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	<2	<2	<2	-
Chlorobenzene #	ug/l	0	Screened for detection	<2	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	<2	<2	<2	-
Chloroethane #	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-
Chloroform #	ug/l	0	Screened for detection	<2	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	<2	<2	<2	-
Chloromethane #	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-
cis-1-2-Dichloroethene #	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-
cis-1-3-Dichloropropene	ug/l	0	Screened for detection	<2	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	<2	<2	<2	-
Dibromochloromethane #	ug/l	0	Screened for detection	<2	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	<2	<2	<2	-
Dibromomethane #	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-
Dichlorodifluoromethane	ug/l	0	Screened for detection	<2	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	<2	<2	<2	-
Dichloromethane (DCM) #	ug/l	0	Screened for detection	<5	<5	<5	<5	-	-	-	<5	<5	<5	-	-	-	<5	<5	<5	-
Ethylbenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
Hexachlorobutadiene	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-
Isopropylbenzene #	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-
Methyl Tertiary Butyl Ether #	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	-
Naphthalene	ug/l	0	Screened for detection	<2	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	<2	<2	<2	-
n-Butylbenzene #	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-
o-Xylene #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
p/m-Xylene #	ug/l	0	Screened for detection	<2	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	<2	<2	<2	-
Propylbenzene #	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-
sec-Butylbenzene #	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-
Styrene	ug/l	0	Screened for detection	<2	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	<2	<2	<2	-
tert-Amyl methyl ether (TAME)	µg/l	0	Screened for detection					-	-	-				-	-	-				-
tert-Butylbenzene #	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-
Tetrachloroethene (PCE) #	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-
Toluene #	ug/l	0	Screened for detection	<5	<5	<5	<5	-	-	-	<5	<5	<5	-	-	-	<5	<5	<5	-
trans-1-2-Dichloroethene #	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-
trans-1-3-Dichloropropene	ug/l	0	Screened for detection	<2	<2	<2	<2	-	-	-	<2	<2	<2	-	-	-	<2	<2	<2	-
Trichloroethene (TCE) #	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-
Trichlorofluoromethane #	ug/l	0	Screened for detection	<3	<3	<3	<3	-	-	-	<3	<3	<3	-	-	-	<3	<3	<3	-
Vinyl Chloride #	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	-
SVOC MS																				
Phenols																				
2-Chlorophenol #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
2-Methylphenol #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-
2-Nitrophenol	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-
2,4-Dichlorophenol #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-
2,4-Dimethylphenol	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
2,4,5-Trichlorophenol #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-
2,4,6-Trichlorophenol	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-

			Hole Name	BH207	BH208	BH208	BH208	BH208	BH208	BH208	BH333	BH333	BH333	BH333	BH333	BH333	BH205	BH205	BH205	BH205
			Sampled Date	31/05/2017	31/05/2017	05/06/2017	12/06/2017	30/11/2017	05/12/2017	12/12/2017	31/05/2017	06/06/2017	13/06/2017	30/11/2017	05/12/2017	13/12/2017	30/05/2017	05/06/2017	12/06/2017	30/11/2017
			Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
			Geology	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	RTD	RTD	RTD	RTD
			Feature	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill
			Comment on location	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)				
4-Chloro-3-methylphenol #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-
4-Methylphenol	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
4-Nitrophenol	ug/l	0	Screened for detection	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10	<10	<10	-
Pentachlorophenol	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
Phenol	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
PAHs																				
Phthalates																				
Bis(2-ethylhexyl) phthalate	ug/l	0	Screened for detection	<5	<5	<5	<5	-	-	-	<5	<5	<5	-	-	-	<5	<5	<5	-
Butylbenzyl phthalate	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
Di-n-butyl phthalate #	ug/l	0	Screened for detection	<1.5	<1.5	<1.5	<1.5	-	-	-	<1.5	<1.5	<1.5	-	-	-	<1.5	<1.5	<1.5	-
Di-n-Octyl phthalate	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
Diethyl phthalate #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
Dimethyl phthalate	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
Other SVOCs																				
1,2-Dichlorobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
1,2,4-Trichlorobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
1,3-Dichlorobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
1,4-Dichlorobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
2-Nitroaniline	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
2,4-Dinitrotoluene #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-
2,6-Dinitrotoluene	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
3-Nitroaniline	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
4-Bromophenylphenylether #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
4-Chloroaniline	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
4-Chlorophenylphenylether #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
4-Nitroaniline	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-
Azobenzene #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-
Bis(2-chloroethoxy)methane #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-
Bis(2-chloroethyl)ether #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
Carbazole #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-
Dibenzofuran #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-
Hexachlorobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
Hexachlorobutadiene #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
Hexachlorocyclopentadiene	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
Hexachloroethane #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
Isophorone #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-
N-nitrosodi-n-propylamine #	ug/l	0	Screened for detection	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-
Nitrobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	-	-	-	<1	<1	<1	-	-	-	<1	<1	<1	-
PCBs:																				
PCB 28	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	-
PCB 52	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	-
PCB 101	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	-
PCB 105	µg/l	0	Screened for detection					-	-	-				-	-	-				-
PCB 114	µg/l	0	Screened for detection					-	-	-				-	-	-				-
PCB 118	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	-
PCB 123	µg/l	0	Screened for detection					-	-	-				-	-	-				-

				Hole Name	BH207	BH208	BH208	BH208	BH208	BH208	BH208	BH333	BH333	BH333	BH333	BH333	BH333	BH205	BH205	BH205	BH205
				Sampled Date	31/05/2017	31/05/2017	05/06/2017	12/06/2017	30/11/2017	05/12/2017	12/12/2017	31/05/2017	06/06/2017	13/06/2017	30/11/2017	05/12/2017	13/12/2017	30/05/2017	05/06/2017	12/06/2017	30/11/2017
				Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
				Geology	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	RTD	RTD	RTD	RTD
				Feature	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill
				Comment on location	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)				
PCB 126	µg/l	0	Screened for detection						-	-	-				-	-	-				-
PCB 138	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	-
PCB 153	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	-
PCB 156	µg/l	0	Screened for detection					-	-	-				-	-	-				-
PCB 157	µg/l	0	Screened for detection					-	-	-				-	-	-				-
PCB 167	µg/l	0	Screened for detection					-	-	-				-	-	-				-
PCB 169	µg/l	0	Screened for detection					-	-	-				-	-	-				-
PCB 180	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	<0.1	-
PCB 189	µg/l	0	Screened for detection					-	-	-				-	-	-				-
PCB congener 77	µg/l	0	Screened for detection					-	-	-				-	-	-				-
PCB congener 81	µg/l	0	Screened for detection					-	-	-				-	-	-				-
Total 7 PCBs	ug/l	0	Screened for detection	<0.7	<0.7	<0.7	<0.7				<0.7	<0.7	<0.7				<0.7	<0.7	<0.7	
Sum of detected EC7 PCB's	µg/l	0	Screened for detection					-	-	-				-	-	-				-
Pesticides																				
Organochlorine Pesticides																				
Aldrin	ug/l	0	Screened for detection					-	-	-				-	-	-				-
Alpha-HCH (BHC)	ug/l	0	Screened for detection					-	-	-				-	-	-				-
Beta-HCH (BHC)	ug/l	0	Screened for detection					-	-	-				-	-	-				-
Chlorothalonil	ug/l	0	Screened for detection					-	-	-				-	-	-				-
cis-Chlordane	ug/l	0	Screened for detection					-	-	-				-	-	-				-
Delta-HCH (BHC)	ug/l	0	Screened for detection					-	-	-				-	-	-				-
Dieldrin	ug/l	0	Screened for detection					-	-	-				-	-	-				-
Disulfoton	µg/l	0	Screened for detection					-	-	-				-	-	-				-
Endosulphan I	ug/l	0	Screened for detection					-	-	-				-	-	-				-
Endosulphan II	ug/l	0	Screened for detection					-	-	-				-	-	-				-
Endosulphan sulphate	ug/l	0	Screened for detection					-	-	-				-	-	-				-
Endrin	ug/l	0	Screened for detection					-	-	-				-	-	-				-
Gamma-HCH (BHC)	ug/l	0	Screened for detection					-	-	-				-	-	-				-
Heptachlor	ug/l	0	Screened for detection					-	-	-				-	-	-				-
Heptachlor Epoxide	ug/l	0	Screened for detection					-	-	-				-	-	-				-
Hexachlorobenzene	ug/l	0	Screened for detection					-	-	-				-	-	-				-
Isodrin	ug/l	0	Screened for detection					-	-	-				-	-	-				-
o,p'-DDE	ug/l	0	Screened for detection					-	-	-				-	-	-				-
o,p'-DDT	ug/l	0	Screened for detection					-	-	-				-	-	-				-
o,p'-Methoxychlor	ug/l	0	Screened for detection					-	-	-				-	-	-				-
o,p'-TDE	ug/l	0	Screened for detection					-	-	-				-	-	-				-
p,p'-DDE	ug/l	0	Screened for detection					-	-	-				-	-	-				-
p,p'-DDT	ug/l	0	Screened for detection					-	-	-				-	-	-				-
p,p'-Methoxychlor	ug/l	0	Screened for detection					-	-	-				-	-	-				-
p,p'-TDE	ug/l	0	Screened for detection					-	-	-				-	-	-				-
Pendimethalin	ug/l	0	Screened for detection					-	-	-				-	-	-				-
Permethrin I	ug/l	0	Screened for detection					-	-	-				-	-	-				-
Permethrin II	ug/l	0	Screened for detection					-	-	-				-	-	-				-
Quintozene (PCNB)	ug/l	0	Screened for detection					-	-	-				-	-	-				-
Tecnazene	ug/l	0	Screened for detection					-	-	-				-	-	-				-
Telodrin	ug/l	0	Screened for detection					-	-	-				-	-	-				-
trans-Chlordane	ug/l	0	Screened for detection					-	-	-				-	-	-				-

			Hole Name	BH207	BH208	BH208	BH208	BH208	BH208	BH208	BH333	BH333	BH333	BH333	BH333	BH333	BH205	BH205	BH205	BH205
			Sampled Date	31/05/2017	31/05/2017	05/06/2017	12/06/2017	30/11/2017	05/12/2017	12/12/2017	31/05/2017	06/06/2017	13/06/2017	30/11/2017	05/12/2017	13/12/2017	30/05/2017	05/06/2017	12/06/2017	30/11/2017
			Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
			Geology	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	RTD	RTD	RTD	RTD
			Feature	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill
			Comment on location	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)				
Triadimefon	ug/l	0	Screened for detection					-	-	-				-	-	-				-
Triallate	ug/l	0	Screened for detection					-	-	-				-	-	-				-
Trifluralin	ug/l	0	Screened for detection					-	-	-				-	-	-				-
Organophosphorus Pesticides		0	Screened for detection																	
Azinphos ethyl	ug/l	0	Screened for detection																	
Azinphos methyl	ug/l	0	Screened for detection																	
Carbophenothion	ug/l	0	Screened for detection																	
Chlorfenvinphos	ug/l	0	Screened for detection																	
Chlorpyrifos	ug/l	0	Screened for detection																	
Chlorpyrifos-methyl	ug/l	0	Screened for detection																	
Diazinon	ug/l	0	Screened for detection																	
Dichlorvos	ug/l	0	Screened for detection																	
Disulfoton	ug/l	0	Screened for detection																	
Dimethoate	ug/l	0	Screened for detection																	
Ethion	ug/l	0	Screened for detection																	
Ethyl Parathion (Parathion)	ug/l	0	Screened for detection																	
Etrimphos	ug/l	0	Screened for detection																	
Fenitrothion	ug/l	0	Screened for detection																	
Fenthion	ug/l	0	Screened for detection																	
Malathion	ug/l	0	Screened for detection																	
Methyl Parathion	ug/l	0	Screened for detection																	
Mevinphos	ug/l	0	Screened for detection																	
Phosalone	ug/l	0	Screened for detection																	
Pirimiphos Methyl	ug/l	0	Screened for detection																	
Propetamphos	ug/l	0	Screened for detection																	
Triazophos	ug/l	0	Screened for detection																	
Benazolin	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	
Bentazone	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	
Bromoxynil	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	
Clopyralid	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	
4 - CPA	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	
2,4 - D	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	
2,4 - DB	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	
Dicamba	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	
Dichloroprop	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	
Diclofop	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	
Fenoprop	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	
Flamprop	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	
Flamprop – isopropyl	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	
Ioxynil	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	
MCPA	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	
MCPB	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	
Mecoprop	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	
Picloram	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	
Pentachlorophenol	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	
2,4,5 - T	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	
2,3,6 - TBA	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	

			Hole Name	BH207	BH208	BH208	BH208	BH208	BH208	BH208	BH333	BH333	BH333	BH333	BH333	BH333	BH205	BH205	BH205	BH205
			Sampled Date	31/05/2017	31/05/2017	05/06/2017	12/06/2017	30/11/2017	05/12/2017	12/12/2017	31/05/2017	06/06/2017	13/06/2017	30/11/2017	05/12/2017	13/12/2017	30/05/2017	05/06/2017	12/06/2017	30/11/2017
			Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
			Geology	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC	RTD	RTD	RTD	RTD
			Feature	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (E) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill
			Comment on location	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	In landfilled area	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)	(Just S of landfill)				
Triclopyr	ug/l	0	Screened for detection	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				<0.1	<0.1	<0.1	
Atrazine	ug/l	0	Screened for detection	<0.01	NA	NA					<0.01	NA					NA	NA		
Simazine	ug/l	0	Screened for detection	<0.01	NA	NA					<0.01	NA					NA	NA		
Monuron	ug/l	0	Screened for detection	<0.01	NA	NA					<0.01	NA					NA	NA		
Diuron	ug/l	0	Screened for detection	<0.01	NA	NA					<0.01	NA					NA	NA		
Linuron	ug/l	0	Screened for detection	<0.01	NA	NA					<0.01	NA					NA	NA		
Chlortoluron	ug/l	0	Screened for detection	<0.01	NA	NA					<0.01	NA					NA	NA		
Isoproturon	ug/l	0	Screened for detection	<0.01	NA	NA					<0.01	NA					NA	NA		
Carbetamide	ug/l	0	Screened for detection	<0.1	NA	NA					<0.1	NA					NA	NA		

				Hole Name	BH205	BH205	BH326B	BH326B	BH326B	BH326B	BH326B	BH326B	BH328	BH328B	BH328B	BH328B	BH328B	BH328B	BH328B	BH345B	BH345B
				Sampled Date	05/12/2017	12/12/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	17/11/2017	30/05/2017	05/06/2017	12/06/2017	30/11/2017	05/12/2017	12/12/2017	30/05/2017	05/06/2017
				Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill
				Comment on location			In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area
Test	**Units**	**Initial Screen - ing Value**	**Source of Screening Value**																		
pH[1]	pH units	6.5	EQS	7.78	7.71	NA	7.34	7.59	7.56	7.53	8.02	7.33				7.41	7.05	7.32		NA
Total Alkalinity, Bicarbonate as CaCO3	mg/l		Indicator only	360	315	NA		275	310	885	270	1560		NA	7.11	1580	1040	680		NA
Dissolved Organic Carbon	mg/l		Indicator only	<3	<3	NA		3.35	3.49	3.44	<3	3.69		NA		3.59	<3	<3		NA
Chloride	mg/l	250	UK DWS	-	47	NA		51.6	45.8	-	47.4	63.4		NA		61.4	-	61.5		NA
Nitrate as NO3	mg/l	50	UK DWS	1.2	0.695	NA		<0.3	<0.3	<0.3	<0.3	0.897		NA		<0.3	<0.3	<0.3		NA
Sulphate	mg/l	250	UK DWS	93	88.3	NA	76.1	65	62.4	74.6	59.8	94.7		NA		99.9	98.5	97.1		NA
Ortho Phosphate as PO4 #	mg/l	0.06	Notional standard	<0.05	<0.05	NA		<0.05	<0.05	<0.05	<0.05	<0.05		NA		<0.05	<0.05	<0.05		NA
Ammoniacal Nitrogen as N #	mg/l	0.6	EQS for rivers	0.64	0.82	NA		0.205	<0.2	<0.2	0.258	2.81		NA		3	2.82	2.93		NA
Ortho Phosphate as PO4 #	mg/l	0.06	Previous EQS AA (Good for lowland, hard waters)			NA								NA						NA
Metals																				
Dissolved Arsenic #	ug/l	50	EQS AA	0.647	0.738	NA	NA	<0.5	1.19	1.1	1.6	<0.5	NA	NA	NA	<0.5	0.783	1.51	NA	NA
Dissolved Boron	ug/l	1000	UK DWS	137	129	NA	NA	65.7	73.7	87.5	60.6	172	NA	NA	NA	206	162	142	NA	NA
Dissolved Cadmium #	ug/l	0.25	EQS AA (Hard water)	-	<0.08	NA	NA	<0.08	<0.08	-	<0.08	<0.08	NA	NA	NA	<0.08	-	<0.08	NA	NA
Total Dissolved Chromium #	ug/l	3.4	EQS AA for Cr VI	-	<1	NA	NA	<1	<1	-	6.3	<1	NA	NA	NA	<1	-	7.6	NA	NA
Hexavalent Chromium	mg/l	3.4	EQS AA for Cr VI	-	<0.03	NA		<0.03	<0.03	-	<0.03	<0.03		NA		<0.03	-	<0.03		NA
Dissolved Copper #	ug/l	1	Min. EQS AA (Bioavailable)	-	0.815	NA	NA	1.68	0.572	-	2.65	0.542	NA	NA	NA	0.98	-	2.23	NA	NA
Dissolved Lead #	ug/l	1.2	Min. EQS AA (Bioavailable)	0.599	<0.2	NA	NA	<0.2	<0.2	<0.2	0.614	<0.2	NA	NA	NA	<0.2	<0.2	1.23	NA	NA
Dissolved Nickel #	ug/l	4	Min. EQS AA (Bioavailable)	1.8	2.52	NA	NA	2.95	2.31	2.09	1.88	2.73	NA	NA	NA	3.61	2.78	3.08	NA	NA
Dissolved Zinc #	ug/l	10.9	Min. EQS AA (Bioavailable)	16.2	8.67	NA	NA	8.37	11.1	2.75	11	1.5	NA	NA	NA	1.19	<1	7.35	NA	NA
Mercury Dissolved by CVAF	ug/l	0.07	EQS MAC	0.0143	<0.01	NA	NA	<0.01	<0.01	<0.01	<0.01	<0.01	NA	NA	NA	<0.01	<0.01	0.0562	NA	NA
Dissolved Mercury #	ug/l	0.07	EQS MAC	0.0143	<0.01	NA		<0.01	<0.01	<0.01	<0.01	<0.01		NA		<0.01	<0.01	0.0562		NA
Dissolved Calcium #	mg/l		Indicator only	129	124	NA		119	113	125	103	148		NA		150	142	162		NA
Dissolved Magnesium #	mg/l		Indicator only	7.28	6.96	NA		5.89	5.51	6.37	5.04	6.94		NA		7.07	6.99	7.07		NA
Dissolved Sodium #	mg/l		Indicator only	30.5	29.3	NA		32	31.9	31.8	27.9	47.4		NA		49.9	46.2	45.4		NA
Phenols																				
Total Phenols HPLC	mg/l	0.0077	EQS AA			NA								NA						NA
Phenol	mg/l	0.0077	EQS AA	<0.002	<0.002	NA	NA	<0.002	<0.002	<0.002	<0.002	<0.002	NA	NA	NA	<0.002	<0.002	<0.002	NA	NA
PAH MS																				
Acenaphthylene #	ug/l	0	Screened for detection	<0.005	<0.005	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	<0.025	<0.005	<0.005	NA	NA
Anthracene #	ug/l	0.1	EQS AA	<0.005	<0.005	NA	NA	<0.005	<0.005	0.01	<0.005	0.01	NA	NA	NA	<0.025	<0.005	<0.005	NA	NA
Benzo(a)anthracene #	ug/l	0	Screened for detection	0.03	0.02	NA	NA	0.01	<0.005	0.02	<0.005	0.01	NA	NA	NA	<0.025	0.02	0.01	NA	NA
Benzo(a)pyrene #	ug/l	0.00017	EQS AA	0.03	0.01	NA	NA	0.00	<0.002	0.01	<0.002	0.01	NA	NA	NA	<0.01	0.02	0.00	NA	NA
Benzo(b)fluoranthene	ug/l	0.017	EQS MAC	0.04	0.02	NA	NA	0.01	<0.005	0.03	<0.005	0.03	NA	NA	NA	<0.025	0.03	<0.005	NA	NA
Benzo(ghi)perylene #	ug/l	0.0082	EQS MAC	0.03	0.02	NA	NA	<0.005	<0.005	0.02	<0.005	0.02	NA	NA	NA	<0.025	0.02	0.01	NA	NA
Benzo(k)fluoranthene	ug/l	0.017	EQS MAC	0.02	0.01	NA	NA	<0.005	<0.005	0.01	<0.005	0.01	NA	NA	NA	<0.025	0.02	<0.005	NA	NA
Chrysene #	ug/l	0	Screened for detection	0.03	0.02	NA	NA	0.01	<0.005	0.02	<0.005	0.01	NA	NA	NA	<0.025	0.02	0.01	NA	NA
Dibenzo(ah)anthracene #	ug/l	0	Screened for detection	<0.005	<0.005	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	<0.025	<0.005	<0.005	NA	NA
Fluoranthene #	ug/l	0.0063	EQS AA	0.04	0.02	NA	NA	0.01	<0.005	0.03	0.01	0.02	NA	NA	NA	<0.025	0.02	0.02	NA	NA
Fluorene #	ug/l	0	Screened for detection	<0.005	<0.005	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	<0.025	<0.005	<0.005	NA	NA
Indeno(123cd)pyrene #	ug/l	0	Screened for detection	0.02	<0.005	NA	NA	<0.005	<0.005	0.01	<0.005	0.01	NA	NA	NA	<0.025	0.01	<0.005	NA	NA
Naphthalene #	ug/l	2	EQS AA	<0.01	<0.01	NA	NA	0.01	0.01	<0.01	0.01	0.03	NA	NA	NA	0.13	<0.01	0.01	NA	NA

			Hole Name	BH205	BH205	BH326B	BH326B	BH326B	BH326B	BH326B	BH326B	BH328	BH328B	BH328B	BH328B	BH328B	BH328B	BH328B	BH345B	BH345B
			Sampled Date	05/12/2017	12/12/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	17/11/2017	30/05/2017	05/06/2017	12/06/2017	30/11/2017	05/12/2017	12/12/2017	30/05/2017	05/06/2017
			Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill
			Comment on location			In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area
Phenanthrene #	ug/l	0	Screened for detection	0.02	0.01	NA	NA	0.01	<0.005	0.01	<0.005	0.01	NA	NA	NA	<0.025	0.01	<0.005	NA	NA
Pyrene #	ug/l	0	Screened for detection	0.05	0.02	NA	NA	0.01	<0.005	0.03	0.01	0.02	NA	NA	NA	<0.025	0.03	0.02	NA	NA
PAH 16 Total #	ug/l		n/a -sum of above	0.32	0.14	NA	NA	<0.082	<0.082	0.19	<0.082	0.19	NA	NA	NA	<0.41	0.19	<0.082	NA	NA
PAH, Total Detected USEPA 16 (	µg/l			0.32	0.14			<0.082	<0.082	0.19	<0.082	0.19				<0.41	0.19	<0.082		
Benzo(bk)fluoranthene #	ug/l	0	Screened for detection			NA	NA						NA	NA	NA				NA	NA
Acenaphthene #	ug/l	0	Screened for detection	<0.005	<0.005	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	<0.025	<0.005	<0.005	NA	NA
2-Chloronaphthalene #	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
2-Methylnaphthalene #	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
Naphthalene #	ug/l	2	UK EQS AA	<0.01	<0.01	<1	<1	0.01	0.01	<0.01	0.01	0.03	<1	<1	<1	0.13	<0.01	0.01	<1	<1
Acenaphthylene #	ug/l	0	Screened for detection	<0.005	<0.005	<0.5	<0.5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.025	<0.005	<0.005	<0.5	<0.5
Acenaphthene #	ug/l	0	Screened for detection	<0.005	<0.005	<1	<1	<0.005	<0.005	<0.005	<0.005	<0.005	<1	<1	<1	<0.025	<0.005	<0.005	<1	<1
Fluorene #	ug/l	0	Screened for detection	<0.005	<0.005	<0.5	<0.5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.025	<0.005	<0.005	<0.5	<0.5
Phenanthrene #	ug/l	0	Screened for detection	0.02	0.01	<0.5	<0.5	0.01	<0.005	0.01	<0.005	0.01	<0.5	<0.5	<0.5	<0.025	0.01	<0.005	<0.5	<0.5
Anthracene #	ug/l	0.1	EQS AA	<0.005	<0.005	<0.5	<0.5	<0.005	<0.005	0.01	<0.005	0.01	<0.5	<0.5	<0.5	<0.025	<0.005	<0.005	<0.5	<0.5
Fluoranthene #	ug/l	0.0063	EQS AA	0.04	0.02	<0.5	<0.5	0.01	<0.005	0.03	0.01	0.02	<0.5	<0.5	<0.5	<0.025	0.02	0.02	<0.5	<0.5
Pyrene #	ug/l	0	Screened for detection	0.05	0.02	<0.5	<0.5	0.01	<0.005	0.03	0.01	0.02	<0.5	<0.5	<0.5	<0.025	0.03	0.02	<0.5	<0.5
Benzo(a)anthracene #	ug/l	0	Screened for detection	0.03	0.02	<0.5	<0.5	0.01	<0.005	0.02	<0.005	0.01	<0.5	<0.5	<0.5	<0.025	0.02	0.01	<0.5	<0.5
Chrysene #	ug/l	0	Screened for detection	0.03	0.02	<0.5	<0.5	0.01	<0.005	0.02	<0.005	0.01	<0.5	<0.5	<0.5	<0.025	0.02	0.01	<0.5	<0.5
Benzo(bk)fluoranthene #	ug/l	0	Screened for detection			<1	<1						<1	<1	<1				<1	<1
Benzo(a)pyrene	ug/l	0.00017	EQS AA	0.03	0.01	<1	<1	0.00	<0.002	0.01	<0.002	0.01	<1	<1	<1	<0.01	0.02	0.00	<1	<1
Indeno(123cd)pyrene	ug/l	0	Screened for detection	0.02	<0.005	<1	<1	<0.005	<0.005	0.01	<0.005	0.01	<1	<1	<1	<0.025	0.01	<0.005	<1	<1
Dibenzo(ah)anthracene #	ug/l	0	Screened for detection	<0.005	<0.005	<0.5	<0.5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.025	<0.005	<0.005	<0.5	<0.5
Benzo(ghi)perylene #	ug/l	0.0082	EQS MAC	0.03	0.02	<0.5	<0.5	<0.005	<0.005	0.02	<0.005	0.02	<0.5	<0.5	<0.5	<0.025	0.02	0.01	<0.5	<0.5
Benzo(b)fluoranthene (aq)	µg/l	0.017	EQS MAC	-	-			<1	-	-	-	<1				-	-	-		
Benzo(k)fluoranthene (aq)	µg/l	0.017	EQS MAC	-	-			<1	-	-	-	<1				-	-	-		
TPH CWG																				
Aliphatics																				
>C5-C6 #	ug/l	10	EQS AA for Benzene	-	-	<10	<10	<10	-	-	-	<10	<10	<10	<10	-	-	-	<10	<10
>C6-C8 #	ug/l	10	EQS AA for Benzene	-	-	<10	<10	<10	-	-	-	<10	<10	<10	<10	-	-	-	<10	<10
>C8-C10 #	ug/l	10	EQS AA for Benzene	-	-	<10	<10	<10	-	-	-	<10	<10	<10	<10	-	-	-	<10	<10
>C10-C12 #	ug/l	10	EQS AA for Benzene	-	-	<5	<5	<10	-	-	-	<10	<5	<5	<5	-	-	-	<5	<5
>C12-C16 #	ug/l	10	EQS AA for Benzene	-	-	<10	<10	<10	-	-	-	<10	<10	<10	<10	-	-	-	<10	<10
>C16-C21 #	ug/l	10	EQS AA for Benzene	-	-	<10	<10	<10	-	-	-	<10	<10	<10	<10	-	-	-	<10	<10
>C21-C35 #	ug/l	10	EQS AA for Benzene	-	-	<10	<10	<10	-	-	-	<10	<10	<10	<10	-	-	-	<10	<10
Total aliphatics C5-35 #	ug/l	10	EQS AA for Benzene			<10	<10						<10	<10	<10				<10	<10
Total Aliphatics >C12-C35 (aq)	ug/l	10	EQS AA for Benzene	-	-			<10	-	-	-	<10				-	-	-		
Aromatics																				
>C5-EC7 #	ug/l	10	EQS AA for Benzene	-	-	<10	<10	<10	-	-	-	<10	<10	<10	<10	-	-	-	<10	<10
>EC7-EC8 #	ug/l	10	EQS AA for Benzene	-	-	<10	<10	<10	-	-	-	<10	<10	<10	<10	-	-	-	<10	<10
>EC8-EC10 #	ug/l	10	EQS AA for Benzene	-	-	<10	<10	<10	-	-	-	<10	<10	<10	<10	-	-	-	<10	<10
>EC10-EC12 #	ug/l	10	EQS AA for Benzene	-	-	<5	<5	<10	-	-	-	<10	<5	<5	<5	-	-	-	<5	<5
>EC12-EC16 #	ug/l	10	EQS AA for Benzene	-	-	<10	<10	<10	-	-	-	<10	<10	<10	<10	-	-	-	<10	<10
>EC16-EC21 #	ug/l	10	EQS AA for Benzene	-	-	<10	<10	<10	-	-	-	<10	<10	<10	<10	-	-	-	<10	<10
>EC21-EC35 #	ug/l	10	EQS AA for Benzene	-	-	<10	<10	<10	-	-	-	<10	<10	<10	<10	-	-	-	<10	<10

				Hole Name	BH205	BH205	BH326B	BH326B	BH326B	BH326B	BH326B	BH326B	BH328	BH328B	BH328B	BH328B	BH328B	BH328B	BH328B	BH345B	BH345B
				Sampled Date	05/12/2017	12/12/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	17/11/2017	30/05/2017	05/06/2017	12/06/2017	30/11/2017	05/12/2017	12/12/2017	30/05/2017	05/06/2017
				Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill
				Comment on location			In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area
Total Aromatics >EC12-EC35 (ac	µg/l	10	EQS AA for Benzene	-	-			<10	-	-	-	<10				-	-	-		
Total aromatics C5-35 #	ug/l	10	EQS AA for Benzene			<10	<10						<10	<10	<10					<10	<10
Total aliphatics and aromatics(C5-35) #	ug/l	10	EQS AA for Benzene	-	-	<10	<10	<10	-	-	-	<10	<10	<10	<10	-	-	-	<10	<10	
Aliphatics >C16-C35 Aqueous	µg/l	10	EQS AA for Benzene	-	-			<10	-	-	-	<10				-	-	-			
GRO >C5-C12	µg/l	10	EQS AA for Benzene	-	-			<50	-	-	-	<50				-	-	-			
BTEX/MTBE MS																					
Methyl Tertiary Butyl Ether #	ug/l	10	EQS AA for Benzene	-	-	<0.1	<0.1	<3	-	-	-	<3	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	
Benzene #	ug/l	10	EQS AA for Benzene	-	-	<0.5	<0.5	<7	-	-	-	<7	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	
Toluene #	ug/l	10	EQS AA for Benzene	-	-	<5	<5	<4	-	-	-	<4	<5	<5	<5	-	-	-	<5	<5	
Ethylbenzene #	ug/l	10	EQS AA for Benzene	-	-	<1	<1	<5	-	-	-	<5	<1	<1	<1	-	-	-	<1	<1	
p/m-Xylene #	ug/l	10	EQS AA for Benzene	-	-	<2	<2	<8	-	-	-	<8	<2	<2	<2	-	-	-	<2	<2	
o-Xylene #	ug/l	10	EQS AA for Benzene	-	-	<1	<1	<3	-	-	-	<3	<1	<1	<1	-	-	-	<1	<1	
Sum of detected Xylenes	ug/l	10	EQS AA for Benzene	-	-			<11	-	-	-	<11				-	-	-			
Sum of detected BTEX	ug/l	10	EQS AA for Benzene	-	-			<28	-	-	-	<28				-	-	-			
MTBE #	ug/l	10	EQS AA for Benzene			NA								NA						NA	
Benzene #	ug/l	10	EQS AA for Benzene			NA								NA						NA	
Toluene #	ug/l	10	EQS AA for Benzene			NA								NA						NA	
Ethylbenzene #	ug/l	10	EQS AA for Benzene			NA								NA						NA	
m/p-Xylene #	ug/l	10	EQS AA for Benzene			NA								NA						NA	
o-Xylene #	ug/l	10	EQS AA for Benzene			NA								NA						NA	
VOC MS																					
1,1,1,2-Tetrachloroethane #	ug/l	0	Screened for detection	-	-	<2	<2	<1	-	-	-	<1	<2	<2	<2	-	-	-	<2	<2	
1,1,1-Trichloroethane #	ug/l	0	Screened for detection	-	-	<2	<2	<1	-	-	-	<1	<2	<2	<2	-	-	-	<2	<2	
1,1,2,2-Tetrachloroethane	ug/l	0	Screened for detection	-	-	<4	<4	<1	-	-	-	<1	<4	<4	<4	-	-	-	<4	<4	
1,1,2-Trichloroethane #	ug/l	0	Screened for detection	-	-	<2	<2	<1	-	-	-	<1	<2	<2	<2	-	-	-	<2	<2	
1,1-Dichloroethane #	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3	
1,1-Dichloroethene (1,1 DCE) #	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3	
1,1-Dichloropropene #	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3	
1,2,3-Trichlorobenzene	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3	
1,2,3-Trichloropropane #	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3	
1,2,4-Trichlorobenzene	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3	
1,2,4-Trimethylbenzene #	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3	
1,2-Dibromo-3-chloropropane	ug/l	0	Screened for detection	-	-	<2	<2	<1	-	-	-	<1	<2	<2	<2	-	-	-	<2	<2	
1,2-Dibromoethane #	ug/l	0	Screened for detection	-	-	<2	<2	<1	-	-	-	<1	<2	<2	<2	-	-	-	<2	<2	
1,2-Dichlorobenzene #	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3	
1,2-Dichloroethane #	ug/l	0	Screened for detection	-	-	<2	<2	<1	-	-	-	<1	<2	<2	<2	-	-	-	<2	<2	
1,2-Dichloropropane #	ug/l	0	Screened for detection	-	-	<2	<2	<1	-	-	-	<1	<2	<2	<2	-	-	-	<2	<2	
1,3,5-Trichlorobenzene	µg/l	0	Screened for detection	-	-			<1	-	-	-	<1				-	-	-			
1,3,5-Trimethylbenzene #	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3	
1,3-Dichlorobenzene #	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3	
1,3-Dichloropropane #	ug/l	0	Screened for detection	-	-	<2	<2	<1	-	-	-	<1	<2	<2	<2	-	-	-	<2	<2	
1,4-Dichlorobenzene #	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3	
2,2-Dichloropropane	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1	
2-Chlorotoluene #	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3	
4-Chlorotoluene #	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3	
4-Isopropyltoluene #	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3	

				Hole Name	BH205	BH205	BH326B	BH326B	BH326B	BH326B	BH326B	BH326B	BH328	BH328B	BH328B	BH328B	BH328B	BH328B	BH328B	BH345B	BH345B
				Sampled Date	05/12/2017	12/12/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	17/11/2017	30/05/2017	05/06/2017	12/06/2017	30/11/2017	05/12/2017	12/12/2017	30/05/2017	05/06/2017
				Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill
				Comment on location			In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area
Benzene #	ug/l	10	UK EQS AA	-	-	<0.5	<0.5	<1	-	-	-	<1	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5
Bromobenzene #	ug/l	0	Screened for detection	-	-	<2	<2	<1	-	-	-	<1	<2	<2	<2	-	-	-	<2	<2
Bromochloromethane #	ug/l	0	Screened for detection	-	-	<2	<2	<1	-	-	-	<1	<2	<2	<2	-	-	-	<2	<2
Bromodichloromethane #	ug/l	0	Screened for detection	-	-	<2	<2	<1	-	-	-	<1	<2	<2	<2	-	-	-	<2	<2
Bromoform #	ug/l	0	Screened for detection	-	-	<2	<2	<1	-	-	-	<1	<2	<2	<2	-	-	-	<2	<2
Bromomethane	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
Carbon disulphide	µg/l	0	Screened for detection	-	-			<1	-	-	-	<1				-	-	-		
Carbon tetrachloride #	ug/l	0	Screened for detection	-	-	<2	<2	<1	-	-	-	<1	<2	<2	<2	-	-	-	<2	<2
Chlorobenzene #	ug/l	0	Screened for detection	-	-	<2	<2	<1	-	-	-	<1	<2	<2	<2	-	-	-	<2	<2
Chloroethane #	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3
Chloroform #	ug/l	0	Screened for detection	-	-	<2	<2	<1	-	-	-	<1	<2	<2	<2	-	-	-	<2	<2
Chloromethane #	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3
cis-1-2-Dichloroethene #	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3
cis-1-3-Dichloropropene	ug/l	0	Screened for detection	-	-	<2	<2	<1	-	-	-	<1	<2	<2	<2	-	-	-	<2	<2
Dibromochloromethane #	ug/l	0	Screened for detection	-	-	<2	<2	<1	-	-	-	<1	<2	<2	<2	-	-	-	<2	<2
Dibromomethane #	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3
Dichlorodifluoromethane	ug/l	0	Screened for detection	-	-	<2	<2	<1	-	-	-	<1	<2	<2	<2	-	-	-	<2	<2
Dichloromethane (DCM) #	ug/l	0	Screened for detection	-	-	<5	<5	<3	-	-	-	<3	<5	<5	<5	-	-	-	<5	<5
Ethylbenzene #	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
Hexachlorobutadiene	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3
Isopropylbenzene #	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3
Methyl Tertiary Butyl Ether #	ug/l	0	Screened for detection	-	-	<0.1	<0.1	<1	-	-	-	<1	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1
Naphthalene	ug/l	0	Screened for detection	-	-	<2	<2	<1	-	-	-	<1	<2	<2	<2	-	-	-	<2	<2
n-Butylbenzene #	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3
o-Xylene #	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
p/m-Xylene #	ug/l	0	Screened for detection	-	-	<2	<2	<1	-	-	-	<1	<2	<2	<2	-	-	-	<2	<2
Propylbenzene #	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3
sec-Butylbenzene #	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3
Styrene	ug/l	0	Screened for detection	-	-	<2	<2	<1	-	-	-	<1	<2	<2	<2	-	-	-	<2	<2
tert-Amyl methyl ether (TAME)	µg/l	0	Screened for detection	-	-			<1	-	-	-	<1				-	-	-		
tert-Butylbenzene #	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3
Tetrachloroethene (PCE) #	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3
Toluene #	ug/l	0	Screened for detection	-	-	<5	<5	<1	-	-	-	<1	<5	<5	<5	-	-	-	<5	<5
trans-1-2-Dichloroethene #	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3
trans-1-3-Dichloropropene	ug/l	0	Screened for detection	-	-	<2	<2	<1	-	-	-	<1	<2	<2	<2	-	-	-	<2	<2
Trichloroethene (TCE) #	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3
Trichlorofluoromethane #	ug/l	0	Screened for detection	-	-	<3	<3	<1	-	-	-	<1	<3	<3	<3	-	-	-	<3	<3
Vinyl Chloride #	ug/l	0	Screened for detection	-	-	<0.1	<0.1	<1	-	-	-	<1	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1
SVOC MS																					
Phenols																					
2-Chlorophenol #	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
2-Methylphenol #	ug/l	0	Screened for detection	-	-	<0.5	<0.5	<1	-	-	-	<1	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5
2-Nitrophenol	ug/l	0	Screened for detection	-	-	<0.5	<0.5	<1	-	-	-	<1	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5
2,4-Dichlorophenol #	ug/l	0	Screened for detection	-	-	<0.5	<0.5	<1	-	-	-	<1	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5
2,4-Dimethylphenol	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
2,4,5-Trichlorophenol #	ug/l	0	Screened for detection	-	-	<0.5	<0.5	<1	-	-	-	<1	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5
2,4,6-Trichlorophenol	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1

				Hole Name	BH205	BH205	BH326B	BH326B	BH326B	BH326B	BH326B	BH326B	BH328	BH328B	BH328B	BH328B	BH328B	BH328B	BH328B	BH345B	BH345B
				Sampled Date	05/12/2017	12/12/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	17/11/2017	30/05/2017	05/06/2017	12/06/2017	30/11/2017	05/12/2017	12/12/2017	30/05/2017	05/06/2017
				Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill
				Comment on location			In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area
4-Chloro-3-methylphenol #	ug/l	0	Screened for detection	-	-	<0.5	<0.5	<1	-	-	-	<1	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5
4-Methylphenol	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
4-Nitrophenol	ug/l	0	Screened for detection	-	-	<10	<10	<1	-	-	-	<1	<10	<10	<10	-	-	-	<10	<10
Pentachlorophenol	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
Phenol	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
PAHs																				
Phthalates																				
Bis(2-ethylhexyl) phthalate	ug/l	0	Screened for detection	-	-	<5	<5	<2	-	-	-	<2	<5	<5	<5	-	-	-	<5	<5
Butylbenzyl phthalate	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
Di-n-butyl phthalate #	ug/l	0	Screened for detection	-	-	<1.5	<1.5	<1	-	-	-	<1	<1.5	<1.5	<1.5	-	-	-	<1.5	<1.5
Di-n-Octyl phthalate	ug/l	0	Screened for detection	-	-	<1	<1	<5	-	-	-	<5	<1	<1	<1	-	-	-	<1	<1
Diethyl phthalate #	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
Dimethyl phthalate	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
Other SVOCs																				
1,2-Dichlorobenzene #	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
1,2,4-Trichlorobenzene #	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
1,3-Dichlorobenzene #	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
1,4-Dichlorobenzene #	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
2-Nitroaniline	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
2,4-Dinitrotoluene #	ug/l	0	Screened for detection	-	-	<0.5	<0.5	<1	-	-	-	<1	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5
2,6-Dinitrotoluene	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
3-Nitroaniline	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
4-Bromophenylphenylether #	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
4-Chloroaniline	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
4-Chlorophenylphenylether #	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
4-Nitroaniline	ug/l	0	Screened for detection	-	-	<0.5	<0.5	<1	-	-	-	<1	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5
Azobenzene #	ug/l	0	Screened for detection	-	-	<0.5	<0.5	<1	-	-	-	<1	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5
Bis(2-chloroethoxy)methane #	ug/l	0	Screened for detection	-	-	<0.5	<0.5	<1	-	-	-	<1	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5
Bis(2-chloroethyl)ether #	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
Carbazole #	ug/l	0	Screened for detection	-	-	<0.5	<0.5	<1	-	-	-	<1	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5
Dibenzofuran #	ug/l	0	Screened for detection	-	-	<0.5	<0.5	<1	-	-	-	<1	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5
Hexachlorobenzene #	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
Hexachlorobutadiene #	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
Hexachlorocyclopentadiene	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
Hexachloroethane #	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
Isophorone #	ug/l	0	Screened for detection	-	-	<0.5	<0.5	<1	-	-	-	<1	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5
N-nitrosodi-n-propylamine #	ug/l	0	Screened for detection	-	-	<0.5	<0.5	<1	-	-	-	<1	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5
Nitrobenzene #	ug/l	0	Screened for detection	-	-	<1	<1	<1	-	-	-	<1	<1	<1	<1	-	-	-	<1	<1
PCBs:																				
PCB 28	ug/l	0	Screened for detection	-	-	<0.1	<0.1	<0.015	-	-	-	<0.015	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1
PCB 52	ug/l	0	Screened for detection	-	-	<0.1	<0.1	<0.015	-	-	-	<0.015	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1
PCB 101	ug/l	0	Screened for detection	-	-	<0.1	<0.1	<0.015	-	-	-	<0.015	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1
PCB 105	µg/l	0	Screened for detection	-	-			<0.015	-	-	-	<0.015				-	-	-		
PCB 114	µg/l	0	Screened for detection	-	-			<0.015	-	-	-	<0.015				-	-	-		
PCB 118	ug/l	0	Screened for detection	-	-	<0.1	<0.1	<0.015	-	-	-	<0.015	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1
PCB 123	µg/l	0	Screened for detection	-	-			<0.015	-	-	-	<0.015				-	-	-		

			Hole Name	BH205	BH205	BH326B	BH326B	BH326B	BH326B	BH326B	BH326B	BH328	BH328B	BH328B	BH328B	BH328B	BH328B	BH328B	BH345B	BH345B
			Sampled Date	05/12/2017	12/12/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	17/11/2017	30/05/2017	05/06/2017	12/06/2017	30/11/2017	05/12/2017	12/12/2017	30/05/2017	05/06/2017
			Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill
			Comment on location			In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area
PCB 126	µg/l	0	Screened for detection	-	-			<0.015	-	-	-	<0.015				-	-	-		
PCB 138	ug/l	0	Screened for detection	-	-	<0.1	<0.1	<0.015	-	-	-	<0.015	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1
PCB 153	ug/l	0	Screened for detection	-	-	<0.1	<0.1	<0.015	-	-	-	<0.015	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1
PCB 156	µg/l	0	Screened for detection	-	-			<0.015	-	-	-	<0.015				-	-	-		
PCB 157	µg/l	0	Screened for detection	-	-			<0.015	-	-	-	<0.015				-	-	-		
PCB 167	µg/l	0	Screened for detection	-	-			<0.015	-	-	-	<0.015				-	-	-		
PCB 169	µg/l	0	Screened for detection	-	-			<0.015	-	-	-	<0.015				-	-	-		
PCB 180	ug/l	0	Screened for detection	-	-	<0.1	<0.1	<0.015	-	-	-	<0.015	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1
PCB 189	µg/l	0	Screened for detection	-	-			<0.015	-	-	-	<0.015				-	-	-		
PCB congener 77	µg/l	0	Screened for detection	-	-			<0.015	-	-	-	<0.015				-	-	-		
PCB congener 81	µg/l	0	Screened for detection	-	-			<0.015	-	-	-	<0.015				-	-	-		
Total 7 PCBs	ug/l	0	Screened for detection			<0.7	<0.7						<0.7	<0.7	<0.7				<0.7	<0.7
Sum of detected EC7 PCB's	µg/l	0	Screened for detection	-	-			<0.105	-	-	-	<0.105				-	-	-		
Pesticides																				
Organochlorine Pesticides																				
Aldrin	ug/l	0	Screened for detection	-	-			<0.02	-	-	-	<0.02				-	-	-		
Alpha-HCH (BHC)	ug/l	0	Screened for detection	-	-			<0.01	-	-	-	<0.01				-	-	-		
Beta-HCH (BHC)	ug/l	0	Screened for detection	-	-			<0.01	-	-	-	<0.01				-	-	-		
Chlorothalonil	ug/l	0	Screened for detection	-	-			<0.01	-	-	-	<0.01				-	-	-		
cis-Chlordane	ug/l	0	Screened for detection	-	-			<0.01	-	-	-	<0.01				-	-	-		
Delta-HCH (BHC)	ug/l	0	Screened for detection	-	-			<0.01	-	-	-	<0.01				-	-	-		
Dieldrin	ug/l	0	Screened for detection	-	-			<0.01	-	-	-	<0.01				-	-	-		
Disulfoton	µg/l	0	Screened for detection	-	-			<0.01	-	-	-	<0.01				-	-	-		
Endosulphan I	ug/l	0	Screened for detection	-	-			<0.01	-	-	-	<0.01				-	-	-		
Endosulphan II	ug/l	0	Screened for detection	-	-			<0.02	-	-	-	<0.02				-	-	-		
Endosulphan sulphate	ug/l	0	Screened for detection	-	-			<0.02	-	-	-	<0.02				-	-	-		
Endrin	ug/l	0	Screened for detection	-	-			<0.01	-	-	-	<0.01				-	-	-		
Gamma-HCH (BHC)	ug/l	0	Screened for detection	-	-			<0.01	-	-	-	<0.01				-	-	-		
Heptachlor	ug/l	0	Screened for detection	-	-			<0.02	-	-	-	<0.02				-	-	-		
Heptachlor Epoxide	ug/l	0	Screened for detection	-	-			<0.01	-	-	-	<0.01				-	-	-		
Hexachlorobenzene	ug/l	0	Screened for detection	-	-			<0.01	-	-	-	<0.01				-	-	-		
Isodrin	ug/l	0	Screened for detection	-	-			<0.01	-	-	-	<0.01				-	-	-		
o,p'-DDE	ug/l	0	Screened for detection	-	-			<0.01	-	-	-	<0.01				-	-	-		
o,p'-DDT	ug/l	0	Screened for detection	-	-			<0.02	-	-	-	<0.02				-	-	-		
o,p'-Methoxychlor	ug/l	0	Screened for detection	-	-			<0.02	-	-	-	<0.02				-	-	-		
o,p'-TDE	ug/l	0	Screened for detection	-	-			<0.01	-	-	-	<0.01				-	-	-		
p,p'-DDE	ug/l	0	Screened for detection	-	-			<0.01	-	-	-	<0.01				-	-	-		
p,p'-DDT	ug/l	0	Screened for detection	-	-			<0.02	-	-	-	<0.02				-	-	-		
p,p'-Methoxychlor	ug/l	0	Screened for detection	-	-			<0.02	-	-	-	<0.02				-	-	-		
p,p'-TDE	ug/l	0	Screened for detection	-	-			<0.01	-	-	-	<0.01				-	-	-		
Pendimethalin	ug/l	0	Screened for detection	-	-			<0.01	-	-	-	<0.01				-	-	-		
Permethrin I	ug/l	0	Screened for detection	-	-			<0.01	-	-	-	<0.01				-	-	-		
Permethrin II	ug/l	0	Screened for detection	-	-			<0.01	-	-	-	<0.01				-	-	-		
Quintozene (PCNB)	ug/l	0	Screened for detection	-	-			<0.01	-	-	-	<0.01				-	-	-		
Tecnazene	ug/l	0	Screened for detection	-	-			<0.01	-	-	-	<0.01				-	-	-		
Telodrin	ug/l	0	Screened for detection	-	-			<0.01	-	-	-	<0.01				-	-	-		
trans-Chlordane	ug/l	0	Screened for detection	-	-			<0.01	-	-	-	<0.01				-	-	-		

			Hole Name	BH205	BH205	BH326B	BH326B	BH326B	BH326B	BH326B	BH326B	BH328	BH328B	BH328B	BH328B	BH328B	BH328B	BH328B	BH345B	BH345B
			Sampled Date	05/12/2017	12/12/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	17/11/2017	30/05/2017	05/06/2017	12/06/2017	30/11/2017	05/12/2017	12/12/2017	30/05/2017	05/06/2017
			Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill
			Comment on location			In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area
Triadimefon	ug/l	0	Screened for detection	-	-			<0.01	-	-	-	<0.01				-	-	-		
Triallate	ug/l	0	Screened for detection	-	-			<0.01	-	-	-	<0.01				-	-	-		
Trifluralin	ug/l	0	Screened for detection	-	-			<0.01	-	-	-	<0.01				-	-	-		
Organophosphorus Pesticides		0	Screened for detection																	
Azinphos ethyl	ug/l	0	Screened for detection																	
Azinphos methyl	ug/l	0	Screened for detection																	
Carbophenothion	ug/l	0	Screened for detection																	
Chlorfenvinphos	ug/l	0	Screened for detection																	
Chlorpyrifos	ug/l	0	Screened for detection																	
Chlorpyrifos-methyl	ug/l	0	Screened for detection																	
Diazinon	ug/l	0	Screened for detection																	
Dichlorvos	ug/l	0	Screened for detection																	
Disulfoton	ug/l	0	Screened for detection																	
Dimethoate	ug/l	0	Screened for detection																	
Ethion	ug/l	0	Screened for detection																	
Ethyl Parathion (Parathion)	ug/l	0	Screened for detection																	
Etrimphos	ug/l	0	Screened for detection																	
Fenitrothion	ug/l	0	Screened for detection																	
Fenthion	ug/l	0	Screened for detection																	
Malathion	ug/l	0	Screened for detection																	
Methyl Parathion	ug/l	0	Screened for detection																	
Mevinphos	ug/l	0	Screened for detection																	
Phosalone	ug/l	0	Screened for detection																	
Pirimiphos Methyl	ug/l	0	Screened for detection																	
Propetamphos	ug/l	0	Screened for detection																	
Triazophos	ug/l	0	Screened for detection																	
Benazolin	ug/l	0	Screened for detection			<0.1	<0.1						<0.1	<0.1	<0.1				<0.1	<0.1
Bentazone	ug/l	0	Screened for detection			<0.1	<0.1						<0.1	<0.1	<0.1				<0.1	<0.1
Bromoxynil	ug/l	0	Screened for detection			<0.1	<0.1						<0.1	<0.1	<0.1				<0.1	<0.1
Clopyralid	ug/l	0	Screened for detection			<0.1	<0.1						<0.1	<0.1	<0.1				<0.1	<0.1
4 - CPA	ug/l	0	Screened for detection			<0.1	<0.1						<0.1	<0.1	<0.1				<0.1	<0.1
2,4 - D	ug/l	0	Screened for detection			<0.1	<0.1						<0.1	<0.1	<0.1				<0.1	<0.1
2,4 - DB	ug/l	0	Screened for detection			<0.1	<0.1						<0.1	<0.1	<0.1				<0.1	<0.1
Dicamba	ug/l	0	Screened for detection			<0.1	<0.1						<0.1	<0.1	<0.1				<0.1	<0.1
Dichloroprop	ug/l	0	Screened for detection			<0.1	<0.1						<0.1	<0.1	<0.1				<0.1	<0.1
Diclofop	ug/l	0	Screened for detection			<0.1	<0.1						<0.1	<0.1	<0.1				<0.1	<0.1
Fenoprop	ug/l	0	Screened for detection			<0.1	<0.1						<0.1	<0.1	<0.1				<0.1	<0.1
Flamprop	ug/l	0	Screened for detection			<0.1	<0.1						<0.1	<0.1	<0.1				<0.1	<0.1
Flamprop – isopropyl	ug/l	0	Screened for detection			<0.1	<0.1						<0.1	<0.1	<0.1				<0.1	<0.1
Ioxynil	ug/l	0	Screened for detection			<0.1	<0.1						<0.1	<0.1	<0.1				<0.1	<0.1
MCPA	ug/l	0	Screened for detection			<0.1	<0.1						<0.1	<0.1	<0.1				<0.1	<0.1
MCPB	ug/l	0	Screened for detection			<0.1	<0.1						<0.1	<0.1	<0.1				<0.1	<0.1
Mecoprop	ug/l	0	Screened for detection			<0.1	<0.1						<0.1	<0.1	<0.1				<0.1	<0.1
Picloram	ug/l	0	Screened for detection			<0.1	<0.1						<0.1	<0.1	<0.1				<0.1	<0.1
Pentachlorophenol	ug/l	0	Screened for detection			<0.1	<0.1						<0.1	<0.1	<0.1				<0.1	<0.1
2,4,5 - T	ug/l	0	Screened for detection			<0.1	<0.1						<0.1	<0.1	<0.1				<0.1	<0.1
2,3,6 - TBA	ug/l	0	Screened for detection			<0.1	<0.1						<0.1	<0.1	<0.1				<0.1	<0.1

			Hole Name	BH205	BH205	BH326B	BH326B	BH326B	BH326B	BH326B	BH326B	BH328	BH328B	BH328B	BH328B	BH328B	BH328B	BH328B	BH345B	BH345B
			Sampled Date	05/12/2017	12/12/2017	05/06/2017	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	17/11/2017	30/05/2017	05/06/2017	12/06/2017	30/11/2017	05/12/2017	12/12/2017	30/05/2017	05/06/2017
			Scheme Zone	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill
			Comment on location			In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area
Triclopyr	ug/l	0	Screened for detection			<0.1	<0.1						<0.1	<0.1	<0.1				<0.1	<0.1
Atrazine	ug/l	0	Screened for detection			NA							NA	NA					NA	NA
Simazine	ug/l	0	Screened for detection			NA							NA	NA					NA	NA
Monuron	ug/l	0	Screened for detection			NA							NA	NA					NA	NA
Diuron	ug/l	0	Screened for detection			NA							NA	NA					NA	NA
Linuron	ug/l	0	Screened for detection			NA							NA	NA					NA	NA
Chlortoluron	ug/l	0	Screened for detection			NA							NA	NA					NA	NA
Isoproturon	ug/l	0	Screened for detection			NA							NA	NA					NA	NA
Carbetamide	ug/l	0	Screened for detection			NA							NA	NA					NA	NA

				Hole Name	BH345B	BH345	BH345B	BH345B	BH345B	BH346B	BH327	BH327	BH327	BH341	BH341	BH341	BH341	BH341	BH341	BH201	BH305
				Sampled Date	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	31/05/2017	12/06/2017	08/06/2017	31/05/2017	12/06/2017	08/06/2017	31/05/2017	01/12/2017	06/12/2017	12/12/2017	13/06/2017	05/06/2017
				Scheme Zone	4D	4D	4D	4D	4D	4D	4C	4C	4C	4C	4C	4C	4C	4C	4C	3A	3A
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
				Comment on location	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	u/s KRW landfill	u/s KRW landfill	u/s KRW landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	In MG4 Grassland Area	In MG4 Grassland Area
Test	**Units**	**Initial Screen - ing Value**	**Source of Screening Value**																		
pH[1]	pH units	6.5	EQS	NA	7.32	7.43	7.16	7.49		NA	7.21		NA	NA		7.46	7.43	7.41	7.63	7.54
Total Alkalinity, Bicarbonate as CaCO3	mg/l		Indicator only		360	735	600	370		NA	NA		NA	NA		1040	1020	600	398	329
Dissolved Organic Carbon	mg/l		Indicator only		4.05	<3	4.84	<3		NA	NA		NA	NA		3.27	<3	<3	6	3
Chloride	mg/l	250	UK DWS		51.5	51.4	-	53.2		NA	NA		NA	NA		33.1	32.6	33.5	18.6	117.9
Nitrate as NO3	mg/l	50	UK DWS		0.605	<0.3	<0.3	<0.3		NA	NA		NA	NA		0.677	<0.3	<0.3	<0.2	<0.2
Sulphate	mg/l	250	UK DWS	NA	102	108	106	103		NA	58.7		NA	NA		59.5	58.8	57.8	40.5	85.3
Ortho Phosphate as PO4 #	mg/l	0.06	Notional standard		<0.05	<0.05	<0.05	<0.05		NA	NA		NA	NA		<0.05	<0.05	<0.05	<0.06	<0.06
Ammoniacal Nitrogen as N #	mg/l	0.6	EQS for rivers		3.38	2.1	3.35	3.39			NA			NA		<0.2	<0.2	<0.2		0.19
Ortho Phosphate as PO4 #	mg/l	0.06	Previous EQS AA (Good for lowland, hard waters)							NA	NA		NA	NA					<0.06	<0.06
Metals																				
Dissolved Arsenic #	ug/l	50	EQS AA	NA	0.753	10.9	1.58	6.41	NA	NA	NA	NA	NA	NA	NA	<0.5	0.82	0.961	4.5	5.4
Dissolved Boron	ug/l	1000	UK DWS	NA	142	139	174	136	NA	NA	NA	NA	NA	NA	NA	70.3	70.4	70	86	149
Dissolved Cadmium #	ug/l	0.25	EQS AA (Hard water)	NA	<0.08	<0.08	-	<0.08	NA	NA	NA	NA	NA	NA	NA	<0.08	<0.08	<0.08	<0.5	<0.5
Total Dissolved Chromium #	ug/l	3.4	EQS AA for Cr VI	NA	<1	5.86	-	4.13	NA	NA	NA	NA	NA	NA	NA	<1	5.92	5.42	<1.5	<1.5
Hexavalent Chromium	mg/l	3.4	EQS AA for Cr VI		<0.03	<0.03	-	<0.03		NA	NA		NA	NA		<0.03	<0.03	<0.03	<0.006	<0.006
Dissolved Copper #	ug/l	1	Min. EQS AA (Bioavailable)	NA	0.466	3.21	-	3.77	NA	NA	NA	NA	NA	NA	NA	0.587	3.53	2.49	<7	<7
Dissolved Lead #	ug/l	1.2	Min. EQS AA (Bioavailable)	NA	<0.2	2.82	<0.2	2.37	NA	NA	NA	NA	NA	NA	NA	<0.2	1.63	1.48	<5	<5
Dissolved Nickel #	ug/l	4	Min. EQS AA (Bioavailable)	NA	2.74	4.19	3.41	4.24	NA	NA	NA	NA	NA	NA	NA	4.53	4.96	5.25	5	3
Dissolved Zinc #	ug/l	10.9	Min. EQS AA (Bioavailable)	NA	2.52	22	<1	13.6	NA	NA	NA	NA	NA	NA	NA	3.68	20.5	24.5	26	14
Mercury Dissolved by CVAF	ug/l	0.07	EQS MAC	NA	<0.01	0.0209	<0.01	0.0198	NA	NA	NA	NA	NA	NA	NA	<0.01	0.021	0.0124	NA	NA
Dissolved Mercury #	ug/l	0.07	EQS MAC		<0.01	0.0209	<0.01	0.0198		NA	NA		NA	NA		<0.01	0.021	0.0124	<1	<1
Dissolved Calcium #	mg/l		Indicator only		146	165	148	153		NA	NA		NA	NA		114	140	129	144.5	161.4
Dissolved Magnesium #	mg/l		Indicator only		7.07	7.04	7.42	6.73		NA	NA		NA	NA		4.72	5.49	5.34	4.2	4.5
Dissolved Sodium #	mg/l		Indicator only		36.6	37.8	38.2	35.7		NA	NA		NA	NA		21.8	24.1	22.1	32.8	65.1
Phenols																				
Total Phenols HPLC	mg/l	0.0077	EQS AA							NA	NA		NA	NA					<0.1	<0.1
Phenol	mg/l	0.0077	EQS AA	NA	<0.002	<0.002	<0.002	<0.002	NA	NA	NA	NA	NA	NA	NA	<0.002	<0.002	<0.002	NA	NA
PAH MS																				
Acenaphthylene #	ug/l	0	Screened for detection	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	<0.005	<0.005	<0.005	<0.013	<0.013
Anthracene #	ug/l	0.1	EQS AA	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	0.02	<0.005	<0.005	<0.013	<0.013
Benzo(a)anthracene #	ug/l	0	Screened for detection	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	0.11	0.02	0.02	<0.015	<0.015
Benzo(a)pyrene #	ug/l	0.00017	EQS AA	NA	<0.002	<0.002	<0.002	<0.002	NA	NA	NA	NA	NA	NA	NA	0.09	0.01	0.01	<0.016	<0.016
Benzo(b)fluoranthene	ug/l	0.017	EQS MAC	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	0.14	0.03	0.01	<0.01	<0.01
Benzo(ghi)perylene #	ug/l	0.0082	EQS MAC	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	0.14	0.03	<0.005	<0.011	<0.011
Benzo(k)fluoranthene	ug/l	0.017	EQS MAC	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	0.09	0.01	0.01	<0.01	<0.01
Chrysene #	ug/l	0	Screened for detection	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	0.19	0.02	0.01	<0.011	<0.011
Dibenzo(ah)anthracene #	ug/l	0	Screened for detection	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	<0.005	<0.005	<0.005	<0.01	<0.01
Fluoranthene #	ug/l	0.0063	EQS AA	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	0.27	0.02	0.02	<0.012	<0.012
Fluorene #	ug/l	0	Screened for detection	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	<0.005	<0.005	<0.005	<0.014	<0.014
Indeno(123cd)pyrene #	ug/l	0	Screened for detection	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	0.14	0.01	<0.005	<0.011	<0.011
Naphthalene #	ug/l	2	EQS AA	NA	0.01	0.01	<0.01	<0.01	NA	NA	NA	NA	NA	NA	NA	<0.01	<0.01	<0.01	<0.1	<0.1

				Hole Name	BH345B	BH345	BH345B	BH345B	BH345B	BH346B	BH327	BH327	BH327	BH341	BH341	BH341	BH341	BH341	BH341	BH201	BH305
				Sampled Date	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	31/05/2017	12/06/2017	08/06/2017	31/05/2017	12/06/2017	08/06/2017	31/05/2017	01/12/2017	06/12/2017	12/12/2017	13/06/2017	05/06/2017
				Scheme Zone	4D	4D	4D	4D	4D	4D	4C	4C	4C	4C	4C	4C	4C	4C	4C	3A	3A
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
				Comment on location	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	u/s KRW landfill	u/s KRW landfill	u/s KRW landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	In MG4 Grassland Area	In MG4 Grassland Area
Phenanthrene #	ug/l	0	Screened for detection	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	0.13	<0.005	<0.005	<0.011	<0.011
Pyrene #	ug/l	0	Screened for detection	NA	0.01	<0.005	<0.005	0.01	NA	NA	NA	NA	NA	NA	NA	0.22	0.03	0.02	<0.013	<0.013
PAH 16 Total #	ug/l		n/a -sum of above	NA	<0.082	<0.082	<0.082	<0.082	NA	NA	NA	NA	NA	NA	NA	1.53	0.17	0.10	<0.195	<0.195
PAH, Total Detected USEPA 16 (	µg/l				<0.082	<0.082	<0.082	<0.082								1.53	0.17	0.10		
Benzo(bk)fluoranthene #	ug/l	0	Screened for detection	NA					NA	NA	NA	NA	NA	NA	NA				<0.018	<0.018
Acenaphthene #	ug/l	0	Screened for detection	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	0.01	<0.005	<0.005	<0.013	<0.013
2-Chloronaphthalene #	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
2-Methylnaphthalene #	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
Naphthalene #	ug/l	2	UK EQS AA	<1	0.01	0.01	<0.01	<0.01	NA	<1	<1	<1	<1	<1	<1	<0.01	<0.01	<0.01	NA	
Acenaphthylene #	ug/l	0	Screened for detection	<0.5	<0.005	<0.005	<0.005	<0.005	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	NA	
Acenaphthene #	ug/l	0	Screened for detection	<1	<0.005	<0.005	<0.005	<0.005	NA	<1	<1	<1	<1	<1	<1	0.01	<0.005	<0.005	NA	
Fluorene #	ug/l	0	Screened for detection	<0.5	<0.005	<0.005	<0.005	<0.005	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	NA	
Phenanthrene #	ug/l	0	Screened for detection	<0.5	<0.005	<0.005	<0.005	<0.005	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.13	<0.005	<0.005	NA	
Anthracene #	ug/l	0.1	EQS AA	<0.5	<0.005	<0.005	<0.005	<0.005	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.02	<0.005	<0.005	NA	
Fluoranthene #	ug/l	0.0063	EQS AA	<0.5	<0.005	<0.005	<0.005	<0.005	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.27	0.02	0.02	NA	
Pyrene #	ug/l	0	Screened for detection	<0.5	0.01	<0.005	<0.005	0.01	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.22	0.03	0.02	NA	
Benzo(a)anthracene #	ug/l	0	Screened for detection	<0.5	<0.005	<0.005	<0.005	<0.005	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.11	0.02	0.02	NA	
Chrysene #	ug/l	0	Screened for detection	<0.5	<0.005	<0.005	<0.005	<0.005	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.19	0.02	0.01	NA	
Benzo(bk)fluoranthene #	ug/l	0	Screened for detection	<1					NA	<1	<1	<1	<1	<1	<1				NA	
Benzo(a)pyrene	ug/l	0.00017	EQS AA	<1	<0.002	<0.002	<0.002	<0.002	NA	<1	<1	<1	<1	<1	<1	0.09	0.01	0.01	NA	
Indeno(123cd)pyrene	ug/l	0	Screened for detection	<1	<0.005	<0.005	<0.005	<0.005	NA	<1	<1	<1	<1	<1	<1	0.14	0.01	<0.005	NA	
Dibenzo(ah)anthracene #	ug/l	0	Screened for detection	<0.5	<0.005	<0.005	<0.005	<0.005	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	NA	
Benzo(ghi)perylene #	ug/l	0.0082	EQS MAC	<0.5	<0.005	<0.005	<0.005	<0.005	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.14	0.03	<0.005	NA	
Benzo(b)fluoranthene (aq)	µg/l	0.017	EQS MAC		<1	-	-	-								-	-	-		
Benzo(k)fluoranthene (aq)	µg/l	0.017	EQS MAC		<1	-	-	-								-	-	-		
TPH CWG																				
Aliphatics																				
>C5-C6 #	ug/l	10	EQS AA for Benzene	<10	<10	-	-	-	NA	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10
>C6-C8 #	ug/l	10	EQS AA for Benzene	<10	<10	-	-	-	NA	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10
>C8-C10 #	ug/l	10	EQS AA for Benzene	<10	<10	-	-	-	NA	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10
>C10-C12 #	ug/l	10	EQS AA for Benzene	<5	<10	-	-	-	NA	<5	<5	<5	<5	<5	<5	-	-	-	<5	<5
>C12-C16 #	ug/l	10	EQS AA for Benzene	<10	<10	-	-	-	NA	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10
>C16-C21 #	ug/l	10	EQS AA for Benzene	<10	<10	-	-	-	NA	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10
>C21-C35 #	ug/l	10	EQS AA for Benzene	<10	35	-	-	-	NA	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10
Total aliphatics C5-35 #	ug/l	10	EQS AA for Benzene	<10					NA	<10	<10	<10	<10	<10	<10				<10	<10
Total Aliphatics >C12-C35 (aq)	ug/l	10	EQS AA for Benzene		35	-	-	-								-	-	-		
Aromatics																				
>C5-EC7 #	ug/l	10	EQS AA for Benzene	<10	<10	-	-	-	NA	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10
>EC7-EC8 #	ug/l	10	EQS AA for Benzene	<10	<10	-	-	-	NA	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10
>EC8-EC10 #	ug/l	10	EQS AA for Benzene	<10	<10	-	-	-	NA	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10
>EC10-EC12 #	ug/l	10	EQS AA for Benzene	<5	<10	-	-	-	NA	<5	<5	<5	<5	<5	<5	-	-	-	<5	<5
>EC12-EC16 #	ug/l	10	EQS AA for Benzene	<10	<10	-	-	-	NA	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10
>EC16-EC21 #	ug/l	10	EQS AA for Benzene	<10	<10	-	-	-	NA	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10
>EC21-EC35 #	ug/l	10	EQS AA for Benzene	<10	<10	-	-	-	NA	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10

				Hole Name	BH345B	BH345	BH345B	BH345B	BH345B	BH346B	BH327	BH327	BH327	BH341	BH341	BH341	BH341	BH341	BH341	BH201	BH305
				Sampled Date	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	31/05/2017	12/06/2017	08/06/2017	31/05/2017	12/06/2017	08/06/2017	31/05/2017	01/12/2017	06/12/2017	12/12/2017	13/06/2017	05/06/2017
				Scheme Zone	4D	4D	4D	4D	4D	4D	4C	4C	4C	4C	4C	4C	4C	4C	4C	3A	3A
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
				Comment on location	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	u/s KRW landfill	u/s KRW landfill	u/s KRW landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	In MG4 Grassland Area	In MG4 Grassland Area
Total Aromatics >EC12-EC35 (ac	µg/l	10	EQS AA for Benzene		<10	-	-	-								-	-	-		
Total aromatics C5-35 #	ug/l	10	EQS AA for Benzene	<10					NA	<10	<10	<10	<10	<10	<10				<10	<10
Total aliphatics and aromatics(C5-35) #	ug/l	10	EQS AA for Benzene	<10	35	-	-	-	NA	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10
Aliphatics >C16-C35 Aqueous	µg/l	10	EQS AA for Benzene		35	-	-	-								-	-	-		
GRO >C5-C12	µg/l	10	EQS AA for Benzene		<50	-	-	-								-	-	-		
BTEX/MTBE MS																				
Methyl Tertiary Butyl Ether #	ug/l	10	EQS AA for Benzene	<0.1	<3	-	-	-	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	NA	NA
Benzene #	ug/l	10	EQS AA for Benzene	<0.5	<7	-	-	-	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	NA	NA
Toluene #	ug/l	10	EQS AA for Benzene	<5	<4	-	-	-	NA	<5	<5	<5	<5	<5	<5	-	-	-	NA	NA
Ethylbenzene #	ug/l	10	EQS AA for Benzene	<1	<5	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	NA
p/m-Xylene #	ug/l	10	EQS AA for Benzene	<2	<8	-	-	-	NA	<2	<2	<2	<2	<2	<2	-	-	-	NA	NA
o-Xylene #	ug/l	10	EQS AA for Benzene	<1	<3	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	NA
Sum of detected Xylenes	ug/l	10	EQS AA for Benzene		<11	-	-	-								-	-	-		
Sum of detected BTEX	ug/l	10	EQS AA for Benzene		<28	-	-	-								-	-	-		
MTBE #	ug/l	10	EQS AA for Benzene							NA	NA		NA	NA					<5	<5
Benzene #	ug/l	10	EQS AA for Benzene							NA	NA		NA	NA					<5	<5
Toluene #	ug/l	10	EQS AA for Benzene							NA	NA		NA	NA					<5	<5
Ethylbenzene #	ug/l	10	EQS AA for Benzene							NA	NA		NA	NA					<5	<5
m/p-Xylene #	ug/l	10	EQS AA for Benzene							NA	NA		NA	NA					<5	<5
o-Xylene #	ug/l	10	EQS AA for Benzene							NA	NA		NA	NA					<5	<5
VOC MS																				
1,1,1,2-Tetrachloroethane #	ug/l	0	Screened for detection	<2	<1	-	-	-	NA	<2	<2	<2	<2	<2	<2	-	-	-	NA	
1,1,1-Trichloroethane #	ug/l	0	Screened for detection	<2	<1	-	-	-	NA	<2	<2	<2	<2	<2	<2	-	-	-	NA	
1,1,2,2-Tetrachloroethane	ug/l	0	Screened for detection	<4	<1	-	-	-	NA	<4	<4	<4	<4	<4	<4	-	-	-	NA	
1,1,2-Trichloroethane #	ug/l	0	Screened for detection	<2	<1	-	-	-	NA	<2	<2	<2	<2	<2	<2	-	-	-	NA	
1,1-Dichloroethane #	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	
1,1-Dichloroethene (1,1 DCE) #	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	
1,1-Dichloropropene #	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	
1,2,3-Trichlorobenzene	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	
1,2,3-Trichloropropane #	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	
1,2,4-Trichlorobenzene	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	
1,2,4-Trimethylbenzene #	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	
1,2-Dibromo-3-chloropropane	ug/l	0	Screened for detection	<2	<1	-	-	-	NA	<2	<2	<2	<2	<2	<2	-	-	-	NA	
1,2-Dibromoethane #	ug/l	0	Screened for detection	<2	<1	-	-	-	NA	<2	<2	<2	<2	<2	<2	-	-	-	NA	
1,2-Dichlorobenzene #	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	
1,2-Dichloroethane #	ug/l	0	Screened for detection	<2	<1	-	-	-	NA	<2	<2	<2	<2	<2	<2	-	-	-	NA	
1,2-Dichloropropane #	ug/l	0	Screened for detection	<2	<1	-	-	-	NA	<2	<2	<2	<2	<2	<2	-	-	-	NA	
1,3,5-Trichlorobenzene	µg/l	0	Screened for detection		<1	-	-	-								-	-	-		
1,3,5-Trimethylbenzene #	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	
1,3-Dichlorobenzene #	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	
1,3-Dichloropropane #	ug/l	0	Screened for detection	<2	<1	-	-	-	NA	<2	<2	<2	<2	<2	<2	-	-	-	NA	
1,4-Dichlorobenzene #	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	
2,2-Dichloropropane	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
2-Chlorotoluene #	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	
4-Chlorotoluene #	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	
4-Isopropyltoluene #	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	

				Hole Name	BH345B	BH345	BH345B	BH345B	BH345B	BH346B	BH327	BH327	BH327	BH341	BH341	BH341	BH341	BH341	BH341	BH201	BH305
				Sampled Date	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	31/05/2017	12/06/2017	08/06/2017	31/05/2017	12/06/2017	08/06/2017	31/05/2017	01/12/2017	06/12/2017	12/12/2017	13/06/2017	05/06/2017
				Scheme Zone	4D	4D	4D	4D	4D	4D	4C	4C	4C	4C	4C	4C	4C	4C	4C	3A	3A
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
				Comment on location	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	u/s KRW landfill	u/s KRW landfill	u/s KRW landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	In MG4 Grassland Area	In MG4 Grassland Area
Benzene #	ug/l	10	UK EQS AA	<0.5	<1	-	-	-	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	NA	
Bromobenzene #	ug/l	0	Screened for detection	<2	<1	-	-	-	NA	<2	<2	<2	<2	<2	<2	-	-	-	NA	
Bromochloromethane #	ug/l	0	Screened for detection	<2	<1	-	-	-	NA	<2	<2	<2	<2	<2	<2	-	-	-	NA	
Bromodichloromethane #	ug/l	0	Screened for detection	<2	<1	-	-	-	NA	<2	<2	<2	<2	<2	<2	-	-	-	NA	
Bromoform #	ug/l	0	Screened for detection	<2	<1	-	-	-	NA	<2	<2	<2	<2	<2	<2	-	-	-	NA	
Bromomethane	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
Carbon disulphide	µg/l	0	Screened for detection		<1	-	-	-								-	-	-		
Carbon tetrachloride #	ug/l	0	Screened for detection	<2	<1	-	-	-	NA	<2	<2	<2	<2	<2	<2	-	-	-	NA	
Chlorobenzene #	ug/l	0	Screened for detection	<2	<1	-	-	-	NA	<2	<2	<2	<2	<2	<2	-	-	-	NA	
Chloroethane #	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	
Chloroform #	ug/l	0	Screened for detection	<2	<1	-	-	-	NA	<2	<2	<2	<2	<2	<2	-	-	-	NA	
Chloromethane #	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	
cis-1-2-Dichloroethene #	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	
cis-1-3-Dichloropropene	ug/l	0	Screened for detection	<2	<1	-	-	-	NA	<2	<2	<2	<2	<2	<2	-	-	-	NA	
Dibromochloromethane #	ug/l	0	Screened for detection	<2	<1	-	-	-	NA	<2	<2	<2	<2	<2	<2	-	-	-	NA	
Dibromomethane #	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	
Dichlorodifluoromethane	ug/l	0	Screened for detection	<2	<1	-	-	-	NA	<2	<2	<2	<2	<2	<2	-	-	-	NA	
Dichloromethane (DCM) #	ug/l	0	Screened for detection	<5	<3	-	-	-	NA	<5	<5	<5	<5	<5	<5	-	-	-	NA	
Ethylbenzene #	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
Hexachlorobutadiene	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	
Isopropylbenzene #	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	
Methyl Tertiary Butyl Ether #	ug/l	0	Screened for detection	<0.1	<1	-	-	-	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	NA	
Naphthalene	ug/l	0	Screened for detection	<2	<1	-	-	-	NA	<2	<2	<2	<2	<2	<2	-	-	-	NA	
n-Butylbenzene #	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	
o-Xylene #	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
p/m-Xylene #	ug/l	0	Screened for detection	<2	<1	-	-	-	NA	<2	<2	<2	<2	<2	<2	-	-	-	NA	
Propylbenzene #	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	
sec-Butylbenzene #	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	
Styrene	ug/l	0	Screened for detection	<2	<1	-	-	-	NA	<2	<2	<2	<2	<2	<2	-	-	-	NA	
tert-Amyl methyl ether (TAME)	µg/l	0	Screened for detection		<1	-	-	-								-	-	-		
tert-Butylbenzene #	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	
Tetrachloroethene (PCE) #	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	
Toluene #	ug/l	0	Screened for detection	<5	<1	-	-	-	NA	<5	<5	<5	<5	<5	<5	-	-	-	NA	
trans-1-2-Dichloroethene #	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	
trans-1-3-Dichloropropene	ug/l	0	Screened for detection	<2	<1	-	-	-	NA	<2	<2	<2	<2	<2	<2	-	-	-	NA	
Trichloroethene (TCE) #	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	
Trichlorofluoromethane #	ug/l	0	Screened for detection	<3	<1	-	-	-	NA	<3	<3	<3	<3	<3	<3	-	-	-	NA	
Vinyl Chloride #	ug/l	0	Screened for detection	<0.1	<1	-	-	-	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	NA	
SVOC MS																				
Phenols																				
2-Chlorophenol #	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
2-Methylphenol #	ug/l	0	Screened for detection	<0.5	<1	-	-	-	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	NA	
2-Nitrophenol	ug/l	0	Screened for detection	<0.5	<1	-	-	-	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	NA	
2,4-Dichlorophenol #	ug/l	0	Screened for detection	<0.5	<1	-	-	-	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	NA	
2,4-Dimethylphenol	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
2,4,5-Trichlorophenol #	ug/l	0	Screened for detection	<0.5	<1	-	-	-	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	NA	
2,4,6-Trichlorophenol	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	

				Hole Name	BH345B	BH345	BH345B	BH345B	BH345B	BH346B	BH327	BH327	BH327	BH341	BH341	BH341	BH341	BH341	BH341	BH201	BH305
				Sampled Date	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	31/05/2017	12/06/2017	08/06/2017	31/05/2017	12/06/2017	08/06/2017	31/05/2017	01/12/2017	06/12/2017	12/12/2017	13/06/2017	05/06/2017
				Scheme Zone	4D	4D	4D	4D	4D	4D	4C	4C	4C	4C	4C	4C	4C	4C	4C	3A	3A
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
				Comment on location	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	u/s KRW landfill	u/s KRW landfill	u/s KRW landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	In MG4 Grassland Area	In MG4 Grassland Area
4-Chloro-3-methylphenol #	ug/l	0	Screened for detection	<0.5	<1	-	-	-	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	NA	
4-Methylphenol	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
4-Nitrophenol	ug/l	0	Screened for detection	<10	<1	-	-	-	NA	<10	<10	<10	<10	<10	<10	-	-	-	NA	
Pentachlorophenol	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
Phenol	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
PAHs																					
Phthalates																					
Bis(2-ethylhexyl) phthalate	ug/l	0	Screened for detection	<5	<2	-	-	-	NA	<5	<5	<5	<5	<5	<5	-	-	-	NA	
Butylbenzyl phthalate	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
Di-n-butyl phthalate #	ug/l	0	Screened for detection	<1.5	<1	-	-	-	NA	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	-	-	-	NA	
Di-n-Octyl phthalate	ug/l	0	Screened for detection	<1	<5	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
Diethyl phthalate #	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
Dimethyl phthalate	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
Other SVOCs																					
1,2-Dichlorobenzene #	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
1,2,4-Trichlorobenzene #	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
1,3-Dichlorobenzene #	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
1,4-Dichlorobenzene #	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
2-Nitroaniline	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
2,4-Dinitrotoluene #	ug/l	0	Screened for detection	<0.5	<1	-	-	-	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	NA	
2,6-Dinitrotoluene	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
3-Nitroaniline	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
4-Bromophenylphenylether #	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
4-Chloroaniline	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
4-Chlorophenylphenylether #	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
4-Nitroaniline	ug/l	0	Screened for detection	<0.5	<1	-	-	-	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	NA	
Azobenzene #	ug/l	0	Screened for detection	<0.5	<1	-	-	-	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	NA	
Bis(2-chloroethoxy)methane #	ug/l	0	Screened for detection	<0.5	<1	-	-	-	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	NA	
Bis(2-chloroethyl)ether #	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
Carbazole #	ug/l	0	Screened for detection	<0.5	<1	-	-	-	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	NA	
Dibenzofuran #	ug/l	0	Screened for detection	<0.5	<1	-	-	-	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	NA	
Hexachlorobenzene #	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
Hexachlorobutadiene #	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
Hexachlorocyclopentadiene	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
Hexachloroethane #	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
Isophorone #	ug/l	0	Screened for detection	<0.5	<1	-	-	-	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	NA	
N-nitrosodi-n-propylamine #	ug/l	0	Screened for detection	<0.5	<1	-	-	-	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	NA	
Nitrobenzene #	ug/l	0	Screened for detection	<1	<1	-	-	-	NA	<1	<1	<1	<1	<1	<1	-	-	-	NA	
PCBs:																					
PCB 28	ug/l	0	Screened for detection	<0.1	0.02	-	-	-	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	NA	
PCB 52	ug/l	0	Screened for detection	<0.1	0.02	-	-	-	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	NA	
PCB 101	ug/l	0	Screened for detection	<0.1	0.02	-	-	-	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	NA	
PCB 105	µg/l	0	Screened for detection		0.02	-	-	-								-	-	-		
PCB 114	µg/l	0	Screened for detection		0.02	-	-	-								-	-	-		
PCB 118	ug/l	0	Screened for detection	<0.1	0.02	-	-	-	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	NA	
PCB 123	µg/l	0	Screened for detection		0.02	-	-	-								-	-	-		

				Hole Name	BH345B	BH345	BH345B	BH345B	BH345B	BH346B	BH327	BH327	BH327	BH341	BH341	BH341	BH341	BH341	BH341	BH201	BH305
				Sampled Date	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	31/05/2017	12/06/2017	08/06/2017	31/05/2017	12/06/2017	08/06/2017	31/05/2017	01/12/2017	06/12/2017	12/12/2017	13/06/2017	05/06/2017
				Scheme Zone	4D	4D	4D	4D	4D	4D	4C	4C	4C	4C	4C	4C	4C	4C	4C	3A	3A
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
				Comment on location	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	u/s KRW landfill	u/s KRW landfill	u/s KRW landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	In MG4 Grassland Area	In MG4 Grassland Area
PCB 126	µg/l	0	Screened for detection		0.02	-	-	-									-	-	-		
PCB 138	ug/l	0	Screened for detection	<0.1	0.02	-	-	-	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	NA	
PCB 153	ug/l	0	Screened for detection	<0.1	0.02	-	-	-	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	NA	
PCB 156	µg/l	0	Screened for detection		0.02	-	-	-									-	-	-		
PCB 157	µg/l	0	Screened for detection		0.02	-	-	-									-	-	-		
PCB 167	µg/l	0	Screened for detection		0.02	-	-	-									-	-	-		
PCB 169	µg/l	0	Screened for detection		0.02	-	-	-									-	-	-		
PCB 180	ug/l	0	Screened for detection	<0.1	0.02	-	-	-	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	NA	
PCB 189	µg/l	0	Screened for detection		0.02	-	-	-									-	-	-		
PCB congener 77	µg/l	0	Screened for detection		0.02	-	-	-									-	-	-		
PCB congener 81	µg/l	0	Screened for detection		0.02	-	-	-									-	-	-		
Total 7 PCBs	ug/l	0	Screened for detection	<0.7					NA	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7				NA		
Sum of detected EC7 PCB's	µg/l	0	Screened for detection		0.14	-	-	-									-	-	-		
Pesticides																					
Organochlorine Pesticides																					
Aldrin	ug/l	0	Screened for detection		<0.02	-	-	-			NA			NA			-	-	-		
Alpha-HCH (BHC)	ug/l	0	Screened for detection		<0.01	-	-	-			NA			NA			-	-	-		
Beta-HCH (BHC)	ug/l	0	Screened for detection		<0.01	-	-	-			NA			NA			-	-	-		
Chlorothalonil	ug/l	0	Screened for detection		<0.01	-	-	-			NA			NA			-	-	-		
cis-Chlordane	ug/l	0	Screened for detection		<0.01	-	-	-			NA			NA			-	-	-		
Delta-HCH (BHC)	ug/l	0	Screened for detection		<0.01	-	-	-			NA			NA			-	-	-		
Dieldrin	ug/l	0	Screened for detection		<0.01	-	-	-			NA			NA			-	-	-		
Disulfoton	µg/l	0	Screened for detection		<0.01	-	-	-									-	-	-		
Endosulphan I	ug/l	0	Screened for detection		<0.01	-	-	-			NA			NA			-	-	-		
Endosulphan II	ug/l	0	Screened for detection		<0.02	-	-	-			NA			NA			-	-	-		
Endosulphan sulphate	ug/l	0	Screened for detection		<0.02	-	-	-			NA			NA			-	-	-		
Endrin	ug/l	0	Screened for detection		<0.01	-	-	-			NA			NA			-	-	-		
Gamma-HCH (BHC)	ug/l	0	Screened for detection		<0.01	-	-	-			NA			NA			-	-	-		
Heptachlor	ug/l	0	Screened for detection		<0.02	-	-	-			NA			NA			-	-	-		
Heptachlor Epoxide	ug/l	0	Screened for detection		<0.01	-	-	-			NA			NA			-	-	-		
Hexachlorobenzene	ug/l	0	Screened for detection		<0.01	-	-	-			NA			NA			-	-	-		
Isodrin	ug/l	0	Screened for detection		<0.01	-	-	-			NA			NA			-	-	-		
o,p'-DDE	ug/l	0	Screened for detection		<0.01	-	-	-			NA			NA			-	-	-		
o,p'-DDT	ug/l	0	Screened for detection		<0.02	-	-	-			NA			NA			-	-	-		
o,p'-Methoxychlor	ug/l	0	Screened for detection		<0.02	-	-	-			NA			NA			-	-	-		
o,p'-TDE	ug/l	0	Screened for detection		<0.01	-	-	-			NA			NA			-	-	-		
p,p'-DDE	ug/l	0	Screened for detection		<0.01	-	-	-			NA			NA			-	-	-		
p,p'-DDT	ug/l	0	Screened for detection		<0.02	-	-	-			NA			NA			-	-	-		
p,p'-Methoxychlor	ug/l	0	Screened for detection		<0.02	-	-	-			NA			NA			-	-	-		
p,p'-TDE	ug/l	0	Screened for detection		<0.01	-	-	-			NA			NA			-	-	-		
Pendimethalin	ug/l	0	Screened for detection		<0.01	-	-	-			NA			NA			-	-	-		
Permethrin I	ug/l	0	Screened for detection		<0.01	-	-	-			NA			NA			-	-	-		
Permethrin II	ug/l	0	Screened for detection		<0.01	-	-	-			NA			NA			-	-	-		
Quintozene (PCNB)	ug/l	0	Screened for detection		<0.01	-	-	-			NA			NA			-	-	-		
Tecnazene	ug/l	0	Screened for detection		<0.01	-	-	-			NA			NA			-	-	-		
Telodrin	ug/l	0	Screened for detection		<0.01	-	-	-			NA			NA			-	-	-		
trans-Chlordane	ug/l	0	Screened for detection		<0.01	-	-	-			NA			NA			-	-	-		

				Hole Name	BH345B	BH345	BH345B	BH345B	BH345B	BH346B	BH327	BH327	BH327	BH341	BH341	BH341	BH341	BH341	BH341	BH201	BH305
				Sampled Date	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	31/05/2017	12/06/2017	08/06/2017	31/05/2017	12/06/2017	08/06/2017	31/05/2017	01/12/2017	06/12/2017	12/12/2017	13/06/2017	05/06/2017
				Scheme Zone	4D	4D	4D	4D	4D	4D	4C	4C	4C	4C	4C	4C	4C	4C	4C	3A	3A
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
				Comment on location	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	u/s KRW landfill	u/s KRW landfill	u/s KRW landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	In MG4 Grassland Area	In MG4 Grassland Area
Triadimefon	ug/l	0	Screened for detection		<0.01	-	-	-			NA			NA		-	-	-		
Triallate	ug/l	0	Screened for detection		<0.01	-	-	-			NA			NA		-	-	-		
Trifluralin	ug/l	0	Screened for detection		<0.01	-	-	-			NA			NA		-	-	-		
Organophosphorus Pesticides		0	Screened for detection																		
Azinphos ethyl	ug/l	0	Screened for detection									NA			NA						
Azinphos methyl	ug/l	0	Screened for detection									NA			NA						
Carbophenothion	ug/l	0	Screened for detection									NA			NA						
Chlorfenvinphos	ug/l	0	Screened for detection									NA			NA						
Chlorpyrifos	ug/l	0	Screened for detection									NA			NA						
Chlorpyrifos-methyl	ug/l	0	Screened for detection									NA			NA						
Diazinon	ug/l	0	Screened for detection									NA			NA						
Dichlorvos	ug/l	0	Screened for detection									NA			NA						
Disulfoton	ug/l	0	Screened for detection									NA			NA						
Dimethoate	ug/l	0	Screened for detection									NA			NA						
Ethion	ug/l	0	Screened for detection									NA			NA						
Ethyl Parathion (Parathion)	ug/l	0	Screened for detection									NA			NA						
Etrimphos	ug/l	0	Screened for detection									NA			NA						
Fenitrothion	ug/l	0	Screened for detection									NA			NA						
Fenthion	ug/l	0	Screened for detection									NA			NA						
Malathion	ug/l	0	Screened for detection									NA			NA						
Methyl Parathion	ug/l	0	Screened for detection									NA			NA						
Mevinphos	ug/l	0	Screened for detection									NA			NA						
Phosalone	ug/l	0	Screened for detection									NA			NA						
Pirimiphos Methyl	ug/l	0	Screened for detection									NA			NA						
Propetamphos	ug/l	0	Screened for detection									NA			NA						
Triazophos	ug/l	0	Screened for detection									NA			NA						
Benazolin	ug/l	0	Screened for detection	<0.1						NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	
Bentazone	ug/l	0	Screened for detection	<0.1						NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	
Bromoxynil	ug/l	0	Screened for detection	<0.1						NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	
Clopyralid	ug/l	0	Screened for detection	<0.1						NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	
4 - CPA	ug/l	0	Screened for detection	<0.1						NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	
2,4 - D	ug/l	0	Screened for detection	<0.1						NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	
2,4 - DB	ug/l	0	Screened for detection	<0.1						NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	
Dicamba	ug/l	0	Screened for detection	<0.1						NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	
Dichloroprop	ug/l	0	Screened for detection	<0.1						NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	
Diclofop	ug/l	0	Screened for detection	<0.1						NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	
Fenoprop	ug/l	0	Screened for detection	<0.1						NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	
Flamprop	ug/l	0	Screened for detection	<0.1						NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	
Flamprop – isopropyl	ug/l	0	Screened for detection	<0.1						NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	
Ioxynil	ug/l	0	Screened for detection	<0.1						NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	
MCPA	ug/l	0	Screened for detection	<0.1						NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	
MCPB	ug/l	0	Screened for detection	<0.1						NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	
Mecoprop	ug/l	0	Screened for detection	<0.1						NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	
Picloram	ug/l	0	Screened for detection	<0.1						NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	
Pentachlorophenol	ug/l	0	Screened for detection	<0.1						NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	
2,4,5 - T	ug/l	0	Screened for detection	<0.1						NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	
2,3,6 - TBA	ug/l	0	Screened for detection	<0.1						NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	

			Hole Name	BH345B	BH345	BH345B	BH345B	BH345B	BH346B	BH327	BH327	BH327	BH341	BH341	BH341	BH341	BH341	BH341	BH201	BH305
			Sampled Date	12/06/2017	17/11/2017	30/11/2017	05/12/2017	12/12/2017	31/05/2017	12/06/2017	08/06/2017	31/05/2017	12/06/2017	08/06/2017	31/05/2017	01/12/2017	06/12/2017	12/12/2017	13/06/2017	05/06/2017
			Scheme Zone	4D	4D	4D	4D	4D	4D	4C	4C	4C	4C	4C	4C	4C	4C	4C	3A	3A
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Kenn Rd. (W) landfill	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
			Comment on location	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	In landfill area	u/s KRW landfill	u/s KRW landfill	u/s KRW landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	u/s KRE landfill	In MG4 Grassland Area	In MG4 Grassland Area
Triclopyr	ug/l	0	Screened for detection	<0.1					NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	
Atrazine	ug/l	0	Screened for detection						<0.01		NA	NA		NA	NA					
Simazine	ug/l	0	Screened for detection						<0.01		NA	NA		NA	NA					
Monuron	ug/l	0	Screened for detection						<0.01		NA	NA		NA	NA					
Diuron	ug/l	0	Screened for detection						<0.01		NA	NA		NA	NA					
Linuron	ug/l	0	Screened for detection						<0.01		NA	NA		NA	NA					
Chlortoluron	ug/l	0	Screened for detection						<0.01		NA	NA		NA	NA					
Isoproturon	ug/l	0	Screened for detection						<0.01		NA	NA		NA	NA					
Carbetamide	ug/l	0	Screened for detection						<0.1		NA	NA		NA	NA					

				Hole Name	BH306	BH306 FF	BH306 OBS	BH307	BH312	BH350	BH350	BH351	BH351	BH352	BH353	BH354	BH356	BHCC1	BHCC4	BHUC1	BHUC2
				Sampled Date	05/06/2017	05/06/2017	13/06/2017	05/06/2017	06/06/2017	13/06/2017	05/06/2017	06/06/2017	13/06/2017	06/06/2017	06/06/2017	06/06/2017	08/06/2017	18/07/2017	18/07/2017	18/07/2017	18/07/2017
				Scheme Zone	3A	3A	3A	3A	3B	2B	2B	3B	3B	3C	3C	3C	4C	3C	3C	3B	3B
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
				Comment on location	In MG4 Grassland Area	In MG4 Grassland Area	In MG4 Grassland Area	In MG4 Grassland Area													
Test	**Units**	**Initial Screen - ing Value**	**Source of Screening Value**																		
pH[1]	pH units	6.5	EQS	7.35	7.37	7.15	7.38	7.21	7.17	7.01	7.13	6.93	7.28	7.29	7.25	7.5	7.43	7.46	7.12	7.13
Total Alkalinity, Bicarbonate as CaCO3	mg/l		Indicator only	429	406	NA	280	1733	NA	292	666		2064	1437	785	374	354	322	388	390
Dissolved Organic Carbon	mg/l		Indicator only	4	3	NA	2	4	NA	5	6		3	<2	2	5	7	9	12	10
Chloride	mg/l	250	UK DWS	41.5	42.4	NA	94.3	26.3	NA	122	19.2		34.5	36.5	50	33	247.9	53.3	21.7	21.3
Nitrate as NO3	mg/l	50	UK DWS	<0.2	1.2	NA	0.4	<0.2	NA	<0.2	<0.2		5.3	2.5	3.5	<0.2	6.6	4.9	<0.2	<0.2
Sulphate	mg/l	250	UK DWS	38	38	40.5	66.7	33.1	22.8	182.2	36.2	36.4	42.6	46.8	62.1	41.6	110.4	63.3	44.3	44.5
Ortho Phosphate as PO4 [#]	mg/l	0.06	Notional standard	<0.06	<0.06	NA	<0.06	<0.06	NA	<0.06	<0.06		<0.06	<0.06	<0.06	0.17	<0.06	<0.06	<0.06	<0.06
Ammoniacal Nitrogen as N [#]	mg/l	0.6	EQS for rivers	0.22	0.25		0.18	0.46		0.19	0.47		0.05	0.05	<0.03	0.55	0.05	<0.03	0.47	0.46
Ortho Phosphate as PO4 [#]	mg/l	0.06	Previous EQS AA (Good for lowland, hard waters)	<0.06	<0.06	NA	<0.06	<0.06	NA	<0.06	<0.06		<0.06	<0.06	<0.06	0.17	<0.06	<0.06	<0.06	<0.06
Metals																				
Dissolved Arsenic [#]	ug/l	50	EQS AA	<2.5	<2.5	NA	<2.5	5.2	NA	6.9	<2.5	NA	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	2.9	5.5
Dissolved Boron	ug/l	1000	UK DWS	53	51	NA	151	68	NA	157	104	NA	50	55	49	79	57	51	53	52
Dissolved Cadmium [#]	ug/l	0.25	EQS AA (Hard water)	<0.5	<0.5	NA	<0.5	<0.5	NA	<0.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total Dissolved Chromium [#]	ug/l	3.4	EQS AA for Cr VI	2.1	1.5	NA	<1.5	<1.5	NA	<1.5	<1.5	NA	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Hexavalent Chromium	mg/l	3.4	EQS AA for Cr VI	<0.006	<0.006	NA	<0.006	<0.006	NA	<0.006	<0.006		<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Dissolved Copper [#]	ug/l	1	Min. EQS AA (Bioavailable)	<7	<7	NA	<7	<7	NA	<7	<7	NA	<7	<7	<7	<7	<7	<7	<7	<7
Dissolved Lead [#]	ug/l	1.2	Min. EQS AA (Bioavailable)	<5	<5	NA	<5	<5	NA	<5	<5	NA	<5	<5	<5	<5	<5	<5	<5	<5
Dissolved Nickel [#]	ug/l	4	Min. EQS AA (Bioavailable)	2	2	NA	3	<2	NA	4	<2	NA	<2	<2	<2	<2	<2	<2	8	9
Dissolved Zinc [#]	ug/l	10.9	Min. EQS AA (Bioavailable)	10	12	NA	29	<3	NA	10	7	NA	<3	25	12	6	<3	<3	<3	<3
Mercury Dissolved by CVAF	ug/l	0.07	EQS MAC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Mercury [#]	ug/l	0.07	EQS MAC	<1	<1	NA	<1	<1	NA	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1
Dissolved Calcium [#]	mg/l		Indicator only	133.1	130.6	NA	158.7	129.1	NA	160.2	180		131.2	143.4	167.7	141.8	119.9	139.3	148.3	149.9
Dissolved Magnesium [#]	mg/l		Indicator only	3.2	3.4	NA	4.5	3.2	NA	4.5	4.3		3	2.6	3.6	3.7	15.4	4	3.7	3.7
Dissolved Sodium [#]	mg/l		Indicator only	16.8	16	NA	67.5	17.9	NA	67	18.8		26.3	27.1	27.7	25.9	164.8	34.9	22.6	22.4
Phenols																				
Total Phenols HPLC	mg/l	0.0077	EQS AA	<0.1	<0.1	NA	<0.1	<0.1	NA	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenol	mg/l	0.0077	EQS AA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAH MS																				
Acenaphthylene [#]	ug/l	0	Screened for detection	<0.013	<0.013	NA	<0.013	<0.013	NA	<0.013	<0.013	NA	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Anthracene [#]	ug/l	0.1	EQS AA	<0.013	<0.013	NA	<0.013	<0.013	NA	<0.013	<0.013	NA	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Benzo(a)anthracene [#]	ug/l	0	Screened for detection	<0.015	<0.015	NA	<0.015	<0.015	NA	<0.015	<0.015	NA	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Benzo(a)pyrene [#]	ug/l	0.00017	EQS AA	<0.016	<0.016	NA	<0.016	<0.016	NA	<0.016	<0.016	NA	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016
Benzo(b)fluoranthene	ug/l	0.017	EQS MAC	<0.01	<0.01	NA	<0.01	<0.01	NA	<0.01	<0.01	NA	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01
Benzo(ghi)perylene [#]	ug/l	0.0082	EQS MAC	<0.011	<0.011	NA	<0.011	<0.011	NA	<0.011	<0.011	NA	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Benzo(k)fluoranthene	ug/l	0.017	EQS MAC	<0.01	<0.01	NA	<0.01	<0.01	NA	<0.01	<0.01	NA	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chrysene [#]	ug/l	0	Screened for detection	<0.011	<0.011	NA	<0.011	<0.011	NA	<0.011	<0.011	NA	<0.011	<0.011	<0.011	<0.011	0.02	0.01	0.02	0.02
Dibenzo(ah)anthracene [#]	ug/l	0	Screened for detection	<0.01	<0.01	NA	<0.01	<0.01	NA	<0.01	<0.01	NA	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01
Fluoranthene [#]	ug/l	0.0063	EQS AA	<0.012	<0.012	NA	<0.012	<0.012	NA	<0.012	<0.012	NA	<0.012	<0.012	<0.012	<0.012	0.01	<0.012	0.02	0.02
Fluorene [#]	ug/l	0	Screened for detection	<0.014	<0.014	NA	<0.014	<0.014	NA	<0.014	<0.014	NA	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	0.01
Indeno(123cd)pyrene [#]	ug/l	0	Screened for detection	<0.011	<0.011	NA	<0.011	<0.011	NA	<0.011	<0.011	NA	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Naphthalene [#]	ug/l	2	EQS AA	<0.1	<0.1	NA	<0.1	<0.1	NA	<0.1	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.10	0.10

			Hole Name	BH306	BH306 FF	BH306 OBS	BH307	BH312	BH350	BH350	BH351	BH351	BH352	BH353	BH354	BH356	BHCC1	BHCC4	BHUC1	BHUC2
			Sampled Date	05/06/2017	05/06/2017	13/06/2017	05/06/2017	06/06/2017	13/06/2017	05/06/2017	06/06/2017	13/06/2017	06/06/2017	06/06/2017	06/06/2017	08/06/2017	18/07/2017	18/07/2017	18/07/2017	18/07/2017
			Scheme Zone	3A	3A	3A	3A	3B	2B	2B	3B	3B	3C	3C	3C	4C	3C	3C	3B	3B
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
			Comment on location	In MG4 Grassland Area	In MG4 Grassland Area	In MG4 Grassland Area	In MG4 Grassland Area													
Phenanthrene #	ug/l	0	Screened for detection	<0.011	<0.011	NA	<0.011	<0.011	NA	<0.011	<0.011	NA	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Pyrene #	ug/l	0	Screened for detection	<0.013	<0.013	NA	<0.013	<0.013	NA	<0.013	<0.013	NA	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	0.02	0.02
PAH 16 Total #	ug/l		n/a -sum of above	<0.195	<0.195	NA	<0.195	<0.195	NA	<0.195	<0.195	NA	<0.195	<0.195	<0.195	<0.195	<0.195	<0.195	<0.195	<0.195
PAH, Total Detected USEPA 16 (	µg/l																			
Benzo(bk)fluoranthene #	ug/l	0	Screened for detection	<0.018	<0.018	NA	<0.018	<0.018	NA	<0.018	<0.018	NA	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	0.02	<0.018
Acenaphthene #	ug/l	0	Screened for detection	<0.013	<0.013	NA	<0.013	<0.013	NA	<0.013	<0.013	NA	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
2-Chloronaphthalene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
2-Methylnaphthalene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Naphthalene #	ug/l	2	UK EQS AA			NA			NA			NA				NA				
Acenaphthylene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Acenaphthene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Fluorene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Phenanthrene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Anthracene #	ug/l	0.1	EQS AA			NA			NA			NA				NA				
Fluoranthene #	ug/l	0.0063	EQS AA			NA			NA			NA				NA				
Pyrene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Benzo(a)anthracene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Chrysene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Benzo(bk)fluoranthene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Benzo(a)pyrene	ug/l	0.00017	EQS AA			NA			NA			NA				NA				
Indeno(123cd)pyrene	ug/l	0	Screened for detection			NA			NA			NA				NA				
Dibenzo(ah)anthracene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Benzo(ghi)perylene #	ug/l	0.0082	EQS MAC			NA			NA			NA				NA				
Benzo(b)fluoranthene (aq)	µg/l	0.017	EQS MAC																	
Benzo(k)fluoranthene (aq)	µg/l	0.017	EQS MAC																	
TPH CWG																				
Aliphatics																				
>C5-C6 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	NA	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	<10
>C6-C8 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	NA	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	<10
>C8-C10 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	NA	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	<10
>C10-C12 #	ug/l	10	EQS AA for Benzene	<5	<5	NA	<5	<5	NA	<5	<5	NA	<5	<5	<5	<5	<5	<5	<5	<5
>C12-C16 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	NA	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	<10
>C16-C21 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	NA	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	<10
>C21-C35 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	NA	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	<10
Total aliphatics C5-35 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	NA	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	<10
Total Aliphatics >C12-C35 (aq)	ug/l	10	EQS AA for Benzene																	
Aromatics																				
>C5-EC7 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	NA	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	<10
>EC7-EC8 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	NA	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	<10
>EC8-EC10 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	NA	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	<10
>EC10-EC12 #	ug/l	10	EQS AA for Benzene	<5	<5	NA	<5	<5	NA	<5	<5	NA	<5	<5	<5	<5	<5	<5	<5	<5
>EC12-EC16 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	NA	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	<10
>EC16-EC21 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	NA	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	<10
>EC21-EC35 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	NA	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	<10

				Hole Name	BH306	BH306 FF	BH306 OBS	BH307	BH312	BH350	BH350	BH351	BH351	BH352	BH353	BH354	BH356	BHCC1	BHCC4	BHUC1	BHUC2
				Sampled Date	05/06/2017	05/06/2017	13/06/2017	05/06/2017	06/06/2017	13/06/2017	05/06/2017	06/06/2017	13/06/2017	06/06/2017	06/06/2017	06/06/2017	08/06/2017	18/07/2017	18/07/2017	18/07/2017	18/07/2017
				Scheme Zone	3A	3A	3A	3A	3B	2B	2B	3B	3B	3C	3C	3C	4C	3C	3C	3B	3B
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
				Comment on location	In MG4 Grassland Area	In MG4 Grassland Area	In MG4 Grassland Area	In MG4 Grassland Area													
Total Aromatics >EC12-EC35 (ac	µg/l	10	EQS AA for Benzene																	
Total aromatics C5-35 #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	NA	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	<10
Total aliphatics and aromatics(C5-35) #	ug/l	10	EQS AA for Benzene	<10	<10	NA	<10	<10	NA	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	<10
Aliphatics >C16-C35 Aqueous	µg/l	10	EQS AA for Benzene																	
GRO >C5-C12	µg/l	10	EQS AA for Benzene																	
BTEX/MTBE MS																				
Methyl Tertiary Butyl Ether #	ug/l	10	EQS AA for Benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene #	ug/l	10	EQS AA for Benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene #	ug/l	10	EQS AA for Benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene #	ug/l	10	EQS AA for Benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p/m-Xylene #	ug/l	10	EQS AA for Benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene #	ug/l	10	EQS AA for Benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sum of detected Xylenes	ug/l	10	EQS AA for Benzene																	
Sum of detected BTEX	ug/l	10	EQS AA for Benzene																	
MTBE #	ug/l	10	EQS AA for Benzene	<5	<5	NA	<5	<5	NA	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5
Benzene #	ug/l	10	EQS AA for Benzene	<5	<5	NA	<5	<5	NA	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5
Toluene #	ug/l	10	EQS AA for Benzene	<5	<5	NA	<5	<5	NA	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene #	ug/l	10	EQS AA for Benzene	<5	<5	NA	<5	<5	NA	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5
m/p-Xylene #	ug/l	10	EQS AA for Benzene	<5	<5	NA	<5	<5	NA	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5
o-Xylene #	ug/l	10	EQS AA for Benzene	<5	<5	NA	<5	<5	NA	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5
VOC MS																				
1,1,1,2-Tetrachloroethane #	ug/l	0	Screened for detection			NA			NA			NA				NA				
1,1,1-Trichloroethane #	ug/l	0	Screened for detection			NA			NA			NA				NA				
1,1,2,2-Tetrachloroethane	ug/l	0	Screened for detection			NA			NA			NA				NA				
1,1,2-Trichloroethane #	ug/l	0	Screened for detection			NA			NA			NA				NA				
1,1-Dichloroethane #	ug/l	0	Screened for detection			NA			NA			NA				NA				
1,1-Dichloroethene (1,1 DCE) #	ug/l	0	Screened for detection			NA			NA			NA				NA				
1,1-Dichloropropene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
1,2,3-Trichlorobenzene	ug/l	0	Screened for detection			NA			NA			NA				NA				
1,2,3-Trichloropropane #	ug/l	0	Screened for detection			NA			NA			NA				NA				
1,2,4-Trichlorobenzene	ug/l	0	Screened for detection			NA			NA			NA				NA				
1,2,4-Trimethylbenzene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
1,2-Dibromo-3-chloropropane	ug/l	0	Screened for detection			NA			NA			NA				NA				
1,2-Dibromoethane #	ug/l	0	Screened for detection			NA			NA			NA				NA				
1,2-Dichlorobenzene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
1,2-Dichloroethane #	ug/l	0	Screened for detection			NA			NA			NA				NA				
1,2-Dichloropropane #	ug/l	0	Screened for detection			NA			NA			NA				NA				
1,3,5-Trichlorobenzene	µg/l	0	Screened for detection																	
1,3,5-Trimethylbenzene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
1,3-Dichlorobenzene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
1,3-Dichloropropane #	ug/l	0	Screened for detection			NA			NA			NA				NA				
1,4-Dichlorobenzene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
2,2-Dichloropropane	ug/l	0	Screened for detection			NA			NA			NA				NA				
2-Chlorotoluene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
4-Chlorotoluene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
4-Isopropyltoluene #	ug/l	0	Screened for detection			NA			NA			NA				NA				

				Hole Name	BH306	BH306 FF	BH306 OBS	BH307	BH312	BH350	BH350	BH351	BH351	BH352	BH353	BH354	BH356	BHCC1	BHCC4	BHUC1	BHUC2
				Sampled Date	05/06/2017	05/06/2017	13/06/2017	05/06/2017	06/06/2017	13/06/2017	05/06/2017	06/06/2017	13/06/2017	06/06/2017	06/06/2017	06/06/2017	08/06/2017	18/07/2017	18/07/2017	18/07/2017	18/07/2017
				Scheme Zone	3A	3A	3A	3A	3B	2B	2B	3B	3B	3C	3C	3C	4C	3C	3C	3B	3B
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
				Comment on location	In MG4 Grassland Area	In MG4 Grassland Area	In MG4 Grassland Area	In MG4 Grassland Area													
Benzene #	ug/l	10	UK EQS AA			NA			NA			NA				NA				
Bromobenzene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Bromochloromethane #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Bromodichloromethane #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Bromoform #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Bromomethane	ug/l	0	Screened for detection			NA			NA			NA				NA				
Carbon disulphide	µg/l	0	Screened for detection																	
Carbon tetrachloride #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Chlorobenzene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Chloroethane #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Chloroform #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Chloromethane #	ug/l	0	Screened for detection			NA			NA			NA				NA				
cis-1-2-Dichloroethene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
cis-1-3-Dichloropropene	ug/l	0	Screened for detection			NA			NA			NA				NA				
Dibromochloromethane #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Dibromomethane #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Dichlorodifluoromethane	ug/l	0	Screened for detection			NA			NA			NA				NA				
Dichloromethane (DCM) #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Ethylbenzene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Hexachlorobutadiene	ug/l	0	Screened for detection			NA			NA			NA				NA				
Isopropylbenzene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Methyl Tertiary Butyl Ether #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Naphthalene	ug/l	0	Screened for detection			NA			NA			NA				NA				
n-Butylbenzene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
o-Xylene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
p/m-Xylene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Propylbenzene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
sec-Butylbenzene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Styrene	ug/l	0	Screened for detection			NA			NA			NA				NA				
tert-Amyl methyl ether (TAME)	µg/l	0	Screened for detection																	
tert-Butylbenzene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Tetrachloroethene (PCE) #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Toluene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
trans-1-2-Dichloroethene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
trans-1-3-Dichloropropene	ug/l	0	Screened for detection			NA			NA			NA				NA				
Trichloroethene (TCE) #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Trichlorofluoromethane #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Vinyl Chloride #	ug/l	0	Screened for detection			NA			NA			NA				NA				
SVOC MS																				
Phenols																				
2-Chlorophenol #	ug/l	0	Screened for detection			NA			NA			NA				NA				
2-Methylphenol #	ug/l	0	Screened for detection			NA			NA			NA				NA				
2-Nitrophenol	ug/l	0	Screened for detection			NA			NA			NA				NA				
2,4-Dichlorophenol #	ug/l	0	Screened for detection			NA			NA			NA				NA				
2,4-Dimethylphenol	ug/l	0	Screened for detection			NA			NA			NA				NA				
2,4,5-Trichlorophenol #	ug/l	0	Screened for detection			NA			NA			NA				NA				
2,4,6-Trichlorophenol	ug/l	0	Screened for detection			NA			NA			NA				NA				

			Hole Name	BH306	BH306 FF	BH306 OBS	BH307	BH312	BH350	BH350	BH351	BH351	BH352	BH353	BH354	BH356	BHCC1	BHCC4	BHUC1	BHUC2
			Sampled Date	05/06/2017	05/06/2017	13/06/2017	05/06/2017	06/06/2017	13/06/2017	05/06/2017	06/06/2017	13/06/2017	06/06/2017	06/06/2017	06/06/2017	08/06/2017	18/07/2017	18/07/2017	18/07/2017	18/07/2017
			Scheme Zone	3A	3A	3A	3A	3B	2B	2B	3B	3B	3C	3C	3C	4C	3C	3C	3B	3B
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
			Comment on location	In MG4 Grassland Area	In MG4 Grassland Area	In MG4 Grassland Area	In MG4 Grassland Area													
4-Chloro-3-methylphenol #	ug/l	0	Screened for detection			NA			NA			NA				NA				
4-Methylphenol	ug/l	0	Screened for detection			NA			NA			NA				NA				
4-Nitrophenol	ug/l	0	Screened for detection			NA			NA			NA				NA				
Pentachlorophenol	ug/l	0	Screened for detection			NA			NA			NA				NA				
Phenol	ug/l	0	Screened for detection			NA			NA			NA				NA				
PAHs																				
Phthalates																				
Bis(2-ethylhexyl) phthalate	ug/l	0	Screened for detection			NA			NA			NA				NA				
Butylbenzyl phthalate	ug/l	0	Screened for detection			NA			NA			NA				NA				
Di-n-butyl phthalate #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Di-n-Octyl phthalate	ug/l	0	Screened for detection			NA			NA			NA				NA				
Diethyl phthalate #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Dimethyl phthalate	ug/l	0	Screened for detection			NA			NA			NA				NA				
Other SVOCs																				
1,2-Dichlorobenzene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
1,2,4-Trichlorobenzene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
1,3-Dichlorobenzene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
1,4-Dichlorobenzene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
2-Nitroaniline	ug/l	0	Screened for detection			NA			NA			NA				NA				
2,4-Dinitrotoluene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
2,6-Dinitrotoluene	ug/l	0	Screened for detection			NA			NA			NA				NA				
3-Nitroaniline	ug/l	0	Screened for detection			NA			NA			NA				NA				
4-Bromophenylphenylether #	ug/l	0	Screened for detection			NA			NA			NA				NA				
4-Chloroaniline	ug/l	0	Screened for detection			NA			NA			NA				NA				
4-Chlorophenylphenylether #	ug/l	0	Screened for detection			NA			NA			NA				NA				
4-Nitroaniline	ug/l	0	Screened for detection			NA			NA			NA				NA				
Azobenzene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Bis(2-chloroethoxy)methane #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Bis(2-chloroethyl)ether #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Carbazole #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Dibenzofuran #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Hexachlorobenzene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Hexachlorobutadiene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Hexachlorocyclopentadiene	ug/l	0	Screened for detection			NA			NA			NA				NA				
Hexachloroethane #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Isophorone #	ug/l	0	Screened for detection			NA			NA			NA				NA				
N-nitrosodi-n-propylamine #	ug/l	0	Screened for detection			NA			NA			NA				NA				
Nitrobenzene #	ug/l	0	Screened for detection			NA			NA			NA				NA				
PCBs:																				
PCB 28	ug/l	0	Screened for detection			NA			NA			NA				NA				
PCB 52	ug/l	0	Screened for detection			NA			NA			NA				NA				
PCB 101	ug/l	0	Screened for detection			NA			NA			NA				NA				
PCB 105	µg/l	0	Screened for detection																	
PCB 114	µg/l	0	Screened for detection																	
PCB 118	ug/l	0	Screened for detection			NA			NA			NA				NA				
PCB 123	µg/l	0	Screened for detection																	

			Hole Name	BH306	BH306 FF	BH306 OBS	BH307	BH312	BH350	BH350	BH351	BH351	BH352	BH353	BH354	BH356	BHCC1	BHCC4	BHUC1	BHUC2
			Sampled Date	05/06/2017	05/06/2017	13/06/2017	05/06/2017	06/06/2017	13/06/2017	05/06/2017	06/06/2017	13/06/2017	06/06/2017	06/06/2017	06/06/2017	08/06/2017	18/07/2017	18/07/2017	18/07/2017	18/07/2017
			Scheme Zone	3A	3A	3A	3A	3B	2B	2B	3B	3B	3C	3C	3C	4C	3C	3C	3B	3B
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
			Comment on location	In MG4 Grassland Area	In MG4 Grassland Area	In MG4 Grassland Area	In MG4 Grassland Area													
PCB 126	µg/l	0	Screened for detection																	
PCB 138	ug/l	0	Screened for detection			NA			NA			NA				NA				
PCB 153	ug/l	0	Screened for detection			NA			NA			NA				NA				
PCB 156	µg/l	0	Screened for detection																	
PCB 157	µg/l	0	Screened for detection																	
PCB 167	µg/l	0	Screened for detection																	
PCB 169	µg/l	0	Screened for detection																	
PCB 180	ug/l	0	Screened for detection			NA			NA			NA				NA				
PCB 189	µg/l	0	Screened for detection																	
PCB congener 77	µg/l	0	Screened for detection																	
PCB congener 81	µg/l	0	Screened for detection																	
Total 7 PCBs	ug/l	0	Screened for detection			NA			NA			NA				NA				
Sum of detected EC7 PCB's	µg/l	0	Screened for detection																	
Pesticides																				
Organochlorine Pesticides																				
Aldrin	ug/l	0	Screened for detection													NA				
Alpha-HCH (BHC)	ug/l	0	Screened for detection													NA				
Beta-HCH (BHC)	ug/l	0	Screened for detection													NA				
Chlorothalonil	ug/l	0	Screened for detection													NA				
cis-Chlordane	ug/l	0	Screened for detection													NA				
Delta-HCH (BHC)	ug/l	0	Screened for detection													NA				
Dieldrin	ug/l	0	Screened for detection													NA				
Disulfoton	µg/l	0	Screened for detection																	
Endosulphan I	ug/l	0	Screened for detection													NA				
Endosulphan II	ug/l	0	Screened for detection													NA				
Endosulphan sulphate	ug/l	0	Screened for detection													NA				
Endrin	ug/l	0	Screened for detection													NA				
Gamma-HCH (BHC)	ug/l	0	Screened for detection													NA				
Heptachlor	ug/l	0	Screened for detection													NA				
Heptachlor Epoxide	ug/l	0	Screened for detection													NA				
Hexachlorobenzene	ug/l	0	Screened for detection													NA				
Isodrin	ug/l	0	Screened for detection													NA				
o,p'-DDE	ug/l	0	Screened for detection													NA				
o,p'-DDT	ug/l	0	Screened for detection													NA				
o,p'-Methoxychlor	ug/l	0	Screened for detection													NA				
o,p'-TDE	ug/l	0	Screened for detection													NA				
p,p'-DDE	ug/l	0	Screened for detection													NA				
p,p'-DDT	ug/l	0	Screened for detection													NA				
p,p'-Methoxychlor	ug/l	0	Screened for detection													NA				
p,p'-TDE	ug/l	0	Screened for detection													NA				
Pendimethalin	ug/l	0	Screened for detection													NA				
Permethrin I	ug/l	0	Screened for detection													NA				
Permethrin II	ug/l	0	Screened for detection													NA				
Quintozene (PCNB)	ug/l	0	Screened for detection													NA				
Tecnazene	ug/l	0	Screened for detection													NA				
Telodrin	ug/l	0	Screened for detection													NA				
trans-Chlordane	ug/l	0	Screened for detection													NA				

				Hole Name	BH306	BH306 FF	BH306 OBS	BH307	BH312	BH350	BH350	BH351	BH351	BH352	BH353	BH354	BH356	BHCC1	BHCC4	BHUC1	BHUC2
				Sampled Date	05/06/2017	05/06/2017	13/06/2017	05/06/2017	06/06/2017	13/06/2017	05/06/2017	06/06/2017	13/06/2017	06/06/2017	06/06/2017	06/06/2017	08/06/2017	18/07/2017	18/07/2017	18/07/2017	18/07/2017
				Scheme Zone	3A	3A	3A	3A	3B	2B	2B	3B	3B	3C	3C	3C	4C	3C	3C	3B	3B
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
				Comment on location	In MG4 Grassland Area	In MG4 Grassland Area	In MG4 Grassland Area	In MG4 Grassland Area													
Triadimefon	ug/l	0	Screened for detection														NA				
Triallate	ug/l	0	Screened for detection														NA				
Trifluralin	ug/l	0	Screened for detection														NA				
Organophosphorus Pesticides		0	Screened for detection																		
Azinphos ethyl	ug/l	0	Screened for detection														NA				
Azinphos methyl	ug/l	0	Screened for detection														NA				
Carbophenothion	ug/l	0	Screened for detection														NA				
Chlorfenvinphos	ug/l	0	Screened for detection														NA				
Chlorpyrifos	ug/l	0	Screened for detection														NA				
Chlorpyrifos-methyl	ug/l	0	Screened for detection														NA				
Diazinon	ug/l	0	Screened for detection														NA				
Dichlorvos	ug/l	0	Screened for detection														NA				
Disulfoton	ug/l	0	Screened for detection														NA				
Dimethoate	ug/l	0	Screened for detection														NA				
Ethion	ug/l	0	Screened for detection														NA				
Ethyl Parathion (Parathion)	ug/l	0	Screened for detection														NA				
Etrimphos	ug/l	0	Screened for detection														NA				
Fenitrothion	ug/l	0	Screened for detection														NA				
Fenthion	ug/l	0	Screened for detection														NA				
Malathion	ug/l	0	Screened for detection														NA				
Methyl Parathion	ug/l	0	Screened for detection														NA				
Mevinphos	ug/l	0	Screened for detection														NA				
Phosalone	ug/l	0	Screened for detection														NA				
Pirimiphos Methyl	ug/l	0	Screened for detection														NA				
Propetamphos	ug/l	0	Screened for detection														NA				
Triazophos	ug/l	0	Screened for detection														NA				
Benazolin	ug/l	0	Screened for detection				NA			NA			NA				NA				
Bentazone	ug/l	0	Screened for detection				NA			NA			NA				NA				
Bromoxynil	ug/l	0	Screened for detection				NA			NA			NA				NA				
Clopyralid	ug/l	0	Screened for detection				NA			NA			NA				NA				
4 - CPA	ug/l	0	Screened for detection				NA			NA			NA				NA				
2,4 - D	ug/l	0	Screened for detection				NA			NA			NA				NA				
2,4 - DB	ug/l	0	Screened for detection				NA			NA			NA				NA				
Dicamba	ug/l	0	Screened for detection				NA			NA			NA				NA				
Dichloroprop	ug/l	0	Screened for detection				NA			NA			NA				NA				
Diclofop	ug/l	0	Screened for detection				NA			NA			NA				NA				
Fenoprop	ug/l	0	Screened for detection				NA			NA			NA				NA				
Flamprop	ug/l	0	Screened for detection				NA			NA			NA				NA				
Flamprop – isopropyl	ug/l	0	Screened for detection				NA			NA			NA				NA				
Ioxynil	ug/l	0	Screened for detection				NA			NA			NA				NA				
MCPA	ug/l	0	Screened for detection				NA			NA			NA				NA				
MCPB	ug/l	0	Screened for detection				NA			NA			NA				NA				
Mecoprop	ug/l	0	Screened for detection				NA			NA			NA				NA				
Picloram	ug/l	0	Screened for detection				NA			NA			NA				NA				
Pentachlorophenol	ug/l	0	Screened for detection				NA			NA			NA				NA				
2,4,5 - T	ug/l	0	Screened for detection				NA			NA			NA				NA				
2,3,6 - TBA	ug/l	0	Screened for detection				NA			NA			NA				NA				

			Hole Name	BH306	BH306 FF	BH306 OBS	BH307	BH312	BH350	BH350	BH351	BH351	BH352	BH353	BH354	BH356	BHCC1	BHCC4	BHUC1	BHUC2
			Sampled Date	05/06/2017	05/06/2017	13/06/2017	05/06/2017	06/06/2017	13/06/2017	05/06/2017	06/06/2017	13/06/2017	06/06/2017	06/06/2017	06/06/2017	08/06/2017	18/07/2017	18/07/2017	18/07/2017	18/07/2017
			Scheme Zone	3A	3A	3A	3A	3B	2B	2B	3B	3B	3C	3C	3C	4C	3C	3C	3B	3B
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)	Main Channel (BR-OAR)
			Comment on location	In MG4 Grassland Area	In MG4 Grassland Area	In MG4 Grassland Area	In MG4 Grassland Area													
Triclopyr	ug/l	0	Screened for detection			NA			NA			NA				NA				
Atrazine	ug/l	0	Screened for detection													NA				
Simazine	ug/l	0	Screened for detection													NA				
Monuron	ug/l	0	Screened for detection													NA				
Diuron	ug/l	0	Screened for detection													NA				
Linuron	ug/l	0	Screened for detection													NA				
Chlortoluron	ug/l	0	Screened for detection													NA				
Isoproturon	ug/l	0	Screened for detection													NA				
Carbetamide	ug/l	0	Screened for detection													NA				

				Hole Name	BH313	BH313	BH313	BH313	BH313	BH313	BH313
				Sampled Date	12/06/2017	06/06/2017	30/05/2017	13/06/2017	29/11/2017	06/12/2017	13/12/2017
				Scheme Zone	3E	3E	3E	3E	3E	3E	3E
				Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD
				Feature	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir
				Comment on location	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill
Test	**Units**	**Initial Screen - ing Value**	**Source of Screening Value**							
pH[1]	pH units	6.5	EQS	7.79	7.48		8.31	7.61	7.45	7.49
Total Alkalinity, Bicarbonate as CaCO3	mg/l		Indicator only	NA	454			370	1260	520
Dissolved Organic Carbon	mg/l		Indicator only	NA	6			4.65	3.97	3.17
Chloride	mg/l	250	UK DWS	NA	30.5			24.1	26.3	34.5
Nitrate as NO3	mg/l	50	UK DWS	NA	<0.2			<0.3	<0.3	<0.3
Sulphate	mg/l	250	UK DWS	94.8	88.7		92.5	83.3	78.3	75
Ortho Phosphate as PO4 #	mg/l	0.06	Notional standard	NA	<0.06			<0.05	<0.05	<0.05
Ammoniacal Nitrogen as N #	mg/l	0.6	EQS for rivers		0.21			<0.2	0.317	<0.2
Ortho Phosphate as PO4 #	mg/l	0.06	Previous EQS AA (Good for lowland, hard waters)	NA	<0.06					
Metals										
Dissolved Arsenic #	ug/l	50	EQS AA	NA	<2.5	NA	NA	0.597	0.86	13.4
Dissolved Boron	ug/l	1000	UK DWS	NA	194	NA	NA	215	305	174
Dissolved Cadmium #	ug/l	0.25	EQS AA (Hard water)	NA	<0.5	NA	NA	<0.08	<0.08	<0.08
Total Dissolved Chromium #	ug/l	3.4	EQS AA for Cr VI	NA	<1.5	NA	NA	<1	<1	6.06
Hexavalent Chromium	mg/l	3.4	EQS AA for Cr VI	NA	<0.006			<0.03	<0.03	<0.03
Dissolved Copper #	ug/l	1	Min. EQS AA (Bioavailable)	NA	<7	NA	NA	0.378	0.985	2.03
Dissolved Lead #	ug/l	1.2	Min. EQS AA (Bioavailable)	NA	<5	NA	NA	<0.2	<0.2	2.61
Dissolved Nickel #	ug/l	4	Min. EQS AA (Bioavailable)	NA	2	NA	NA	3.07	5.35	0.495
Dissolved Zinc #	ug/l	10.9	Min. EQS AA (Bioavailable)	NA	<3	NA	NA	4.74	1.88	10.2
Mercury Dissolved by CVAF	ug/l	0.07	EQS MAC	NA	NA	NA	NA	<0.01	<0.01	0.0136
Dissolved Mercury #	ug/l	0.07	EQS MAC	NA	<1			<0.01	<0.01	0.0136
Dissolved Calcium #	mg/l		Indicator only	NA	48.5			113	132	157
Dissolved Magnesium #	mg/l		Indicator only	NA	3			5.01	6.49	3.21
Dissolved Sodium #	mg/l		Indicator only	NA	31.1			24.4	20.7	22.7
Phenols										
Total Phenols HPLC	mg/l	0.0077	EQS AA	NA	<0.1					
Phenol	mg/l	0.0077	EQS AA	NA	NA	NA	NA	<0.002	<0.002	<0.002
PAH MS										
Acenaphthylene #	ug/l	0	Screened for detection	NA	<0.013	NA	NA	<0.005	<0.025	<0.005
Anthracene #	ug/l	0.1	EQS AA	NA	<0.013	NA	NA	<0.005	<0.025	<0.005
Benzo(a)anthracene #	ug/l	0	Screened for detection	NA	<0.015	NA	NA	<0.005	0.09	0.01
Benzo(a)pyrene #	ug/l	0.00017	EQS AA	NA	<0.016	NA	NA	<0.002	0.02	<0.002
Benzo(b)fluoranthene	ug/l	0.017	EQS MAC	NA	<0.01	NA	NA	<0.005	0.09	<0.005
Benzo(ghi)perylene #	ug/l	0.0082	EQS MAC	NA	<0.011	NA	NA	<0.005	<0.025	<0.005
Benzo(k)fluoranthene	ug/l	0.017	EQS MAC	NA	<0.01	NA	NA	<0.005	0.05	<0.005
Chrysene #	ug/l	0	Screened for detection	NA	<0.011	NA	NA	<0.005	0.11	0.01
Dibenzo(ah)anthracene #	ug/l	0	Screened for detection	NA	<0.01	NA	NA	<0.005	<0.025	<0.005
Fluoranthene #	ug/l	0.0063	EQS AA	NA	<0.012	NA	NA	0.01	0.19	0.01
Fluorene #	ug/l	0	Screened for detection	NA	<0.014	NA	NA	<0.005	<0.025	<0.005
Indeno(123cd)pyrene #	ug/l	0	Screened for detection	NA	<0.011	NA	NA	<0.005	<0.025	<0.005
Naphthalene #	ug/l	2	EQS AA	NA	<0.1	NA	NA	0.02	<0.05	<0.01

			Hole Name	BH313	BH313	BH313	BH313	BH313	BH313	BH313
			Sampled Date	12/06/2017	06/06/2017	30/05/2017	13/06/2017	29/11/2017	06/12/2017	13/12/2017
			Scheme Zone	3E	3E	3E	3E	3E	3E	3E
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir
			Comment on location	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill
Phenanthrene #	ug/l	0	Screened for detection	NA	<0.011	NA	NA	0.01	0.05	<0.005
Pyrene #	ug/l	0	Screened for detection	NA	<0.013	NA	NA	0.02	0.18	0.01
PAH 16 Total #	ug/l		n/a -sum of above	NA	<0.195	NA	NA	<0.082	0.77	<0.082
PAH, Total Detected USEPA 16 (	µg/l							<0.082	0.77	<0.082
Benzo(bk)fluoranthene #	ug/l	0	Screened for detection	NA	<0.018	NA	NA			
Acenaphthene #	ug/l	0	Screened for detection	NA	<0.013	NA	NA	<0.005	<0.025	<0.005
2-Chloronaphthalene #	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
2-Methylnaphthalene #	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
Naphthalene #	ug/l	2	UK EQS AA	<1		<1	NA	0.02	<0.05	<0.01
Acenaphthylene #	ug/l	0	Screened for detection	<0.5		<0.5	NA	<0.005	<0.025	<0.005
Acenaphthene #	ug/l	0	Screened for detection	<1		<1	NA	<0.005	<0.025	<0.005
Fluorene #	ug/l	0	Screened for detection	<0.5		<0.5	NA	<0.005	<0.025	<0.005
Phenanthrene #	ug/l	0	Screened for detection	<0.5		<0.5	NA	0.01	0.05	<0.005
Anthracene #	ug/l	0.1	EQS AA	<0.5		<0.5	NA	<0.005	<0.025	<0.005
Fluoranthene #	ug/l	0.0063	EQS AA	<0.5		<0.5	NA	0.01	0.19	0.01
Pyrene #	ug/l	0	Screened for detection	<0.5		<0.5	NA	0.02	0.18	0.01
Benzo(a)anthracene #	ug/l	0	Screened for detection	<0.5		<0.5	NA	<0.005	0.09	0.01
Chrysene #	ug/l	0	Screened for detection	<0.5		<0.5	NA	<0.005	0.11	0.01
Benzo(bk)fluoranthene #	ug/l	0	Screened for detection	<1		<1	NA			
Benzo(a)pyrene	ug/l	0.00017	EQS AA	<1		<1	NA	<0.002	0.02	<0.002
Indeno(123cd)pyrene	ug/l	0	Screened for detection	<1		<1	NA	<0.005	<0.025	<0.005
Dibenzo(ah)anthracene #	ug/l	0	Screened for detection	<0.5		<0.5	NA	<0.005	<0.025	<0.005
Benzo(ghi)perylene #	ug/l	0.0082	EQS MAC	<0.5		<0.5	NA	<0.005	<0.025	<0.005
Benzo(b)fluoranthene (aq)	µg/l	0.017	EQS MAC					<1	-	-
Benzo(k)fluoranthene (aq)	µg/l	0.017	EQS MAC					<1	-	-
TPH CWG										
Aliphatics										
>C5-C6 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	NA	<10	-	-
>C6-C8 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	NA	<10	-	-
>C8-C10 #	ug/l	10	EQS AA for Benzene	33	<10	19	NA	<10	-	-
>C10-C12 #	ug/l	10	EQS AA for Benzene	<5	<5	<5	NA	<10	-	-
>C12-C16 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	NA	<10	-	-
>C16-C21 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	NA	<10	-	-
>C21-C35 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	NA	<10	-	-
Total aliphatics C5-35 #	ug/l	10	EQS AA for Benzene	33	<10	19	NA			
Total Aliphatics >C12-C35 (aq)	ug/l	10	EQS AA for Benzene					<10	-	-
Aromatics										
>C5-EC7 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	NA	<10	-	-
>EC7-EC8 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	NA	<10	-	-
>EC8-EC10 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	NA	<10	-	-
>EC10-EC12 #	ug/l	10	EQS AA for Benzene	<5	<5	<5	NA	<10	-	-
>EC12-EC16 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	NA	<10	-	-
>EC16-EC21 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	NA	<10	-	-
>EC21-EC35 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	NA	<10	-	-

			Hole Name	BH313	BH313	BH313	BH313	BH313	BH313	BH313
			Sampled Date	12/06/2017	06/06/2017	30/05/2017	13/06/2017	29/11/2017	06/12/2017	13/12/2017
			Scheme Zone	3E	3E	3E	3E	3E	3E	3E
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir
			Comment on location	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill
Total Aromatics >EC12-EC35 (ac	µg/l	10	EQS AA for Benzene					<10	-	-
Total aromatics C5-35 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	NA			
Total aliphatics and aromatics(C5-35) #	ug/l	10	EQS AA for Benzene	33	<10	19	NA	<10	-	-
Aliphatics >C16-C35 Aqueous	µg/l	10	EQS AA for Benzene					<10	-	-
GRO >C5-C12	µg/l	10	EQS AA for Benzene					<50	-	-
BTEX/MTBE MS										
Methyl Tertiary Butyl Ether #	ug/l	10	EQS AA for Benzene	<0.1	NA	<0.1	NA	<3	-	-
Benzene #	ug/l	10	EQS AA for Benzene	<0.5	NA	<0.5	NA	<7	-	-
Toluene #	ug/l	10	EQS AA for Benzene	<5	NA	<5	NA	<4	-	-
Ethylbenzene #	ug/l	10	EQS AA for Benzene	<1	NA	<1	NA	<5	-	-
p/m-Xylene #	ug/l	10	EQS AA for Benzene	<2	NA	<2	NA	<8	-	-
o-Xylene #	ug/l	10	EQS AA for Benzene	<1	NA	<1	NA	<3	-	-
Sum of detected Xylenes	ug/l	10	EQS AA for Benzene					<11	-	-
Sum of detected BTEX	ug/l	10	EQS AA for Benzene					<28	-	-
MTBE #	ug/l	10	EQS AA for Benzene	NA	<5					
Benzene #	ug/l	10	EQS AA for Benzene	NA	<5					
Toluene #	ug/l	10	EQS AA for Benzene	NA	<5					
Ethylbenzene #	ug/l	10	EQS AA for Benzene	NA	<5					
m/p-Xylene #	ug/l	10	EQS AA for Benzene	NA	<5					
o-Xylene #	ug/l	10	EQS AA for Benzene	NA	<5					
VOC MS										
1,1,1,2-Tetrachloroethane #	ug/l	0	Screened for detection	<2		<2	NA	<1	-	-
1,1,1-Trichloroethane #	ug/l	0	Screened for detection	<2		<2	NA	<1	-	-
1,1,2,2-Tetrachloroethane	ug/l	0	Screened for detection	<4		<4	NA	<1	-	-
1,1,2-Trichloroethane #	ug/l	0	Screened for detection	<2		<2	NA	<1	-	-
1,1-Dichloroethane #	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-
1,1-Dichloroethene (1,1 DCE) #	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-
1,1-Dichloropropene #	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-
1,2,3-Trichlorobenzene	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-
1,2,3-Trichloropropane #	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-
1,2,4-Trichlorobenzene	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-
1,2,4-Trimethylbenzene #	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-
1,2-Dibromo-3-chloropropane	ug/l	0	Screened for detection	<2		<2	NA	<1	-	-
1,2-Dibromoethane #	ug/l	0	Screened for detection	<2		<2	NA	<1	-	-
1,2-Dichlorobenzene #	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-
1,2-Dichloroethane #	ug/l	0	Screened for detection	<2		<2	NA	<1	-	-
1,2-Dichloropropane #	ug/l	0	Screened for detection	<2		<2	NA	<1	-	-
1,3,5-Trichlorobenzene	µg/l	0	Screened for detection					<1	-	-
1,3,5-Trimethylbenzene #	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-
1,3-Dichlorobenzene #	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-
1,3-Dichloropropane #	ug/l	0	Screened for detection	<2		<2	NA	<1	-	-
1,4-Dichlorobenzene #	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-
2,2-Dichloropropane	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
2-Chlorotoluene #	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-
4-Chlorotoluene #	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-
4-Isopropyltoluene #	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-

			Hole Name	BH313	BH313	BH313	BH313	BH313	BH313	BH313
			Sampled Date	12/06/2017	06/06/2017	30/05/2017	13/06/2017	29/11/2017	06/12/2017	13/12/2017
			Scheme Zone	3E	3E	3E	3E	3E	3E	3E
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir
			Comment on location	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill
Benzene #	ug/l	10	UK EQS AA	<0.5		<0.5	NA	<1	-	-
Bromobenzene #	ug/l	0	Screened for detection	<2		<2	NA	<1	-	-
Bromochloromethane #	ug/l	0	Screened for detection	<2		<2	NA	<1	-	-
Bromodichloromethane #	ug/l	0	Screened for detection	<2		<2	NA	<1	-	-
Bromoform #	ug/l	0	Screened for detection	<2		<2	NA	<1	-	-
Bromomethane	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
Carbon disulphide	µg/l	0	Screened for detection					<1	-	-
Carbon tetrachloride #	ug/l	0	Screened for detection	<2		<2	NA	<1	-	-
Chlorobenzene #	ug/l	0	Screened for detection	<2		<2	NA	<1	-	-
Chloroethane #	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-
Chloroform #	ug/l	0	Screened for detection	<2		<2	NA	<1	-	-
Chloromethane #	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-
cis-1-2-Dichloroethene #	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-
cis-1-3-Dichloropropene	ug/l	0	Screened for detection	<2		<2	NA	<1	-	-
Dibromochloromethane #	ug/l	0	Screened for detection	<2		<2	NA	<1	-	-
Dibromomethane #	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-
Dichlorodifluoromethane	ug/l	0	Screened for detection	<2		<2	NA	<1	-	-
Dichloromethane (DCM) #	ug/l	0	Screened for detection	<5		<5	NA	<3	-	-
Ethylbenzene #	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
Hexachlorobutadiene	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-
Isopropylbenzene #	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-
Methyl Tertiary Butyl Ether #	ug/l	0	Screened for detection	<0.1		<0.1	NA	<1	-	-
Naphthalene	ug/l	0	Screened for detection	<2		<2	NA	<1	-	-
n-Butylbenzene #	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-
o-Xylene #	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
p/m-Xylene #	ug/l	0	Screened for detection	<2		<2	NA	<1	-	-
Propylbenzene #	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-
sec-Butylbenzene #	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-
Styrene	ug/l	0	Screened for detection	<2		<2	NA	<1	-	-
tert-Amyl methyl ether (TAME)	µg/l	0	Screened for detection					<1	-	-
tert-Butylbenzene #	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-
Tetrachloroethene (PCE) #	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-
Toluene #	ug/l	0	Screened for detection	<5		<5	NA	<1	-	-
trans-1-2-Dichloroethene #	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-
trans-1-3-Dichloropropene	ug/l	0	Screened for detection	<2		<2	NA	<1	-	-
Trichloroethene (TCE) #	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-
Trichlorofluoromethane #	ug/l	0	Screened for detection	<3		<3	NA	<1	-	-
Vinyl Chloride #	ug/l	0	Screened for detection	<0.1		<0.1	NA	<1	-	-
SVOC MS										
Phenols										
2-Chlorophenol #	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
2-Methylphenol #	ug/l	0	Screened for detection	<0.5		<0.5	NA	<1	-	-
2-Nitrophenol	ug/l	0	Screened for detection	<0.5		<0.5	NA	<1	-	-
2,4-Dichlorophenol #	ug/l	0	Screened for detection	<0.5		<0.5	NA	<1	-	-
2,4-Dimethylphenol	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
2,4,5-Trichlorophenol #	ug/l	0	Screened for detection	<0.5		<0.5	NA	<1	-	-
2,4,6-Trichlorophenol	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-

			Hole Name	BH313	BH313	BH313	BH313	BH313	BH313	BH313
			Sampled Date	12/06/2017	06/06/2017	30/05/2017	13/06/2017	29/11/2017	06/12/2017	13/12/2017
			Scheme Zone	3E	3E	3E	3E	3E	3E	3E
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir
			Comment on location	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill
4-Chloro-3-methylphenol #	ug/l	0	Screened for detection	<0.5		<0.5	NA	<1	-	-
4-Methylphenol	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
4-Nitrophenol	ug/l	0	Screened for detection	<10		<10	NA	<1	-	-
Pentachlorophenol	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
Phenol	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
PAHs										
Phthalates										
Bis(2-ethylhexyl) phthalate	ug/l	0	Screened for detection	<5		<5	NA	<2	-	-
Butylbenzyl phthalate	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
Di-n-butyl phthalate #	ug/l	0	Screened for detection	<1.5		<1.5	NA	<1	-	-
Di-n-Octyl phthalate	ug/l	0	Screened for detection	<1		<1	NA	<5	-	-
Diethyl phthalate #	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
Dimethyl phthalate	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
Other SVOCs										
1,2-Dichlorobenzene #	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
1,2,4-Trichlorobenzene #	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
1,3-Dichlorobenzene #	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
1,4-Dichlorobenzene #	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
2-Nitroaniline	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
2,4-Dinitrotoluene #	ug/l	0	Screened for detection	<0.5		<0.5	NA	<1	-	-
2,6-Dinitrotoluene	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
3-Nitroaniline	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
4-Bromophenylphenylether #	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
4-Chloroaniline	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
4-Chlorophenylphenylether #	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
4-Nitroaniline	ug/l	0	Screened for detection	<0.5		<0.5	NA	<1	-	-
Azobenzene #	ug/l	0	Screened for detection	<0.5		<0.5	NA	<1	-	-
Bis(2-chloroethoxy)methane #	ug/l	0	Screened for detection	<0.5		<0.5	NA	<1	-	-
Bis(2-chloroethyl)ether #	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
Carbazole #	ug/l	0	Screened for detection	<0.5		<0.5	NA	<1	-	-
Dibenzofuran #	ug/l	0	Screened for detection	<0.5		<0.5	NA	<1	-	-
Hexachlorobenzene #	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
Hexachlorobutadiene #	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
Hexachlorocyclopentadiene	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
Hexachloroethane #	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
Isophorone #	ug/l	0	Screened for detection	<0.5		<0.5	NA	<1	-	-
N-nitrosodi-n-propylamine #	ug/l	0	Screened for detection	<0.5		<0.5	NA	<1	-	-
Nitrobenzene #	ug/l	0	Screened for detection	<1		<1	NA	<1	-	-
PCBs:										
PCB 28	ug/l	0	Screened for detection	<0.1		<0.1	NA	<0.015	-	-
PCB 52	ug/l	0	Screened for detection	<0.1		<0.1	NA	<0.015	-	-
PCB 101	ug/l	0	Screened for detection	<0.1		<0.1	NA	<0.015	-	-
PCB 105	µg/l	0	Screened for detection					<0.015	-	-
PCB 114	µg/l	0	Screened for detection					<0.015	-	-
PCB 118	ug/l	0	Screened for detection	<0.1		<0.1	NA	<0.015	-	-
PCB 123	µg/l	0	Screened for detection					<0.015	-	-

			Hole Name	BH313	BH313	BH313	BH313	BH313	BH313	BH313
			Sampled Date	12/06/2017	06/06/2017	30/05/2017	13/06/2017	29/11/2017	06/12/2017	13/12/2017
			Scheme Zone	3E	3E	3E	3E	3E	3E	3E
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir
			Comment on location	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill
PCB 126	µg/l	0	Screened for detection					<0.015	-	-
PCB 138	ug/l	0	Screened for detection	<0.1		<0.1	NA	<0.015	-	-
PCB 153	ug/l	0	Screened for detection	<0.1		<0.1	NA	<0.015	-	-
PCB 156	µg/l	0	Screened for detection					<0.015	-	-
PCB 157	µg/l	0	Screened for detection					<0.015	-	-
PCB 167	µg/l	0	Screened for detection					<0.015	-	-
PCB 169	µg/l	0	Screened for detection					<0.015	-	-
PCB 180	ug/l	0	Screened for detection	<0.1		<0.1	NA	<0.015	-	-
PCB 189	µg/l	0	Screened for detection					<0.015	-	-
PCB congener 77	µg/l	0	Screened for detection					<0.015	-	-
PCB congener 81	µg/l	0	Screened for detection					<0.015	-	-
Total 7 PCBs	ug/l	0	Screened for detection	<0.7		<0.7	NA			
Sum of detected EC7 PCB's	µg/l	0	Screened for detection					<0.105	-	-
Pesticides										
Organochlorine Pesticides										
Aldrin	ug/l	0	Screened for detection					<0.01	-	-
Alpha-HCH (BHC)	ug/l	0	Screened for detection					<0.01	-	-
Beta-HCH (BHC)	ug/l	0	Screened for detection					<0.01	-	-
Chlorothalonil	ug/l	0	Screened for detection					<0.01	-	-
cis-Chlordane	ug/l	0	Screened for detection					<0.01	-	-
Delta-HCH (BHC)	ug/l	0	Screened for detection					<0.01	-	-
Dieldrin	ug/l	0	Screened for detection					<0.01	-	-
Disulfoton	µg/l	0	Screened for detection					<0.01	-	-
Endosulphan I	ug/l	0	Screened for detection					<0.01	-	-
Endosulphan II	ug/l	0	Screened for detection					<0.02	-	-
Endosulphan sulphate	ug/l	0	Screened for detection					<0.02	-	-
Endrin	ug/l	0	Screened for detection					<0.01	-	-
Gamma-HCH (BHC)	ug/l	0	Screened for detection					<0.01	-	-
Heptachlor	ug/l	0	Screened for detection					<0.01	-	-
Heptachlor Epoxide	ug/l	0	Screened for detection					<0.01	-	-
Hexachlorobenzene	ug/l	0	Screened for detection					<0.01	-	-
Isodrin	ug/l	0	Screened for detection					<0.01	-	-
o,p'-DDE	ug/l	0	Screened for detection					<0.01	-	-
o,p'-DDT	ug/l	0	Screened for detection					<0.01	-	-
o,p'-Methoxychlor	ug/l	0	Screened for detection					<0.01	-	-
o,p'-TDE	ug/l	0	Screened for detection					<0.01	-	-
p,p'-DDE	ug/l	0	Screened for detection					<0.01	-	-
p,p'-DDT	ug/l	0	Screened for detection					<0.01	-	-
p,p'-Methoxychlor	ug/l	0	Screened for detection					<0.01	-	-
p,p'-TDE	ug/l	0	Screened for detection					<0.01	-	-
Pendimethalin	ug/l	0	Screened for detection					0.266	-	-
Permethrin I	ug/l	0	Screened for detection					<0.01	-	-
Permethrin II	ug/l	0	Screened for detection					<0.01	-	-
Quintozene (PCNB)	ug/l	0	Screened for detection					<0.01	-	-
Tecnazene	ug/l	0	Screened for detection					<0.01	-	-
Telodrin	ug/l	0	Screened for detection					<0.01	-	-
trans-Chlordane	ug/l	0	Screened for detection					<0.01	-	-

			Hole Name	BH313	BH313	BH313	BH313	BH313	BH313	BH313
			Sampled Date	12/06/2017	06/06/2017	30/05/2017	13/06/2017	29/11/2017	06/12/2017	13/12/2017
			Scheme Zone	3E	3E	3E	3E	3E	3E	3E
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir
			Comment on location	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill
Triadimefon	ug/l	0	Screened for detection					<0.01	-	-
Triallate	ug/l	0	Screened for detection					<0.01	-	-
Trifluralin	ug/l	0	Screened for detection					<0.01	-	-
Organophosphorus Pesticides		0	Screened for detection							
Azinphos ethyl	ug/l	0	Screened for detection							
Azinphos methyl	ug/l	0	Screened for detection							
Carbophenothion	ug/l	0	Screened for detection							
Chlorfenvinphos	ug/l	0	Screened for detection							
Chlorpyrifos	ug/l	0	Screened for detection							
Chlorpyrifos-methyl	ug/l	0	Screened for detection							
Diazinon	ug/l	0	Screened for detection							
Dichlorvos	ug/l	0	Screened for detection							
Disulfoton	ug/l	0	Screened for detection							
Dimethoate	ug/l	0	Screened for detection							
Ethion	ug/l	0	Screened for detection							
Ethyl Parathion (Parathion)	ug/l	0	Screened for detection							
Etrimphos	ug/l	0	Screened for detection							
Fenitrothion	ug/l	0	Screened for detection							
Fenthion	ug/l	0	Screened for detection							
Malathion	ug/l	0	Screened for detection							
Methyl Parathion	ug/l	0	Screened for detection							
Mevinphos	ug/l	0	Screened for detection							
Phosalone	ug/l	0	Screened for detection							
Pirimiphos Methyl	ug/l	0	Screened for detection							
Propetamphos	ug/l	0	Screened for detection							
Triazophos	ug/l	0	Screened for detection							
Benazolin	ug/l	0	Screened for detection	<0.1		<0.1	NA			
Bentazone	ug/l	0	Screened for detection	<0.1		<0.1	NA			
Bromoxynil	ug/l	0	Screened for detection	<0.1		<0.1	NA			
Clopyralid	ug/l	0	Screened for detection	<0.1		<0.1	NA			
4 - CPA	ug/l	0	Screened for detection	<0.1		<0.1	NA			
2,4 - D	ug/l	0	Screened for detection	<0.1		<0.1	NA			
2,4 - DB	ug/l	0	Screened for detection	<0.1		<0.1	NA			
Dicamba	ug/l	0	Screened for detection	<0.1		<0.1	NA			
Dichloroprop	ug/l	0	Screened for detection	<0.1		<0.1	NA			
Diclofop	ug/l	0	Screened for detection	<0.1		<0.1	NA			
Fenoprop	ug/l	0	Screened for detection	<0.1		<0.1	NA			
Flamprop	ug/l	0	Screened for detection	<0.1		<0.1	NA			
Flamprop – isopropyl	ug/l	0	Screened for detection	<0.1		<0.1	NA			
Ioxynil	ug/l	0	Screened for detection	<0.1		<0.1	NA			
MCPA	ug/l	0	Screened for detection	<0.1		<0.1	NA			
MCPB	ug/l	0	Screened for detection	<0.1		<0.1	NA			
Mecoprop	ug/l	0	Screened for detection	<0.1		<0.1	NA			
Picloram	ug/l	0	Screened for detection	<0.1		<0.1	NA			
Pentachlorophenol	ug/l	0	Screened for detection	<0.1		<0.1	NA			
2,4,5 - T	ug/l	0	Screened for detection	<0.1		<0.1	NA			
2,3,6 - TBA	ug/l	0	Screened for detection	<0.1		<0.1	NA			

			Hole Name	BH313	BH313	BH313	BH313	BH313	BH313	BH313
			Sampled Date	12/06/2017	06/06/2017	30/05/2017	13/06/2017	29/11/2017	06/12/2017	13/12/2017
			Scheme Zone	3E	3E	3E	3E	3E	3E	3E
			Geology	RTD	RTD	RTD	RTD	RTD	RTD	RTD
			Feature	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir	Eastwyke Weir
			Comment on location	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill	S of Grandpont Landfill
Triclopyr	ug/l	0	Screened for detection	<0.1		<0.1	NA			
Atrazine	ug/l	0	Screened for detection			<0.01				
Simazine	ug/l	0	Screened for detection			<0.01				
Monuron	ug/l	0	Screened for detection			<0.02				
Diuron	ug/l	0	Screened for detection			<0.02				
Linuron	ug/l	0	Screened for detection			<0.02				
Chlortoluron	ug/l	0	Screened for detection			<0.02				
Isoproturon	ug/l	0	Screened for detection			<0.02				
Carbetamide	ug/l	0	Screened for detection			<0.1				

Appendix D
Surface Water Results

				Sample ID	SWS-US	SWS-US	SWS-US	SWS-MS	SWS-MS	SWS-MS	SWS-DS	SWS-DS	SWS-DS
				Sampled Date	11/02/15	14/10/15	19/11/15	11/02/15	14/10/15	19/11/15	11/02/15	14/10/15	19/11/15
				Sampled feature	Hinskey Stream	Hinskey Stream	Hinskey Stream	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain
				Adj Feature	adj. Devils Backbone	adj. Devils Backbone	adj. Devils Backbone	c. 400m NNW of Old Abingdon Rd	c. 400m NNW of Old Abingdon Rd	c. 400m NNW of Old Abingdon Rd	S side of railway (adj. Kennington Pool)	S side of railway (adj. Kennington Pool)	S side of railway (adj. Kennington Pool)
Test	**Units**	**Initial Screening Value**	**Source of Screening Value**										
Metals													
Dissolved Arsenic #	ug/l	50	EQS AA	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Dissolved Boron	ug/l	1000	UK DWS	54	53	45	56	55	50	59	54	53
Dissolved Cadmium #	ug/l	0.25	EQS AA (Hard water)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Hexavalent Chromium #	mg/l	3.4	EQS AA for Cr VI	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Total Dissolved Chromium #	ug/l	3.4	EQS AA for Cr VI	4.1	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	5.5
Dissolved Copper #	ug/l	1	Min. EQS AA (Bioavailable)	<7	<7	<7	<7	<7	<7	<7	<7	<7
Total Dissolved Iron			Min. EQS AA (Bioavailable)	<5	<5	5	<5	<5	<5	<5	<5	<5
Dissolved Lead #	ug/l	1.2	Min. EQS AA (Bioavailable)	<1	<5	<1	<1	<5	<1	<1	<5	<1
Dissolved Nickel #	ug/l	4	Min. EQS AA (Bioavailable)	<2	<2	<2	<2	<2	<2	<2	<2	<2
Dissolved Zinc #	ug/l	10.9	Min. EQS AA (Bioavailable)	3	3	7	6	4	7	4	3	6
Non-metals												
Electrical Conductivity @25C #	uS/cm		n/a - indicator parameter	716	640	653	701	659	697	717	678	658
pH #	pH units	6.5-8.5	Screened for detection	8.04	7.86	8	7.99	7.81	7.6	8.03	7.89	7.87
Total Nitrogen	mg/l		n/a - indicator parameter		6	6.8		5.1	6		4.9	5.5
Sulphate #	mg/l	250	UK DWS	66.1		59.04	64.9		61.99	63.38		62.95
Ammoniacal Nitrogen as N	mg/l	0.6	UK EQS AA	0.05	0.03	0.27	0.05	0.04	0.75	0.05	0.05	0.29
BOD (Settled) #	mg/l		n/a - indicator parameter	<1	1	<1	<1	2	1	<1	1	<1
COD (Settled) #	mg/l		n/a - indicator parameter	<7	17	19	9	13	24	<7	15	17
TPH CWG												
Aliphatics												
>C5-C6 #	ug/l	10	EQS AA for Benzene		<5			<5			<5	
>C6-C8 #	ug/l	10	EQS AA for Benzene		<5			<5			<5	
>C8-C10 #	ug/l	10	EQS AA for Benzene		<5			<5			<5	
>C10-C12 #	ug/l	10	EQS AA for Benzene		<5			<5			<5	
>C12-C16 #	ug/l	10	EQS AA for Benzene		<10			<10			<10	
>C16-C21 #	ug/l	10	EQS AA for Benzene		<10			<10			<10	
>C21-C35 #	ug/l	10	EQS AA for Benzene		<10			<10			<10	
Total aliphatics C5-35 #	ug/l	10	EQS AA for Benzene		<10			<10			<10	
Total Aliphatics >C12-C35 (aq)	ug/l	10	EQS AA for Benzene									
Aromatics												
>C5-EC7 #	ug/l	10	EQS AA for Benzene		<5			<5			<5	
>EC7-EC8 #	ug/l	10	EQS AA for Benzene		<5			<5			<5	
>EC8-EC10 #	ug/l	10	EQS AA for Benzene		<5			<5			<5	
>EC10-EC12 #	ug/l	10	EQS AA for Benzene		<5			<5			<5	
>EC12-EC16 #	ug/l	10	EQS AA for Benzene		<10			<10			<10	
>EC16-EC21 #	ug/l	10	EQS AA for Benzene		<10			<10			<10	
>EC21-EC35 #	ug/l	10	EQS AA for Benzene		<10			<10			<10	
Total Aromatics >EC12-EC35 (aq)	µg/l	10	EQS AA for Benzene		<10			<10			<10	
Total aromatics C5-35 #	ug/l	10	EQS AA for Benzene		<10			<10			<10	
Total aliphatics and aromatics(C5-35) #	ug/l	10	EQS AA for Benzene									

			Sample ID	SWS-US	SWS-US	SWS-US	SWS-MS	SWS-MS	SWS-MS	SWS-DS	SWS-DS	SWS-DS
			Sampled Date	11/02/15	14/10/15	19/11/15	11/02/15	14/10/15	19/11/15	11/02/15	14/10/15	19/11/15
			Sampled feature	Hinskey Stream	Hinskey Stream	Hinskey Stream	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain
			Adj Feature	adj. Devils Backbone	adj. Devils Backbone	adj. Devils Backbone	c. 400m NNW of Old Abingdon Rd	c. 400m NNW of Old Abingdon Rd	c. 400m NNW of Old Abingdon Rd	S side of railway (adj. Kennington Pool)	S side of railway (adj. Kennington Pool)	S side of railway (adj. Kennington Pool)
Test	**Units**	**Initial Screen-ing Value**	**Source of Screening Value**									
GRO (>C4-C8)	ug/l	10	EQS AA for Benzene	<10		<10	<10		<10	<10		<10
GRO (>C8-C12)	ug/l	10	EQS AA for Benzene	<10		<10	<10		<10	<10		<10
GRO (>C4-C12)	ug/l	10	EQS AA for Benzene	<10		<10	<10		<10	<10		<10
EPH (C8-C40)	ug/l	10	EQS AA for Benzene	<10		<10	<10		<10	<10		<10
BTEX/MTBE MS												
Methyl Tertiary Butyl Ether #	ug/l	10	EQS AA for Benzene		<5			<5			<5	
Benzene #	ug/l	10	EQS AA for Benzene		<5			<5			<5	
Toluene #	ug/l	10	EQS AA for Benzene		<5			<5			<5	
Ethylbenzene #	ug/l	10	EQS AA for Benzene		<5			<5			<5	
p/m-Xylene #	ug/l	10	EQS AA for Benzene		<5			<5			<5	
o-Xylene #	ug/l	10	EQS AA for Benzene		<5			<5			<5	
Surrogate Recovery Toluene D8	ug/l	10	EQS AA for Benzene									
Sum of detected Xylenes	ug/l	10	EQS AA for Benzene									
Sum of detected BTEX	ug/l	10	EQS AA for Benzene									
MTBE #	ug/l	10	EQS AA for Benzene									
Benzene #	ug/l	10	EQS AA for Benzene									
Toluene #	ug/l	10	EQS AA for Benzene									
Ethylbenzene #	ug/l	10	EQS AA for Benzene									
m/p-Xylene #	ug/l	10	EQS AA for Benzene									
o-Xylene #	ug/l	10	EQS AA for Benzene									
VOC MS												
Dichlorodifluoromethane	ug/l	0	Screened for detection		<2			<2			<2	
Methyl Tertiary Butyl Ether #	ug/l	0	Screened for detection		<0.1			<0.1			<0.1	
Chloromethane #	ug/l	0	Screened for detection		<3			<3			<3	
Vinyl Chloride #	ug/l	0	Screened for detection		<0.1			<0.1			<0.1	
Bromomethane	ug/l	0	Screened for detection		<1			<1			<1	
Chloroethane #	ug/l	0	Screened for detection		<3			<3			<3	
Trichlorofluoromethane #	ug/l	0	Screened for detection		<3			<3			<3	
1,1-Dichloroethene (1,1 DCE) #	ug/l	0	Screened for detection		<3			<3			<3	
Dichloromethane (DCM) #	ug/l	0	Screened for detection		<3			<3			<3	
trans-1-2-Dichloroethene #	ug/l	0	Screened for detection		<3			<3			<3	
1,1-Dichloroethane #	ug/l	0	Screened for detection		<3			<3			<3	
cis-1-2-Dichloroethene #	ug/l	0	Screened for detection		<3			<3			<3	
2,2-Dichloropropane	ug/l	0	Screened for detection		<1			<1			<1	
Bromochloromethane #	ug/l	0	Screened for detection		<2			<2			<2	
Chloroform #	ug/l	0	Screened for detection		<2			<2			<2	
1,1,1-Trichloroethane #	ug/l	0	Screened for detection		<2			<2			<2	
1,1-Dichloropropene #	ug/l	0	Screened for detection		<3			<3			<3	
Carbon tetrachloride #	ug/l	0	Screened for detection		<2			<2			<2	
1,2-Dichloroethane #	ug/l	0	Screened for detection		<2			<2			<2	
Benzene #	ug/l	0	Screened for detection		<0.5			<0.5			<0.5	

				Sample ID	SWS-US	SWS-US	SWS-US	SWS-MS	SWS-MS	SWS-MS	SWS-DS	SWS-DS	SWS-DS
				Sampled Date	11/02/15	14/10/15	19/11/15	11/02/15	14/10/15	19/11/15	11/02/15	14/10/15	19/11/15
				Sampled feature	Hinskey Stream	Hinskey Stream	Hinskey Stream	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain
				Adj Feature	adj. Devils Backbone	adj. Devils Backbone	adj. Devils Backbone	c. 400m NNW of Old Abingdon Rd	c. 400m NNW of Old Abingdon Rd	c. 400m NNW of Old Abingdon Rd	S side of railway (adj. Kennington Pool)	S side of railway (adj. Kennington Pool)	S side of railway (adj. Kennington Pool)
Test	**Units**	**Initial Screen-ing Value**	**Source of Screening Value**										
Trichloroethene (TCE) #	ug/l	0	Screened for detection		<3			<3			<3		
1,2-Dichloropropane #	ug/l	0	Screened for detection		<2			<2			<2		
Dibromomethane #	ug/l	0	Screened for detection		<3			<3			<3		
Bromodichloromethane #	ug/l	0	Screened for detection		<2			<2			<2		
cis-1-3-Dichloropropene	ug/l	0	Screened for detection		<2			<2			<2		
Toluene #	ug/l	0	Screened for detection		<0.5			<0.5			<0.5		
trans-1-3-Dichloropropene	ug/l	0	Screened for detection		<2			<2			<2		
1,1,2-Trichloroethane #	ug/l	0	Screened for detection		<2			<2			<2		
Tetrachloroethene (PCE) #	ug/l	0	Screened for detection		<3			<3			<3		
1,3-Dichloropropane #	ug/l	0	Screened for detection		<2			<2			<2		
Dibromochloromethane #	ug/l	0	Screened for detection		<2			<2			<2		
1,2-Dibromoethane #	ug/l	0	Screened for detection		<2			<2			<2		
Chlorobenzene #	ug/l	0	Screened for detection		<2			<2			<2		
1,1,1,2-Tetrachloroethane #	ug/l	0	Screened for detection		<2			<2			<2		
Ethylbenzene #	ug/l	0	Screened for detection		<0.5			<0.5			<0.5		
p/m-Xylene #	ug/l	0	Screened for detection		<1			<1			<1		
o-Xylene #	ug/l	0	Screened for detection		<0.5			<0.5			<0.5		
Styrene	ug/l	0	Screened for detection		<2			<2			<2		
Bromoform #	ug/l	0	Screened for detection		<2			<2			<2		
Isopropylbenzene #	ug/l	0	Screened for detection		<3			<3			<3		
1,1,2,2-Tetrachloroethane	ug/l	0	Screened for detection		<4			<4			<4		
Bromobenzene #	ug/l	0	Screened for detection		<2			<2			<2		
1,2,3-Trichloropropane #	ug/l	0	Screened for detection		<3			<3			<3		
Propylbenzene #	ug/l	0	Screened for detection		<3			<3			<3		
2-Chlorotoluene #	ug/l	0	Screened for detection		<3			<3			<3		
1,3,5-Trimethylbenzene #	ug/l	0	Screened for detection		<3			<3			<3		
4-Chlorotoluene #	ug/l	0	Screened for detection		<3			<3			<3		
tert-Butylbenzene #	ug/l	0	Screened for detection		<3			<3			<3		
1,2,4-Trimethylbenzene #	ug/l	0	Screened for detection		<3			<3			<3		
sec-Butylbenzene #	ug/l	0	Screened for detection		<3			<3			<3		
4-Isopropyltoluene #	ug/l	0	Screened for detection		<3			<3			<3		
1,3-Dichlorobenzene #	ug/l	0	Screened for detection		<3			<3			<3		
1,4-Dichlorobenzene #	ug/l	0	Screened for detection		<3			<3			<3		
n-Butylbenzene #	ug/l	0	Screened for detection		<3			<3			<3		
1,2-Dichlorobenzene #	ug/l	0	Screened for detection		<3			<3			<3		
1,2-Dibromo-3-chloropropane	ug/l	0	Screened for detection		<2			<2			<2		
1,2,4-Trichlorobenzene	ug/l	0	Screened for detection		<3			<3			<3		
Hexachlorobutadiene	ug/l	0	Screened for detection		<3			<3			<3		
Naphthalene	ug/l	0	Screened for detection		<2			<2			<2		
1,2,3-Trichlorobenzene	ug/l	0	Screened for detection		<3			<3			<3		
Phenols													
Phenol	mg/l	0.0077	EQS AA										

				Sample ID	SWS-US	SWS-US	SWS-US	SWS-MS	SWS-MS	SWS-MS	SWS-DS	SWS-DS	SWS-DS
				Sampled Date	11/02/15	14/10/15	19/11/15	11/02/15	14/10/15	19/11/15	11/02/15	14/10/15	19/11/15
				Sampled feature	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain
				Adj Feature	adj. Devils Backbone	adj. Devils Backbone	adj. Devils Backbone	c. 400m NNW of Old Abingdon Rd	c. 400m NNW of Old Abingdon Rd	c. 400m NNW of Old Abingdon Rd	S side of railway (adj. Kennington Pool)	S side of railway (adj. Kennington Pool)	S side of railway (adj. Kennington Pool)
Test	**Units**	**Initial Screen-ing Value**	**Source of Screening Value**										
Total Phenols HPLC	mg/l	0.0077	EQS AA		<0.1			<0.1			<0.1		
Phenols by MS													
2-Chlorophenol #	ug/l	0	Screened for detection		<1			<1			<1		
2-Methylphenol #	ug/l	0	Screened for detection		<0.5			<0.5			<0.5		
2-Nitrophenol	ug/l	0	Screened for detection		<0.5			<0.5			<0.5		
2,4-Dichlorophenol #	ug/l	0	Screened for detection		<0.5			<0.5			<0.5		
2,4-Dimethylphenol	ug/l	0	Screened for detection		<1			<1			<1		
2,4,5-Trichlorophenol #	ug/l	0	Screened for detection		<0.5			<0.5			<0.5		
2,4,6-Trichlorophenol	ug/l	0	Screened for detection		<1			<1			<1		
4-Chloro-3-methylphenol #	ug/l	0	Screened for detection		<0.5			<0.5			<0.5		
4-Methylphenol	ug/l	0	Screened for detection		<1			<1			<1		
4-Nitrophenol	ug/l	0	Screened for detection		<10			<10			<10		
Pentachlorophenol	ug/l	0	Screened for detection		<1			<1			<1		
Phenol	ug/l	7.7	EQS AA		<1			<1			<1		
PAHs by MS													
2-Chloronaphthalene #	ug/l	0	Screened for detection		<1			<1			<1		
2-Methylnaphthalene #	ug/l	0	Screened for detection		<1			<1			<1		
Naphthalene #	ug/l	2	UK EQS AA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene #	ug/l	0	Screened for detection	0.010	0.010	<0.01	0.010	0.010	<0.01	0.010	0.010	<0.01	
Acenaphthene #	ug/l	0	Screened for detection	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.010	<0.01	
Fluorene #	ug/l	0	Screened for detection	<0.01	0.010	<0.01	<0.01	0.010	<0.01	0.010	0.010	<0.01	
Phenanthrene #	ug/l	0	Screened for detection	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	
Anthracene #	ug/l	0.1	EQS AA	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Fluoranthene #	ug/l	0.0063	EQS AA	<0.01	0.010	<0.01	<0.01	0.010	<0.01	0.010	0.010	<0.01	
Pyrene #	ug/l	0	Screened for detection	0.010	0.010	<0.01	0.010	0.010	<0.01	0.010	0.010	<0.01	
Benzo(a)anthracene #	ug/l	0	Screened for detection	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Chrysene #	ug/l	0	Screened for detection	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Benzo(bk)fluoranthene #	ug/l	0	Screened for detection	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Benzo(a)pyrene	ug/l	0.00017	EQS AA	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Indeno(123cd)pyrene	ug/l	0	Screened for detection	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Dibenzo(ah)anthracene #	ug/l	0	Screened for detection	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Benzo(ghi)perylene #	ug/l	0.0082	EQS MAC	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Benzo(b)fluoranthene (aq)	µg/l	0.017	EQS MAC	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Benzo(k)fluoranthene (aq)	µg/l	0.017	EQS MAC	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Phthalates													
Bis(2-ethylhexyl) phthalate	ug/l	0	Screened for detection		<5			<5			<5		
Butylbenzyl phthalate	ug/l	0	Screened for detection		<1			<1			<1		
Di-n-butyl phthalate #	ug/l	0	Screened for detection		<1.5			<1.5			<1.5		
Di-n-Octyl phthalate	ug/l	0	Screened for detection		<1			<1			<1		
Diethyl phthalate #	ug/l	0	Screened for detection		<1			<1			<1		
Dimethyl phthalate	ug/l	0	Screened for detection		<1			<1			<1		
Other SVOCs													

Sample ID				SWS-US	SWS-US	SWS-US	SWS-MS	SWS-MS	SWS-MS	SWS-DS	SWS-DS	SWS-DS
Sampled Date				11/02/15	14/10/15	19/11/15	11/02/15	14/10/15	19/11/15	11/02/15	14/10/15	19/11/15
Sampled feature				Hinskey Stream	Hinskey Stream	Hinskey Stream	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain
Adj Feature				adj. Devils Backbone	adj. Devils Backbone	adj. Devils Backbone	c. 400m NNW of Old Abingdon Rd	c. 400m NNW of Old Abingdon Rd	c. 400m NNW of Old Abingdon Rd	S side of railway (adj. Kennington Pool)	S side of railway (adj. Kennington Pool)	S side of railway (adj. Kennington Pool)
Test	**Units**	**Initial Screen-ing Value**	**Source of Screening Value**									
1,2-Dichlorobenzene #	ug/l	0	Screened for detection		<1			<1			<1	
1,2,4-Trichlorobenzene #	ug/l	0	Screened for detection		<1			<1			<1	
1,3-Dichlorobenzene #	ug/l	0	Screened for detection		<1			<1			<1	
1,4-Dichlorobenzene #	ug/l	0	Screened for detection		<1			<1			<1	
2-Nitroaniline	ug/l	0	Screened for detection		<1			<1			<1	
2,4-Dinitrotoluene #	ug/l	0	Screened for detection		<0.5			<0.5			<0.5	
2,6-Dinitrotoluene	ug/l	0	Screened for detection		<1			<1			<1	
3-Nitroaniline	ug/l	0	Screened for detection		<1			<1			<1	
4-Bromophenylphenylether #	ug/l	0	Screened for detection		<1			<1			<1	
4-Chloroaniline	ug/l	0	Screened for detection		<1			<1			<1	
4-Chlorophenylphenylether #	ug/l	0	Screened for detection		<1			<1			<1	
4-Nitroaniline	ug/l	0	Screened for detection		<0.5			<0.5			<0.5	
Azobenzene #	ug/l	0	Screened for detection		<0.5			<0.5			<0.5	
Bis(2-chloroethoxy)methane #	ug/l	0	Screened for detection		<0.5			<0.5			<0.5	
Bis(2-chloroethyl)ether #	ug/l	0	Screened for detection		<1			<1			<1	
Carbazole #	ug/l	0	Screened for detection		<0.5			<0.5			<0.5	
Dibenzofuran #	ug/l	0	Screened for detection		<0.5			<0.5			<0.5	
Hexachlorobenzene #	ug/l	0	Screened for detection		<1			<1			<1	
Hexachlorobutadiene #	ug/l	0	Screened for detection		<1			<1			<1	
Hexachlorocyclopentadiene	ug/l	0	Screened for detection		<1			<1			<1	
Hexachloroethane #	ug/l	0	Screened for detection		<1			<1			<1	
Isophorone #	ug/l	0	Screened for detection		<0.5			<0.5			<0.5	
N-nitrosodi-n-propylamine #	ug/l	0	Screened for detection		<0.5			<0.5			<0.5	
Nitrobenzene #	ug/l	0	Screened for detection		<1			<1			<1	

			Sample ID	SW301	SW301	SW301	SW302	SW302	SW302	SW303	SW303	SW303	SW303	SW303	SW303	SW304	SW304	SW304	SW304	SW304	SW304	SW311
			Sampled Date	18/05/2017	01/06/2017	08/06/2017	18/05/2017	01/06/2017	08/06/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017
			Sampled feature	Hinksey Stream	Hinksey Stream	Hinksey Stream	Bulstake Stream	Bulstake Stream	Bulstake Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream
			Adj Feature	SW end Willow Walk	SW end Willow Walk	SW end Willow Walk	NE end Willow Walk	NE end Willow Walk	NE end Willow Walk	Devils Backbone	Devils Backbone	Devils Backbone	Devils Backbone	Devils Backbone	Devils Backbone	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	S side of A423
Test	**Units**	**Initial Screen-ing Value**	**Source of Screening Value**																				
pH[1]	pH units	6.5-8.5	EQS	7.85	7.79	7.62	7.78	7.67	7.78	7.63	10.22	7.72	8.04	8.03	8.07	7.41	7.95	7.57	8.12	7.94	8.21	NA
Total Alkalinity as CaCO3	mg/l		Indicator only	246	241	224	223	239	243	198	1	236	225	240	250	186	231	234	215	240	250	NA
Dissolved Organic Carbon	mg/l		Indicator only	4	4		5	4		4	3		3.75	3.93	4.63	5	6		4.1	4.27	4.45	NA
Chloride	mg/l	250	UK DWS	39.7	31.9	32.5	34.2	30.9	29.9	30.5	31.9	31.7	37.2	-	117	26.7	31.7	49.8	38.5	-	75.5	NA
Nitrate as NO3	mg/l	50	UK DWS	22.6	19.1	21.7	24.4	19.4	22	13.1	16.4	19	26.6	27.9	25	10.4	14.7	17.2	26.3	27	25.5	NA
Sulphate	mg/l	250	UK DWS	65.1	48.6	44.4	79.1	48.5	44.4	41	48.4	45.2	59.9	62.8	61.9	33.2	48.5	47.5	59.1	62.4	61.5	NA
Ortho Phosphate as PO4 #	mg/l	0.06	Previous EQS AA	0.3	0.15	0.37	0.31	0.11	0.43	0.18	0.08	0.26	0.46	0.387	0.246	0.17	0.08	0.28	0.49	0.335	0.244	NA
Ammoniacal Nitrogen as N #	mg/l	0.6	EQS for rivers	NA	0.11	<0.03	0.12	0.16	<0.03	0.19	0.23	0.08	<0.2	<0.2	<0.2	0.12	0.3	0.06	<0.2	<0.2	<0.2	NA
Metals																						
Dissolved Arsenic #	ug/l	50	EQS AA	<2.5	<2.5	<2.5	3.1	<2.5	<2.5	4.2	<2.5	<2.5	0.849	1.11	0.639	<2.5	<2.5	<2.5	0.991	1.34	0.627	NA
Dissolved Boron	ug/l	1000	UK DWS	50	39	40	43	42	37	40	39	38	37.8	40.1	40.1	34	40	39	54	49.6	48.7	NA
Dissolved Cadmium #	ug/l	0.25	EQS AA (Hard water)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.08	-	<0.08	<0.5	<0.5	<0.5	<0.08	-	<0.08	NA
Total Dissolved Chromium #	ug/l	3.4	EQS AA for Cr VI	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1	-	<1	<1.5	<1.5	<1.5	<1	-	<1	NA
Hexavalent Chromium	mg/l	3.4	EQS AA for Cr VI	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.03	-	<0.03	<0.006	<0.006	<0.006	<0.03	-	<0.03	NA
Dissolved Copper #	ug/l	1	Min. EQS AA (Bioavailable)	<7	<7	<7	<7	<7	<7	<7	<7	<7	1.88	-	2.87	<7	<7	<7	1.5	-	0.901	NA
Dissolved Lead #	ug/l	1.2	Min. EQS AA (Bioavailable)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.2	<0.2	0.442	<5	<5	<5	<0.2	<0.2	<0.2	NA
Dissolved Nickel #	ug/l	4	Min. EQS AA (Bioavailable)	<2	<2	<2	<2	<2	<2	<2	<2	<2	1.45	1.15	<0.4	<2	<2	<2	1.44	1.24	<0.4	NA
Dissolved Zinc #	ug/l	10.9	Min. EQS AA (Bioavailable)	18	<3	4	4	6	<3	14	16	5	3.05	3.97	4.42	5	17	3	3.43	2.96	4.88	NA
Mercury Dissolved by CVAF		0.07	EQS MAC	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.01	<0.01	<0.01	NA	NA	NA	<0.01	<0.01	<0.01	NA
Dissolved Mercury #	ug/l	0.07	EQS MAC	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.01	<0.01	<0.01	<1	<1	<1	<0.01	<0.01	<0.01	NA
Dissolved Calcium #	mg/l		n/a - indicator parameter	100.6	100.8	97.9	98.6	98.6	95.8	85.1	97	100.6	107	109	118	71.8	95.9	98.7	106	115	120	NA
Dissolved Magnesium #	mg/l		n/a - indicator parameter	4.9	5.1	5.4	4.8	5.1	5.3	3.7	5	5.5	5.01	5.04	5.32	3.2	5	5.3	4.95	5.16	4.69	NA
Dissolved Sodium #	mg/l		n/a - indicator parameter	27.4	22.7	22.6	25	21.8	21.8	22	22.3	23.1	25.3	25.5	65.9	19.5	22.6	23.9	26.1	25.6	42.6	NA
PAH MS																						
Acenaphthylene #	ug/l	0	Screened for detection	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	0.013	<0.013	<0.005	<0.005	<0.005	<0.013	<0.013	<0.013	<0.005	<0.005	<0.005	NA
Anthracene #	ug/l	0.1	EQS AA	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.005	<0.005	0.006	<0.013	<0.013	<0.013	<0.005	<0.005	<0.005	NA
Benzo(a)anthracene #	ug/l	0	Screened for detection	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.005	<0.005	0.031	<0.015	<0.015	<0.015	<0.005	0.006	0.020	NA
Benzo(a)pyrene #	ug/l	0.00017	EQS AA	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.002	<0.002	0.025	<0.016	<0.016	<0.016	<0.002	0.004	0.002	NA
Benzo(b)fluoranthene	ug/l	0.017	EQS MAC	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005	<0.005	0.035	<0.01	<0.01	<0.01	<0.005	0.008	0.013	NA
Benzo(ghi)perylene #	ug/l	0.0082	EQS MAC	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.005	<0.005	0.035	<0.011	<0.011	<0.011	<0.005	<0.005	<0.005	NA
Benzo(k)fluoranthene	ug/l	0.017	EQS MAC	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005	<0.005	0.021	<0.01	<0.01	<0.01	<0.005	<0.005	0.005	NA
Chrysene #	ug/l	0	Screened for detection	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.005	<0.005	0.035	<0.011	<0.011	<0.011	<0.005	0.007	0.014	NA
Dibenzo(ah)anthracene #	ug/l	0	Screened for detection	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	NA
Fluoranthene #	ug/l	0.0063	EQS AA	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	0.013	<0.012	<0.012	<0.005	<0.005	0.048	<0.012	<0.012	<0.012	<0.005	0.010	0.020	NA
Fluorene #	ug/l	0	Screened for detection	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.005	<0.005	<0.005	<0.014	<0.014	<0.014	<0.005	<0.005	<0.005	NA
Indeno(123cd)pyrene #	ug/l	0	Screened for detection	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.005	<0.005	0.018	<0.011	<0.011	<0.011	<0.005	<0.005	<0.005	NA
Naphthalene #	ug/l	2	EQS AA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.01	<0.01	0.010	<0.1	<0.1	<0.1	<0.01	<0.01	0.013	NA
Phenanthrene #	ug/l	0	Screened for detection	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.005	<0.005	0.014	<0.011	<0.011	<0.011	<0.005	0.006	0.010	NA
Pyrene #	ug/l	0	Screened for detection	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.005	<0.005	0.042	<0.013	<0.013	<0.013	<0.005	0.009	0.015	NA
PAH 16 Total #	ug/l		n/a -sum of above	<0.195	<0.195	<0.195	<0.195	<0.195	<0.195	<0.195	<0.195	<0.195	<0.082	<0.082	0.319	<0.195	<0.195	<0.195	<0.082	<0.082	0.117	NA
PAH, Total Detected USEPA 16 (aq)	µg/l		n/a -sum of above										<0.082	<0.082	0.319				<0.082	<0.082	0.117	
Benzo(bk)fluoranthene #	ug/l	0	Screened for detection	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018				<0.018	<0.018	<0.018				NA
Acenaphthene #	ug/l	0	Screened for detection	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.005	<0.005	<0.005	<0.013	<0.013	<0.013	<0.005	<0.005	0.00501	NA
TPH CWG																						
Aliphatics																						

				Sample ID	SW301	SW301	SW301	SW302	SW302	SW302	SW303	SW303	SW303	SW303	SW303	SW303	SW304	SW304	SW304	SW304	SW304	SW304	SW311
				Sampled Date	18/05/2017	01/06/2017	08/06/2017	18/05/2017	01/06/2017	08/06/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017
				Sampled feature	Hinksey Stream	Hinksey Stream	Hinksey Stream	Bulstake Stream	Bulstake Stream	Bulstake Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream
				Adj Feature	SW end Willow Walk	SW end Willow Walk	SW end Willow Walk	NE end Willow Walk	NE end Willow Walk	NE end Willow Walk	Devils Backbone	Devils Backbone	Devils Backbone	Devils Backbone	Devils Backbone	Devils Backbone	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	S side of A423
>C5-C6 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10
>C6-C8 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10
>C8-C10 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10
>C10-C12 #	ug/l	10	EQS AA for Benzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	<5	<5	<5	-	-	-	<5
>C12-C16 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10
>C16-C21 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10
>C21-C35 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10
Total aliphatics C5-35 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10				<10	<10	<10				<10
Total Aliphatics >C12-C35 (aq)	ug/l	10	EQS AA for Benzene										-	-	-				-	-	-	
Aromatics																							
>C5-EC7 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10
>EC7-EC8 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10
>EC8-EC10 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10
>EC10-EC12 #	ug/l	10	EQS AA for Benzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	<5	<5	<5	-	-	-	<5
>EC12-EC16 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10
>EC16-EC21 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10
>EC21-EC35 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10
Total Aromatics >EC12-EC35 (aq)	ug/l	10	EQS AA for Benzene										-	-	-				-	-	-	
Total aromatics C5-35 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10				<10	<10	<10				<10
Total aliphatics and aromatics(C5-35) #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-	-	<10	<10	<10	-	-	-	<10
GRO (>C4-C8)	ug/l	10	EQS AA for Benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				NA
GRO (>C8-C12)	ug/l	10	EQS AA for Benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				NA
GRO (>C4-C12)	ug/l	10	EQS AA for Benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				NA
EPH (C8-C40)	ug/l	10	EQS AA for Benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				NA
Aliphatics >C16-C35 Aqueous	ug/l	10	EQS AA for Benzene										-	-	-				-	-	-	
Mineral Oil (C8-C40)	ug/l	10	EQS AA for Benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				NA
GRO >C5-C12	ug/l	10	EQS AA for Benzene										-	-	-				-	-	-	
BTEX/MTBE MS																							
Methyl Tertiary Butyl Ether #	ug/l	10	EQS AA for Benzene	<0.1	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<0.1
Benzene #	ug/l	10	EQS AA for Benzene	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<0.5
Toluene #	ug/l	10	EQS AA for Benzene	<5	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<5
Ethylbenzene #	ug/l	10	EQS AA for Benzene	<1	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
p/m-Xylene #	ug/l	10	EQS AA for Benzene	<2	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<2
o-Xylene #	ug/l	10	EQS AA for Benzene	<1	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
Sum of detected Xylenes	ug/l	10	EQS AA for Benzene										-	-	-				-	-	-	
Sum of detected BTEX	ug/l	10	EQS AA for Benzene										-	-	-				-	-	-	
MTBE #	ug/l	10	EQS AA for Benzene	<5	<5	<5	<5	<5	<5	<5	<5	<5				<5	<5	<5				NA
Benzene #	ug/l	10	EQS AA for Benzene	<5	<5	<5	<5	<5	<5	<5	<5	<5				<5	<5	<5				NA
Toluene #	ug/l	10	EQS AA for Benzene	<5	<5	<5	<5	<5	<5	<5	<5	<5				<5	<5	<5				NA
Ethylbenzene #	ug/l	10	EQS AA for Benzene	<5	<5	<5	<5	<5	<5	<5	<5	<5				<5	<5	<5				NA
m/p-Xylene #	ug/l	10	EQS AA for Benzene	<5	<5	<5	<5	<5	<5	<5	<5	<5				<5	<5	<5				NA
o-Xylene #	ug/l	10	EQS AA for Benzene	<5	<5	<5	<5	<5	<5	<5	<5	<5				<5	<5	<5				NA
VOC MS																							
1,1,1,2-Tetrachloroethane #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<2
1,1,1-Trichloroethane #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<2
1,1,2,2-Tetrachloroethane	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<4
1,1,2-Trichloroethane #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<2
1,1-Dichloroethane #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3
1,1-Dichloroethene (1,1 DCE) #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3
1,1-Dichloropropene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3
1,2,3-Trichlorobenzene	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3

				Sample ID	SW301	SW301	SW301	SW302	SW302	SW302	SW303	SW303	SW303	SW303	SW303	SW303	SW304	SW304	SW304	SW304	SW304	SW304	SW311
				Sampled Date	18/05/2017	01/06/2017	08/06/2017	18/05/2017	01/06/2017	08/06/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017
				Sampled feature	Hinksey Stream	Hinksey Stream	Hinksey Stream	Bulstake Stream	Bulstake Stream	Bulstake Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream
				Adj Feature	SW end Willow Walk	SW end Willow Walk	SW end Willow Walk	NE end Willow Walk	NE end Willow Walk	NE end Willow Walk	Devils Backbone	Devils Backbone	Devils Backbone	Devils Backbone	Devils Backbone	Devils Backbone	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	S side of A423
1,2,3-Trichloropropane #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3
1,2,4-Trichlorobenzene	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3
1,2,4-Trimethylbenzene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3
1,2-Dibromo-3-chloropropane	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<2
1,2-Dibromoethane #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<2
1,2-Dichlorobenzene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3
1,2-Dichloroethane #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<2
1,2-Dichloropropane #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<2
1,3,5-Trichlorobenzene	µg/l	0	Screened for detection										-	-	-				-	-	-	
1,3,5-Trimethylbenzene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3
1,3-Dichlorobenzene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3
1,3-Dichloropropane #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<2
1,4-Dichlorobenzene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3
2,2-Dichloropropane	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
2-Chlorotoluene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3
4-Chlorotoluene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3
4-Isopropyltoluene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3
Benzene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<0.5
Bromobenzene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<2
Bromochloromethane #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<2
Bromodichloromethane #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<2
Bromoform #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<2
Bromomethane	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
Carbon disulphide	µg/l	0	Screened for detection										-	-	-				-	-	-	
Carbon tetrachloride #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<2
Chlorobenzene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<2
Chloroethane #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3
Chloroform #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<2
Chloromethane #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3
cis-1-2-Dichloroethene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3
cis-1-3-Dichloropropene	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<2
Dibromochloromethane #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<2
Dibromomethane #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3
Dichlorodifluoromethane	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<2
Dichloromethane (DCM) #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<5
Ethylbenzene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
Hexachlorobutadiene	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3
Isopropylbenzene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3
Methyl Tertiary Butyl Ether #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<0.1
Naphthalene	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<2
n-Butylbenzene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3
o-Xylene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
p/m-Xylene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<2
Propylbenzene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3
sec-Butylbenzene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3
Styrene	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<2
tert-Amyl methyl ether (TAME)	µg/l	0	Screened for detection										-	-	-				-	-	-	
tert-Butylbenzene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3
Tetrachloroethene (PCE) #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3
Toluene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<5
trans-1-2-Dichloroethene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3
trans-1-3-Dichloropropene	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<2

				Sample ID	SW301	SW301	SW301	SW302	SW302	SW302	SW303	SW303	SW303	SW303	SW303	SW303	SW304	SW304	SW304	SW304	SW304	SW304	SW311
				Sampled Date	18/05/2017	01/06/2017	08/06/2017	18/05/2017	01/06/2017	08/06/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017
				Sampled feature	Hinksey Stream	Hinksey Stream	Hinksey Stream	Bulstake Stream	Bulstake Stream	Bulstake Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream
				Adj Feature	SW end Willow Walk	SW end Willow Walk	SW end Willow Walk	NE end Willow Walk	NE end Willow Walk	NE end Willow Walk	Devils Backbone	Devils Backbone	Devils Backbone	Devils Backbone	Devils Backbone	Devils Backbone	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	S side of A423
Trichloroethene (TCE)[#]	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3
Trichlorofluoromethane[#]	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<3
Vinyl Chloride[#]	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<0.1
Phenols																							
Phenol	mg/l	0.0077	EQS AA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.002	<0.002	<0.002	NA	NA	NA	<0.002	<0.002	<0.002	NA
Total Phenols HPLC	mg/l	0.0077	EQS AA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1	<0.1				NA
Phenols by MS																							
2-Chlorophenol[#]	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
2-Methylphenol[#]	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<0.5
2-Nitrophenol	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<0.5
2,4-Dichlorophenol[#]	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<0.5
2,4-Dimethylphenol	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
2,4,5-Trichlorophenol[#]	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<0.5
2,4,6-Trichlorophenol	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
4-Chloro-3-methylphenol[#]	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<0.5
4-Methylphenol	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
4-Nitrophenol	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<10
Pentachlorophenol	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
Phenol	ug/l	7.7	EQS AA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
PAHs by MS																							
2-Chloronaphthalene[#]	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
2-Methylnaphthalene[#]	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
Naphthalene[#]	ug/l	2	UK EQS AA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.01	<0.01	0.010	NA	NA	NA	<0.01	<0.01	0.013	<1
Acenaphthylene[#]	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	<0.5
Acenaphthene[#]	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	<0.005	<0.005	0.005	<1
Fluorene[#]	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	<0.5
Phenanthrene[#]	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.005	<0.005	0.014	NA	NA	NA	<0.005	0.006	0.010	<0.5
Anthracene[#]	ug/l	0.1	EQS AA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.005	<0.005	0.006	NA	NA	NA	<0.005	<0.005	<0.005	<0.5
Fluoranthene[#]	ug/l	0.0063	EQS AA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.005	<0.005	0.048	NA	NA	NA	<0.005	0.010	0.020	<0.5
Pyrene[#]	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.005	<0.005	0.042	NA	NA	NA	<0.005	0.009	0.015	<0.5
Benzo(a)anthracene[#]	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.005	<0.005	0.031	NA	NA	NA	<0.005	0.006	0.020	<0.5
Chrysene[#]	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.005	<0.005	0.035	NA	NA	NA	<0.005	0.007	0.014	<0.5
Benzo(bk)fluoranthene[#]	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				<1
Benzo(a)pyrene	ug/l	0.00017	EQS AA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.002	<0.002	0.025	NA	NA	NA	<0.002	0.004	0.002	<1
Indeno(123cd)pyrene	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.005	<0.005	0.018	NA	NA	NA	<0.005	<0.005	<0.005	<1
Dibenzo(ah)anthracene[#]	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	<0.5
Benzo(ghi)perylene[#]	ug/l	0.0082	EQS MAC	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.005	<0.005	0.035	NA	NA	NA	<0.005	<0.005	<0.005	<0.5
Benzo(b)fluoranthene (aq)	µg/l	0.017	EQS MAC										-	-	0.035				-	-	0.013	
Benzo(k)fluoranthene (aq)	µg/l	0.017	EQS MAC										-	-	0.021				-	-	0.005	
Phthalates																							
Bis(2-ethylhexyl) phthalate	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<5
Butylbenzyl phthalate	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
Di-n-butyl phthalate[#]	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1.5
Di-n-Octyl phthalate	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
Diethyl phthalate[#]	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
Dimethyl phthalate	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
Other SVOCs																							
1,2-Dichlorobenzene[#]	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
1,2,4-Trichlorobenzene[#]	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1

				Sample ID	SW301	SW301	SW301	SW302	SW302	SW302	SW303	SW303	SW303	SW303	SW303	SW303	SW304	SW304	SW304	SW304	SW304	SW304	SW311
				Sampled Date	18/05/2017	01/06/2017	08/06/2017	18/05/2017	01/06/2017	08/06/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017
				Sampled feature	Hinksey Stream	Hinksey Stream	Hinksey Stream	Bulstake Stream	Bulstake Stream	Bulstake Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream
				Adj Feature	SW end Willow Walk	SW end Willow Walk	SW end Willow Walk	NE end Willow Walk	NE end Willow Walk	NE end Willow Walk	Devils Backbone	Devils Backbone	Devils Backbone	Devils Backbone	Devils Backbone	Devils Backbone	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	S side of A423
1,3-Dichlorobenzene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
1,4-Dichlorobenzene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
2-Nitroaniline	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
2,4-Dinitrotoluene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<0.5
2,6-Dinitrotoluene	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
3-Nitroaniline	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
4-Bromophenylphenylether #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
4-Chloroaniline	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
4-Chlorophenylphenylether #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
4-Nitroaniline	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<0.5
Azobenzene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<0.5
Bis(2-chloroethoxy)methane #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<0.5
Bis(2-chloroethyl)ether #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
Carbazole #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<0.5
Dibenzofuran #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<0.5
Hexachlorobenzene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
Hexachlorobutadiene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
Hexachlorocyclopentadiene	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
Hexachloroethane #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
Isophorone #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<0.5
N-nitrosodi-n-propylamine #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<0.5
Nitrobenzene #	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<1
Pesticides																							
Organochlorine Pesticides																							
Aldrin	ug/l	0	Screened for detection										-	-	-				-	-	-		
Alpha-HCH (BHC)	ug/l	0	Screened for detection										-	-	-				-	-	-		
Beta-HCH (BHC)	ug/l	0	Screened for detection										-	-	-				-	-	-		
Chlorothalonil	ug/l	0	Screened for detection										-	-	-				-	-	-		
cis-Chlordane	ug/l	0	Screened for detection										-	-	-				-	-	-		
Delta-HCH (BHC)	ug/l	0	Screened for detection										-	-	-				-	-	-		
Dieldrin	ug/l	0	Screened for detection										-	-	-				-	-	-		
Disulfoton	ug/l	0	Screened for detection										-	-	-				-	-	-		
Endosulphan I	ug/l	0	Screened for detection										-	-	-				-	-	-		
Endosulphan II	ug/l	0	Screened for detection										-	-	-				-	-	-		
Endosulphan sulphate	ug/l	0	Screened for detection										-	-	-				-	-	-		
Endrin	ug/l	0	Screened for detection										-	-	-				-	-	-		
Gamma-HCH (BHC)	ug/l	0	Screened for detection										-	-	-				-	-	-		
Heptachlor	ug/l	0	Screened for detection										-	-	-				-	-	-		
Heptachlor Epoxide	ug/l	0	Screened for detection										-	-	-				-	-	-		
Hexachlorobenzene	ug/l	0	Screened for detection										-	-	-				-	-	-		
Isodrin	ug/l	0	Screened for detection										-	-	-				-	-	-		
o,p'-DDE	ug/l	0	Screened for detection										-	-	-				-	-	-		
o,p'-DDT	ug/l	0	Screened for detection										-	-	-				-	-	-		
o,p'-Methoxychlor	ug/l	0	Screened for detection										-	-	-				-	-	-		
o,p'-TDE	ug/l	0	Screened for detection										-	-	-				-	-	-		
p,p'-DDE	ug/l	0	Screened for detection										-	-	-				-	-	-		
p,p'-DDT	ug/l	0	Screened for detection										-	-	-				-	-	-		
p,p'-Methoxychlor	ug/l	0	Screened for detection										-	-	-				-	-	-		
p,p'-TDE	ug/l	0	Screened for detection										-	-	-				-	-	-		
Pendimethalin	ug/l	0	Screened for detection										-	-	-				-	-	-		
Permethrin I	ug/l	0	Screened for detection										-	-	-				-	-	-		

			Sample ID	SW301	SW301	SW301	SW302	SW302	SW302	SW303	SW303	SW303	SW303	SW303	SW303	SW304	SW304	SW304	SW304	SW304	SW304	SW311
			Sampled Date	18/05/2017	01/06/2017	08/06/2017	18/05/2017	01/06/2017	08/06/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017
			Sampled feature	Hinksey Stream	Hinksey Stream	Hinksey Stream	Bulstake Stream	Bulstake Stream	Bulstake Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream
			Adj Feature	SW end Willow Walk	SW end Willow Walk	SW end Willow Walk	NE end Willow Walk	NE end Willow Walk	NE end Willow Walk	Devils Backbone	Devils Backbone	Devils Backbone	Devils Backbone	Devils Backbone	Devils Backbone	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	S side of A423
Permethrin II	ug/l	0	Screened for detection										-	-	-				-	-	-	
Quintozene (PCNB)	ug/l	0	Screened for detection										-	-	-				-	-	-	
Tecnazene	ug/l	0	Screened for detection										-	-	-				-	-	-	
Telodrin	ug/l	0	Screened for detection										-	-	-				-	-	-	
trans-Chlordane	ug/l	0	Screened for detection										-	-	-				-	-	-	
Triadimefon	ug/l	0	Screened for detection										-	-	-				-	-	-	
Triallate	ug/l	0.25	EQS AA (Tentative - DETR 1998)										-	-	-				-	-	-	
Trifluralin	ug/l	0	Screened for detection										-	-	-				-	-	-	
Organophosphorus Pesticides																						
Benazolin	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				<0.2
Bentazone	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				<0.2
Bromoxynil	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				<0.2
Clopyralid	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				<0.2
4 - CPA	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				<0.2
2,4 - D	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				<0.2
2,4 - DB	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				<0.2
Dicamba	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				<0.2
Dichloroprop	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				<0.2
Diclofop	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				<0.2
Fenoprop	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				<0.2
Flamprop	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				<0.2
Flamprop – isopropyl	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				<0.2
Ioxynil	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				<0.2
MCPA	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				<0.2
MCPB	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				<0.2
Mecoprop	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				<0.2
Picloram	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				<0.2
Pentachlorophenol	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				<0.2
2,4,5 - T	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				<0.2
2,3,6 - TBA	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				<0.2
Triclopyr	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				<0.2
PCBs:																						
PCB 28	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<0.1
PCB 52	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<0.1
PCB 101	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<0.1
PCB 105	µg/l	0	Screened for detection										-	-	-				-	-	-	
PCB 114	µg/l	0	Screened for detection										-	-	-				-	-	-	
PCB 118	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<0.1
PCB 123	µg/l	0	Screened for detection										-	-	-				-	-	-	
PCB 126	µg/l	0	Screened for detection										-	-	-				-	-	-	
PCB 138	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<0.1
PCB 153	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<0.1
PCB 156	µg/l	0	Screened for detection										-	-	-				-	-	-	
PCB 157	µg/l	0	Screened for detection										-	-	-				-	-	-	
PCB 167	µg/l	0	Screened for detection										-	-	-				-	-	-	
PCB 169	µg/l	0	Screened for detection										-	-	-				-	-	-	
PCB 180	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	NA	NA	NA	-	-	-	<0.1
PCB 189	µg/l	0	Screened for detection										-	-	-				-	-	-	
PCB congener 77	µg/l	0	Screened for detection										-	-	-				-	-	-	
PCB congener 81	µg/l	0	Screened for detection										-	-	-				-	-	-	

			Sample ID	SW301	SW301	SW301	SW302	SW302	SW302	SW303	SW303	SW303	SW303	SW303	SW303	SW304	SW304	SW304	SW304	SW304	SW304	SW311
			Sampled Date	18/05/2017	01/06/2017	08/06/2017	18/05/2017	01/06/2017	08/06/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017
			Sampled feature	Hinksey Stream	Hinksey Stream	Hinksey Stream	Bulstake Stream	Bulstake Stream	Bulstake Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream
			Adj Feature	SW end Willow Walk	SW end Willow Walk	SW end Willow Walk	NE end Willow Walk	NE end Willow Walk	NE end Willow Walk	Devils Backbone	Devils Backbone	Devils Backbone	Devils Backbone	Devils Backbone	Devils Backbone	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	Old Abingdon Rd (u/s Redbdridge Landfill)	S side of A423
Total 7 PCBs	ug/l	0	Screened for detection	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA				<0.7
Sum of detected EC7 PCB's		0	Screened for detection										-	-	-				-	-	-	

Test	Units	Initial Screening Value	Source of Screening Value	Sample ID	SW311	SW311	SW311	SW311	SW311	SW305	SW305	SW305	SW305	SW305	SW305	SW306	SW306	SW306	SW306	SW306	SW306	SW307	SW307
				Sampled Date	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	01/06/2017	08/06/2017
				Sampled feature	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain
				Adj Feature	S side of A423	S side of A423	S side of A423	S side of A423	S side of A423	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	S side of railway (S of KRE landfill)	S side of railway (S of KRE landfill)
pH[1]	pH units	6.5-8.5	EQS		NA	NA	8.12	7.92	8.1	NA	NA	NA	8.16	7.93	7.71	NA	NA	NA	7.8	7.92	7.9	NA	NA
Total Alkalinity as CaCO3	mg/l		Indicator only		NA	NA	215	240	235	NA	NA	NA	320	315	255	NA	NA	NA	215	245	220	NA	NA
Dissolved Organic Carbon	mg/l		Indicator only		NA		4.02	4.55	4.61	NA	NA		3.66	5.65	7.15	NA	NA		7.67	4.45	<3	NA	
Chloride	mg/l	250	UK DWS		NA	NA	41.1	-	115	NA	NA	NA	79.5	-	272	NA	NA	NA	56.7	-	137	NA	NA
Nitrate as NO3	mg/l	50	UK DWS		NA	NA	25.6	25.4	23.6	NA	NA	NA	6.28	6.28	6.37	NA	NA	NA	26.5	25.2	24.2	NA	NA
Sulphate	mg/l	250	UK DWS		NA	NA	60.5	62.5	65.8	NA	NA	NA	101	106	92.4	NA	NA	NA	63.3	62.5	60.5	NA	NA
Ortho Phosphate as PO4 #	mg/l	0.06	Previous EQS AA		NA	NA	0.466	0.271	0.298	NA	NA	NA	<0.05	<0.05	<0.05	NA	NA	NA	0.398	0.309	0.403	NA	NA
Ammoniacal Nitrogen as N #	mg/l	0.6	EQS for rivers		NA	NA	<0.2	<0.2	<0.2	NA	NA	NA	<0.2	<0.2	0.267	NA	NA	NA	0.221	<0.2	<0.2	NA	NA
Metals																							
Dissolved Arsenic #	ug/l	50	EQS AA		NA	NA	1.06	1.4	0.687	NA	NA	NA	1.33	0.944	0.509	NA	NA	NA	1.5	1.35	0.708	NA	NA
Dissolved Boron	ug/l	1000	UK DWS		NA	NA	41.4	46.7	39	NA	NA	NA	52.5	42.7	51.6	NA	NA	NA	44.7	45.8	38.1	NA	NA
Dissolved Cadmium #	ug/l	0.25	EQS AA (Hard water)		NA	NA	<0.08	-	<0.08	NA	NA	NA	<0.08	-	<0.08	NA	NA	NA	<0.08	-	<0.08	NA	NA
Total Dissolved Chromium #	ug/l	3.4	EQS AA for Cr VI		NA	NA	1.55	-	<1	NA	NA	NA	<1	-	<1	NA	NA	NA	<1	-	<1	NA	NA
Hexavalent Chromium	mg/l	3.4	EQS AA for Cr VI		NA	NA	<0.03	-	<0.03	NA	NA	NA	<0.03	-	<0.03	NA	NA	NA	<0.03	-	<0.03	NA	NA
Dissolved Copper #	ug/l	1	Min. EQS AA (Bioavailable)		NA	NA	4.08	-	0.959	NA	NA	NA	1	-	3	NA	NA	NA	4.53	-	1.47	NA	NA
Dissolved Lead #	ug/l	1.2	Min. EQS AA (Bioavailable)		NA	NA	1.19	<0.2	<0.2	NA	NA	NA	<0.2	<0.2	<0.2	NA	NA	NA	<0.2	<0.2	<0.2	NA	NA
Dissolved Nickel #	ug/l	4	Min. EQS AA (Bioavailable)		NA	NA	1.77	1.29	<0.4	NA	NA	NA	0.994	0.796	<0.4	NA	NA	NA	1.8	1.52	<0.4	NA	NA
Dissolved Zinc #	ug/l	10.9	Min. EQS AA (Bioavailable)		NA	NA	5.19	4.35	4.34	NA	NA	NA	5.67	3.52	22.9	NA	NA	NA	18.9	16.1	9.91	NA	NA
Mercury Dissolved by CVAF		0.07	EQS MAC		NA	NA	<0.01	<0.01	<0.01	NA	NA	NA	<0.01	<0.01	<0.01	NA	NA	NA	<0.01	<0.01	<0.01	NA	NA
Dissolved Mercury #	ug/l	0.07	EQS MAC		NA	NA	<0.01	<0.01	<0.01	NA	NA	NA	<0.01	<0.01	<0.01	NA	NA	NA	<0.01	<0.01	<0.01	NA	NA
Dissolved Calcium #	mg/l		n/a - indicator parameter		NA	NA	104	107	119	NA	NA	NA	156	149	131	NA	NA	NA	109	115	106	NA	NA
Dissolved Magnesium #	mg/l		n/a - indicator parameter		NA	NA	5.08	5.13	5.86	NA	NA	NA	9.9	9.77	7.35	NA	NA	NA	5.14	5.34	4.74	NA	NA
Dissolved Sodium #	mg/l		n/a - indicator parameter		NA	NA	27.4	24.3	64.7	NA	NA	NA	45.1	33.1	146	NA	NA	NA	28	26.4	73.5	NA	NA
PAH MS																							
Acenaphthylene #	ug/l	0	Screened for detection		NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	<0.005	<0.025	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	NA
Anthracene #	ug/l	0.1	EQS AA		NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	<0.005	<0.025	0.008	NA	NA	NA	<0.005	<0.005	<0.005	NA	NA
Benzo(a)anthracene #	ug/l	0	Screened for detection		NA	NA	<0.005	<0.005	0.005	NA	NA	NA	<0.005	<0.025	0.041	NA	NA	NA	<0.005	<0.005	0.025	NA	NA
Benzo(a)pyrene #	ug/l	0.00017	EQS AA		NA	NA	<0.002	0.003	0.010	NA	NA	NA	<0.002	<0.01	0.036	NA	NA	NA	<0.002	<0.162	0.020	NA	NA
Benzo(b)fluoranthene	ug/l	0.017	EQS MAC		NA	NA	<0.005	0.005	0.014	NA	NA	NA	<0.005	<0.025	0.056	NA	NA	NA	<0.005	<0.229	0.027	NA	NA
Benzo(ghi)perylene #	ug/l	0.0082	EQS MAC		NA	NA	<0.005	<0.005	0.017	NA	NA	NA	<0.005	<0.025	0.059	NA	NA	NA	<0.005	<0.175	0.029	NA	NA
Benzo(k)fluoranthene	ug/l	0.017	EQS MAC		NA	NA	<0.005	<0.005	0.011	NA	NA	NA	<0.005	<0.025	0.032	NA	NA	NA	<0.005	<0.232	0.020	NA	NA
Chrysene #	ug/l	0	Screened for detection		NA	NA	<0.005	0.006	0.012	NA	NA	NA	<0.005	<0.025	0.043	NA	NA	NA	<0.005	<0.005	0.019	NA	NA
Dibenzo(ah)anthracene #	ug/l	0	Screened for detection		NA	NA	<0.005	<0.005	0.006	NA	NA	NA	<0.005	<0.025	<0.005	NA	NA	NA	<0.005	<0.0678	0.006	NA	NA
Fluoranthene #	ug/l	0.0063	EQS AA		NA	NA	<0.005	0.007	0.014	NA	NA	NA	<0.005	<0.025	0.094	NA	NA	NA	0.008	<0.005	0.028	NA	NA
Fluorene #	ug/l	0	Screened for detection		NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	<0.005	<0.025	<0.005	NA	NA	NA	<0.005	<0.005	<0.005	NA	NA
Indeno(123cd)pyrene #	ug/l	0	Screened for detection		NA	NA	<0.005	<0.005	0.010	NA	NA	NA	<0.005	<0.025	0.033	NA	NA	NA	<0.005	<0.0612	0.016	NA	NA
Naphthalene #	ug/l	2	EQS AA		NA	NA	<0.01	<0.01	<0.01	NA	NA	NA	<0.01	<0.05	0.014	NA	NA	NA	0.011	<0.01	<0.01	NA	NA
Phenanthrene #	ug/l	0	Screened for detection		NA	NA	<0.005	<0.005	0.008	NA	NA	NA	<0.005	<0.025	0.044	NA	NA	NA	<0.005	<0.005	0.012	NA	NA
Pyrene #	ug/l	0	Screened for detection		NA	NA	<0.005	0.006	0.012	NA	NA	NA	<0.005	<0.025	0.085	NA	NA	NA	0.007	<0.005	0.025	NA	NA
PAH 16 Total #	ug/l		n/a -sum of above		NA	NA	<0.082	<0.082	0.121	NA	NA	NA	<0.082	<0.41	0.550	NA	NA	NA	<0.082	<0.082	0.226	NA	NA
PAH, Total Detected USEPA 16 (aq)	µg/l		n/a -sum of above				<0.082	<0.082	0.121				<0.082	<0.41	0.550				<0.082	<0.082	0.226		
Benzo(bk)fluoranthene #	ug/l	0	Screened for detection		NA	NA				NA	NA	NA				NA	NA	NA				NA	NA
Acenaphthene #	ug/l	0	Screened for detection		NA	NA	<0.005	<0.005	<0.005	NA	NA	NA	<0.005	<0.025	0.00505	NA	NA	NA	<0.005	<0.005	<0.005	NA	NA
TPH CWG																							
Aliphatics																							

			Sample ID	SW311	SW311	SW311	SW311	SW311	SW305	SW305	SW305	SW305	SW305	SW305	SW306	SW306	SW306	SW306	SW306	SW306	SW307	SW307
			Sampled Date	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	01/06/2017	08/06/2017
			Sampled feature	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain
			Adj Feature	S side of A423	S side of A423	S side of A423	S side of A423	S side of A423	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	S side of railway (S of KRE landfill)	S side of railway (S of KRE landfill)
>C5-C6 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
>C6-C8 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
>C8-C10 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
>C10-C12 #	ug/l	10	EQS AA for Benzene	<5	<5	<10	<10	<10	<5	<5	<5	<10	<10	<10	<5	<5	<5	<10	<10	<10	<5	<5
>C12-C16 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10
>C16-C21 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10
>C21-C35 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total aliphatics C5-35 #	ug/l	10	EQS AA for Benzene	<10	<10				<10	<10	<10				<10	<10	<10				<10	<10
Total Aliphatics >C12-C35 (aq)	ug/l	10	EQS AA for Benzene			<10	<10	<10				<10	<50	<10				<10	<10	<10		
Aromatics																						
>C5-EC7 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
>EC7-EC8 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
>EC8-EC10 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
>EC10-EC12 #	ug/l	10	EQS AA for Benzene	<5	<5	<10	<10	<10	<5	<5	<5	<10	<10	<10	<5	<5	<5	<10	<10	<10	<5	<5
>EC12-EC16 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10
>EC16-EC21 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10
>EC21-EC35 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total Aromatics >EC12-EC35 (aq)	ug/l	10	EQS AA for Benzene			<10	<10	<10				<10	<50	<10				<10	<10	<10		
Total aromatics C5-35 #	ug/l	10	EQS AA for Benzene	<10	<10				<10	<10	<10				<10	<10	<10				<10	<10
Total aliphatics and aromatics(C5-35) #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
GRO (>C4-C8)	ug/l	10	EQS AA for Benzene	NA	NA				NA	NA	NA				NA	NA	NA				NA	NA
GRO (>C8-C12)	ug/l	10	EQS AA for Benzene	NA	NA				NA	NA	NA				NA	NA	NA				NA	NA
GRO (>C4-C12)	ug/l	10	EQS AA for Benzene	NA	NA				NA	NA	NA				NA	NA	NA				NA	NA
EPH (C8-C40)	ug/l	10	EQS AA for Benzene	NA	NA				NA	NA	NA				NA	NA	NA				NA	NA
Aliphatics >C16-C35 Aqueous	ug/l	10	EQS AA for Benzene			<10	<10	<10				<10	<50	<10				<10	<10	<10		
Mineral Oil (C8-C40)	ug/l	10	EQS AA for Benzene	NA	NA				NA	NA	NA				NA	NA	NA				NA	NA
GRO >C5-C12	ug/l	10	EQS AA for Benzene			<50	<50	<50				<50	<50	<50				<50	<50	<50		
BTEX/MTBE MS																						
Methyl Tertiary Butyl Ether #	ug/l	10	EQS AA for Benzene	<0.1	<0.1	<3	<3	<3	<0.1	<0.1	<0.1	<3	<3	<3	<0.1	<0.1	<0.1	<3	<3	<3	<0.1	<0.1
Benzene #	ug/l	10	EQS AA for Benzene	<0.5	<0.5	<7	<7	<7	<0.5	<0.5	<0.5	<7	<7	<7	<0.5	<0.5	<0.5	<7	<7	<7	<0.5	<0.5
Toluene #	ug/l	10	EQS AA for Benzene	<5	<5	<4	<4	<4	<5	<5	<5	<4	<4	<4	<5	<5	<5	<4	<4	<4	<5	<5
Ethylbenzene #	ug/l	10	EQS AA for Benzene	<1	<1	<5	<5	<5	<1	<1	<1	<5	<5	<5	<1	<1	<1	<5	<5	<5	<1	<1
p/m-Xylene #	ug/l	10	EQS AA for Benzene	<2	<2	<8	<8	<8	<2	<2	<2	<8	<8	<8	<2	<2	<2	<8	<8	<8	<2	<2
o-Xylene #	ug/l	10	EQS AA for Benzene	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1
Sum of detected Xylenes	ug/l	10	EQS AA for Benzene			<11	<11	<11				<11	<11	<11				<11	<11	<11		
Sum of detected BTEX	ug/l	10	EQS AA for Benzene			<28	<28	<28				<28	<28	<28				<28	<28	<28		
MTBE #	ug/l	10	EQS AA for Benzene	NA	NA				NA	NA	NA				NA	NA	NA				NA	NA
Benzene #	ug/l	10	EQS AA for Benzene	NA	NA				NA	NA	NA				NA	NA	NA				NA	NA
Toluene #	ug/l	10	EQS AA for Benzene	NA	NA				NA	NA	NA				NA	NA	NA				NA	NA
Ethylbenzene #	ug/l	10	EQS AA for Benzene	NA	NA				NA	NA	NA				NA	NA	NA				NA	NA
m/p-Xylene #	ug/l	10	EQS AA for Benzene	NA	NA				NA	NA	NA				NA	NA	NA				NA	NA
o-Xylene #	ug/l	10	EQS AA for Benzene	NA	NA				NA	NA	NA				NA	NA	NA				NA	NA
VOC MS																						
1,1,1,2-Tetrachloroethane #	ug/l	0	Screened for detection	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2
1,1,1-Trichloroethane #	ug/l	0	Screened for detection	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2
1,1,2,2-Tetrachloroethane	ug/l	0	Screened for detection	<4	<4	<1	<1	<1	<4	<4	<4	<1	<1	<1	<4	<4	<4	<1	<1	<1	<4	<4
1,1,2-Trichloroethane #	ug/l	0	Screened for detection	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2
1,1-Dichloroethane #	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3
1,1-Dichloroethene (1,1 DCE) #	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3
1,1-Dichloropropene #	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3
1,2,3-Trichlorobenzene	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3

			Sample ID	SW311	SW311	SW311	SW311	SW311	SW305	SW305	SW305	SW305	SW305	SW305	SW306	SW306	SW306	SW306	SW306	SW306	SW307	SW307
			Sampled Date	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	01/06/2017	08/06/2017
			Sampled feature	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain
			Adj Feature	S side of A423	S side of A423	S side of A423	S side of A423	S side of A423	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	S side of railway (S of KRE landfill)	S side of railway (S of KRE landfill)
1,2,3-Trichloropropane #	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3
1,2,4-Trichlorobenzene	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3
1,2,4-Trimethylbenzene #	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3
1,2-Dibromo-3-chloropropane	ug/l	0	Screened for detection	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2
1,2-Dibromoethane #	ug/l	0	Screened for detection	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2
1,2-Dichlorobenzene #	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3
1,2-Dichloroethane #	ug/l	0	Screened for detection	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2
1,2-Dichloropropane #	ug/l	0	Screened for detection	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2
1,3,5-Trichlorobenzene	µg/l	0	Screened for detection			<1	<1	<1				<1	<1	<1				<1	<1	<1		
1,3,5-Trimethylbenzene #	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3
1,3-Dichlorobenzene #	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3
1,3-Dichloropropane #	ug/l	0	Screened for detection	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2
1,4-Dichlorobenzene #	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3
2,2-Dichloropropane	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Chlorotoluene #	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3
4-Chlorotoluene #	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3
4-Isopropyltoluene #	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3
Benzene #	ug/l	0	Screened for detection	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5
Bromobenzene #	ug/l	0	Screened for detection	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2
Bromochloromethane #	ug/l	0	Screened for detection	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2
Bromodichloromethane #	ug/l	0	Screened for detection	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2
Bromoform #	ug/l	0	Screened for detection	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2
Bromomethane	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon disulphide	µg/l	0	Screened for detection			<1	<1	<1				<1	<1	<1				<1	<1	<1		
Carbon tetrachloride #	ug/l	0	Screened for detection	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2
Chlorobenzene #	ug/l	0	Screened for detection	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2
Chloroethane #	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3
Chloroform #	ug/l	0	Screened for detection	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2
Chloromethane #	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3
cis-1-2-Dichloroethene #	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3
cis-1-3-Dichloropropene	ug/l	0	Screened for detection	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2
Dibromochloromethane #	ug/l	0	Screened for detection	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2
Dibromomethane #	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3
Dichlorodifluoromethane	ug/l	0	Screened for detection	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2
Dichloromethane (DCM) #	ug/l	0	Screened for detection	<5	<5	<3	<3	<3	<5	<5	<5	<3	<3	<3	<5	<5	<5	<3	<3	<3	<5	<5
Ethylbenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3
Isopropylbenzene #	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3
Methyl Tertiary Butyl Ether #	ug/l	0	Screened for detection	<0.1	<0.1	<1	<1	<1	<0.1	<0.1	<0.1	<1	<1	<1	<0.1	<0.1	<0.1	<1	<1	<1	<0.1	<0.1
Naphthalene	ug/l	0	Screened for detection	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2
n-Butylbenzene #	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3
o-Xylene #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
p/m-Xylene #	ug/l	0	Screened for detection	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2
Propylbenzene #	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3
sec-Butylbenzene #	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3
Styrene	ug/l	0	Screened for detection	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2
tert-Amyl methyl ether (TAME)	µg/l	0	Screened for detection			<1	<1	<1				<1	<1	<1				<1	<1	<1		
tert-Butylbenzene #	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3
Tetrachloroethene (PCE) #	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3
Toluene #	ug/l	0	Screened for detection	<5	<5	<1	<1	<1	<5	<5	<5	<1	<1	<1	<5	<5	<5	<1	<1	<1	<5	<5
trans-1-2-Dichloroethene #	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3
trans-1-3-Dichloropropene	ug/l	0	Screened for detection	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2	<2	<1	<1	<1	<2	<2

			Sample ID	SW311	SW311	SW311	SW311	SW311	SW305	SW305	SW305	SW305	SW305	SW305	SW306	SW306	SW306	SW306	SW306	SW306	SW307	SW307
			Sampled Date	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	01/06/2017	08/06/2017
			Sampled feature	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain
			Adj Feature	S side of A423	S side of A423	S side of A423	S side of A423	S side of A423	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	S side of railway (S of KRE landfill)	S side of railway (S of KRE landfill)
Trichloroethene (TCE) #	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3
Trichlorofluoromethane #	ug/l	0	Screened for detection	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3	<3	<1	<1	<1	<3	<3
Vinyl Chloride #	ug/l	0	Screened for detection	<0.1	<0.1	<1	<1	<1	<0.1	<0.1	<0.1	<1	<1	<1	<0.1	<0.1	<0.1	<1	<1	<1	<0.1	<0.1
Phenols																						
Phenol	mg/l	0.0077	EQS AA	NA	NA	<0.002	<0.002	<0.002	NA	NA	NA	<0.002	<0.002	<0.002	NA	NA	NA	<0.002	<0.002	<0.002	NA	NA
Total Phenols HPLC	mg/l	0.0077	EQS AA	NA	NA				NA	NA	NA				NA	NA	NA				NA	NA
Phenols by MS																						
2-Chlorophenol #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Methylphenol #	ug/l	0	Screened for detection	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5
2-Nitrophenol	ug/l	0	Screened for detection	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5
2,4-Dichlorophenol #	ug/l	0	Screened for detection	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5
2,4-Dimethylphenol	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,4,5-Trichlorophenol #	ug/l	0	Screened for detection	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5
2,4,6-Trichlorophenol	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chloro-3-methylphenol #	ug/l	0	Screened for detection	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5
4-Methylphenol	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Nitrophenol	ug/l	0	Screened for detection	<10	<10	<1	<1	<1	<10	<10	<10	<1	<1	<1	<10	<10	<10	<1	<1	<1	<10	<10
Pentachlorophenol	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Phenol	ug/l	7.7	EQS AA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
PAHs by MS																						
2-Chloronaphthalene #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Methylnaphthalene #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Naphthalene #	ug/l	2	UK EQS AA	<1	<1	<0.01	<0.01	<0.01	<1	<1	<1	<0.01	<0.05	0.014	<1	<1	<1	0.011	<0.01	<0.01	<1	<1
Acenaphthylene #	ug/l	0	Screened for detection	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.005	<0.025	<0.005	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.5
Acenaphthene #	ug/l	0	Screened for detection	<1	<1	<0.005	<0.005	<0.005	<1	<1	<1	<0.005	<0.025	0.005	<1	<1	<1	<0.005	<0.005	<0.005	<1	<1
Fluorene #	ug/l	0	Screened for detection	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.005	<0.025	<0.005	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.5
Phenanthrene #	ug/l	0	Screened for detection	<0.5	<0.5	<0.005	<0.005	0.008	<0.5	<0.5	<0.5	<0.005	<0.025	0.044	<0.5	<0.5	<0.5	<0.005	<0.005	0.012	<0.5	<0.5
Anthracene #	ug/l	0.1	EQS AA	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.005	<0.025	0.008	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005	<0.5	<0.5
Fluoranthene #	ug/l	0.0063	EQS AA	<0.5	<0.5	<0.005	0.007	0.014	<0.5	<0.5	<0.5	<0.005	<0.025	0.094	<0.5	<0.5	<0.5	0.008	<0.005	0.028	<0.5	<0.5
Pyrene #	ug/l	0	Screened for detection	<0.5	<0.5	<0.005	0.006	0.012	<0.5	<0.5	<0.5	<0.005	<0.025	0.085	<0.5	<0.5	<0.5	0.007	<0.005	0.025	<0.5	<0.5
Benzo(a)anthracene #	ug/l	0	Screened for detection	<0.5	<0.5	<0.005	<0.005	0.005	<0.5	<0.5	<0.5	<0.005	<0.025	0.041	<0.5	<0.5	<0.5	<0.005	<0.005	0.025	<0.5	<0.5
Chrysene #	ug/l	0	Screened for detection	<0.5	<0.5	<0.005	0.006	0.012	<0.5	<0.5	<0.5	<0.005	<0.025	0.043	<0.5	<0.5	<0.5	<0.005	<0.005	0.019	<0.5	<0.5
Benzo(bk)fluoranthene #	ug/l	0	Screened for detection	<1	<1				<1	<1	<1				<1	<1	<1				<1	<1
Benzo(a)pyrene	ug/l	0.00017	EQS AA	<1	<1	<0.002	0.003	0.010	<1	<1	<1	<0.002	<0.01	0.036	<1	<1	<1	<0.002	<0.162	0.020	<1	<1
Indeno(123cd)pyrene	ug/l	0	Screened for detection	<1	<1	<0.005	<0.005	0.010	<1	<1	<1	<0.005	<0.025	0.033	<1	<1	<1	<0.005	<0.0612	0.016	<1	<1
Dibenzo(ah)anthracene #	ug/l	0	Screened for detection	<0.5	<0.5	<0.005	<0.005	0.006	<0.5	<0.5	<0.5	<0.005	<0.025	<0.005	<0.5	<0.5	<0.5	<0.005	<0.0678	0.006	<0.5	<0.5
Benzo(ghi)perylene #	ug/l	0.0082	EQS MAC	<0.5	<0.5	<0.005	<0.005	0.017	<0.5	<0.5	<0.5	<0.005	<0.025	0.059	<0.5	<0.5	<0.5	<0.005	<0.175	0.029	<0.5	<0.5
Benzo(b)fluoranthene (aq)	µg/l	0.017	EQS MAC			<1	<1	0.014				<1	<1	0.056				<1	<1	0.027		
Benzo(k)fluoranthene (aq)	µg/l	0.017	EQS MAC			<1	<1	0.011				<1	<1	0.032				<1	<1	0.020		
Phthalates																						
Bis(2-ethylhexyl) phthalate	ug/l	0	Screened for detection	<5	<5	<2	<2	<2	<5	<5	<5	<2	<2	<2	<5	<5	<5	<2	<2	<2	<5	<5
Butylbenzyl phthalate	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Di-n-butyl phthalate #	ug/l	0	Screened for detection	<1.5	<1.5	<1	<1	<1	<1.5	<1.5	<1.5	<1	<1	<1	<1.5	<1.5	<1.5	<1	<1	<1	<1.5	<1.5
Di-n-Octyl phthalate	ug/l	0	Screened for detection	<1	<1	<5	<5	<5	<1	<1	<1	<5	<5	<5	<1	<1	<1	<5	<5	<5	<1	<1
Diethyl phthalate #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dimethyl phthalate	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Other SVOCs																						
1,2-Dichlorobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

			Sample ID	SW311	SW311	SW311	SW311	SW311	SW305	SW305	SW305	SW305	SW305	SW305	SW306	SW306	SW306	SW306	SW306	SW306	SW307	SW307
			Sampled Date	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	01/06/2017	08/06/2017
			Sampled feature	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain
			Adj Feature	S side of A423	S side of A423	S side of A423	S side of A423	S side of A423	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	S side of railway (S of KRE landfill)	S side of railway (S of KRE landfill)
1,3-Dichlorobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Nitroaniline	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,4-Dinitrotoluene #	ug/l	0	Screened for detection	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5
2,6-Dinitrotoluene	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
3-Nitroaniline	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Bromophenylphenylether #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chloroaniline	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chlorophenylphenylether #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Nitroaniline	ug/l	0	Screened for detection	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5
Azobenzene #	ug/l	0	Screened for detection	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5
Bis(2-chloroethoxy)methane #	ug/l	0	Screened for detection	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5
Bis(2-chloroethyl)ether #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbazole #	ug/l	0	Screened for detection	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5
Dibenzofuran #	ug/l	0	Screened for detection	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5
Hexachlorobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorocyclopentadiene	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachloroethane #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Isophorone #	ug/l	0	Screened for detection	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5
N-nitrosodi-n-propylamine #	ug/l	0	Screened for detection	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<0.5
Nitrobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Pesticides																						
Organochlorine Pesticides																						
Aldrin	ug/l	0	Screened for detection			<0.01	<0.01	<0.02				<0.01	<0.01	<0.02				<0.01	<0.01	<0.02		
Alpha-HCH (BHC)	ug/l	0	Screened for detection			<0.01	<0.01	<0.01				<0.01	<0.01	<0.01				<0.01	<0.01	<0.01		
Beta-HCH (BHC)	ug/l	0	Screened for detection			<0.01	<0.01	<0.01				<0.01	<0.01	<0.01				<0.01	<0.01	<0.01		
Chlorothalonil	ug/l	0	Screened for detection			<0.01	<0.01	<0.01				<0.01	<0.01	<0.01				<0.01	<0.01	<0.01		
cis-Chlordane	ug/l	0	Screened for detection			<0.01	<0.01	<0.01				<0.01	<0.01	<0.01				<0.01	<0.01	<0.01		
Delta-HCH (BHC)	ug/l	0	Screened for detection			<0.01	<0.01	<0.02				<0.01	<0.01	<0.06				<0.01	<0.01	<0.06		
Dieldrin	ug/l	0	Screened for detection			<0.01	<0.01	<0.01				<0.01	<0.01	<0.01				<0.01	<0.01	<0.01		
Disulfoton	ug/l	0	Screened for detection			<0.01	<0.01	<0.01				<0.01	<0.01	<0.01				<0.01	<0.01	<0.01		
Endosulphan I	ug/l	0	Screened for detection			<0.01	<0.01	<0.01				<0.01	<0.01	<0.01				<0.01	<0.01	<0.01		
Endosulphan II	ug/l	0	Screened for detection			<0.02	<0.02	<0.02				<0.02	<0.02	<0.02				<0.02	<0.02	<0.02		
Endosulphan sulphate	ug/l	0	Screened for detection			<0.02	<0.02	<0.04				<0.02	<0.02	<0.08				<0.02	<0.02	<0.08		
Endrin	ug/l	0	Screened for detection			<0.01	<0.01	<0.01				<0.01	<0.01	<0.01				<0.01	<0.01	<0.01		
Gamma-HCH (BHC)	ug/l	0	Screened for detection			<0.01	<0.01	<0.01				<0.01	<0.01	<0.01				<0.01	<0.01	<0.01		
Heptachlor	ug/l	0	Screened for detection			<0.01	<0.01	<0.02				<0.01	<0.01	<0.02				<0.01	<0.01	<0.02		
Heptachlor Epoxide	ug/l	0	Screened for detection			<0.01	<0.01	<0.01				<0.01	<0.01	<0.01				<0.01	<0.01	<0.01		
Hexachlorobenzene	ug/l	0	Screened for detection			<0.01	<0.01	<0.01				<0.01	<0.01	<0.01				<0.01	<0.01	<0.01		
Isodrin	ug/l	0	Screened for detection			<0.01	<0.01	<0.01				<0.01	<0.01	<0.01				<0.01	<0.01	<0.01		
o,p'-DDE	ug/l	0	Screened for detection			<0.01	<0.01	<0.01				<0.01	<0.01	<0.01				<0.01	<0.01	<0.01		
o,p'-DDT	ug/l	0	Screened for detection			<0.01	<0.01	<0.01				<0.01	<0.01	<0.02				<0.01	<0.01	<0.02		
o,p'-Methoxychlor	ug/l	0	Screened for detection			<0.01	<0.01	<0.01				<0.01	<0.01	<0.01				<0.01	<0.01	<0.01		
o,p'-TDE	ug/l	0	Screened for detection			<0.01	<0.01	<0.01				<0.01	<0.01	<0.01				<0.01	<0.01	<0.01		
p,p'-DDE	ug/l	0	Screened for detection			<0.01	<0.01	<0.01				<0.01	<0.01	<0.01				<0.01	<0.01	<0.01		
p,p'-DDT	ug/l	0	Screened for detection			<0.01	<0.01	<0.01				<0.01	<0.01	<0.02				<0.01	<0.01	<0.02		
p,p'-Methoxychlor	ug/l	0	Screened for detection			<0.01	<0.01	<0.01				<0.01	<0.01	<0.02				<0.01	<0.01	<0.02		
p,p'-TDE	ug/l	0	Screened for detection			<0.01	<0.01	<0.01				<0.01	<0.01	<0.01				<0.01	<0.01	<0.01		
Pendimethalin	ug/l	0	Screened for detection			<0.01	<0.01	<0.01				<0.01	<0.01	<0.01				0.156	<0.01	<0.01		
Permethrin I	ug/l	0	Screened for detection			<0.01	<0.01	<0.02				<0.01	<0.01	<0.02				<0.01	<0.01	<0.02		

			Sample ID	SW311	SW311	SW311	SW311	SW311	SW305	SW305	SW305	SW305	SW305	SW305	SW306	SW306	SW306	SW306	SW306	SW306	SW307	SW307
			Sampled Date	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	01/06/2017	08/06/2017
			Sampled feature	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain
			Adj Feature	S side of A423	S side of A423	S side of A423	S side of A423	S side of A423	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	S side of railway (S of KRE landfill)	S side of railway (S of KRE landfill)
Permethrin II	ug/l	0	Screened for detection			<0.01	<0.01	<0.02				<0.01	<0.01	<0.02				<0.01	<0.01	<0.02		
Quintozene (PCNB)	ug/l	0	Screened for detection			<0.01	<0.01	<0.01				<0.01	<0.01	<0.01				<0.01	<0.01	<0.01		
Tecnazene	ug/l	0	Screened for detection			<0.01	<0.01	<0.01				<0.01	<0.01	<0.01				<0.01	<0.01	<0.01		
Telodrin	ug/l	0	Screened for detection			<0.01	<0.01	<0.01				<0.01	<0.01	<0.01				<0.01	<0.01	<0.01		
trans-Chlordane	ug/l	0	Screened for detection			<0.01	<0.01	<0.01				<0.01	<0.01	<0.01				<0.01	<0.01	<0.01		
Triadimefon	ug/l	0	Screened for detection			<0.01	<0.01	<0.01				<0.01	<0.01	<0.01				<0.01	<0.01	<0.01		
Triallate	ug/l	0.25	EQS AA (Tentative - DETR 1998)			0.0394	0.0335	0.0412				0.0365	0.0789	0.0562				0.0591	0.0351	0.0554		
Trifluralin	ug/l	0	Screened for detection			<0.01	<0.01	<0.01				<0.01	<0.01	<0.01				<0.01	<0.01	<0.01		
Organophosphorus Pesticides																						
Benazolin	ug/l	0	Screened for detection	<0.1	<0.1				<0.2	<0.1	<0.1				<0.2	<0.1	<0.1				<0.1	<0.1
Bentazone	ug/l	0	Screened for detection	<0.1	<0.1				<0.2	<0.1	<0.1				<0.2	<0.1	<0.1				<0.1	<0.1
Bromoxynil	ug/l	0	Screened for detection	<0.1	<0.1				<0.2	<0.1	<0.1				<0.2	<0.1	<0.1				<0.1	<0.1
Clopyralid	ug/l	0	Screened for detection	<0.1	<0.1				<0.2	<0.1	<0.1				<0.2	<0.1	<0.1				<0.1	<0.1
4 - CPA	ug/l	0	Screened for detection	<0.1	<0.1				<0.2	<0.1	<0.1				<0.2	<0.1	<0.1				<0.1	<0.1
2,4 - D	ug/l	0	Screened for detection	<0.1	<0.1				<0.2	<0.1	<0.1				<0.2	<0.1	<0.1				<0.1	<0.1
2,4 - DB	ug/l	0	Screened for detection	<0.1	<0.1				<0.2	<0.1	<0.1				<0.2	<0.1	<0.1				<0.1	<0.1
Dicamba	ug/l	0	Screened for detection	<0.1	<0.1				<0.2	<0.1	<0.1				<0.2	<0.1	<0.1				<0.1	<0.1
Dichloroprop	ug/l	0	Screened for detection	<0.1	<0.1				<0.2	<0.1	<0.1				<0.2	<0.1	<0.1				<0.1	<0.1
Diclofop	ug/l	0	Screened for detection	<0.1	<0.1				<0.2	<0.1	<0.1				<0.2	<0.1	<0.1				<0.1	<0.1
Fenoprop	ug/l	0	Screened for detection	<0.1	<0.1				<0.2	<0.1	<0.1				<0.2	<0.1	<0.1				<0.1	<0.1
Flamprop	ug/l	0	Screened for detection	<0.1	<0.1				<0.2	<0.1	<0.1				<0.2	<0.1	<0.1				<0.1	<0.1
Flamprop – isopropyl	ug/l	0	Screened for detection	<0.1	<0.1				<0.2	<0.1	<0.1				<0.2	<0.1	<0.1				<0.1	<0.1
Ioxynil	ug/l	0	Screened for detection	<0.1	<0.1				<0.2	<0.1	<0.1				<0.2	<0.1	<0.1				<0.1	<0.1
MCPA	ug/l	0	Screened for detection	<0.1	<0.1				<0.2	<0.1	<0.1				<0.2	<0.1	<0.1				<0.1	<0.1
MCPB	ug/l	0	Screened for detection	<0.1	<0.1				<0.2	<0.1	<0.1				<0.2	<0.1	<0.1				<0.1	<0.1
Mecoprop	ug/l	0	Screened for detection	<0.1	<0.1				<0.2	<0.1	<0.1				<0.2	<0.1	<0.1				<0.1	<0.1
Picloram	ug/l	0	Screened for detection	<0.1	<0.1				<0.2	<0.1	<0.1				<0.2	<0.1	<0.1				<0.1	<0.1
Pentachlorophenol	ug/l	0	Screened for detection	<0.1	<0.1				<0.2	<0.1	<0.1				<0.2	<0.1	<0.1				<0.1	<0.1
2,4,5 - T	ug/l	0	Screened for detection	<0.1	<0.1				<0.2	<0.1	<0.1				<0.2	<0.1	<0.1				<0.1	<0.1
2,3,6 - TBA	ug/l	0	Screened for detection	<0.1	<0.1				<0.2	<0.1	<0.1				<0.2	<0.1	<0.1				<0.1	<0.1
Triclopyr	ug/l	0	Screened for detection	<0.1	<0.1				<0.2	<0.1	<0.1				<0.2	<0.1	<0.1				<0.1	<0.1
PCBs:																						
PCB 28	ug/l	0	Screened for detection	<0.1	<0.1	<0.015	<0.015	<0.015	<0.1	<0.1	<0.1	<0.015	<0.075	<0.015	<0.1	<0.1	<0.1	<0.015	<0.015	<0.015	<0.1	<0.1
PCB 52	ug/l	0	Screened for detection	<0.1	<0.1	<0.015	<0.015	<0.015	<0.1	<0.1	<0.1	<0.015	<0.075	<0.015	<0.1	<0.1	<0.1	<0.015	<0.015	<0.015	<0.1	<0.1
PCB 101	ug/l	0	Screened for detection	<0.1	<0.1	<0.015	<0.015	<0.015	<0.1	<0.1	<0.1	<0.015	<0.075	<0.015	<0.1	<0.1	<0.1	<0.015	<0.015	<0.015	<0.1	<0.1
PCB 105	µg/l	0	Screened for detection			<0.015	<0.015	<0.015				<0.015	<0.075	<0.015				<0.015	<0.015	<0.015		
PCB 114	µg/l	0	Screened for detection			<0.015	<0.015	<0.015				<0.015	<0.075	<0.015				<0.015	<0.015	<0.015		
PCB 118	ug/l	0	Screened for detection	<0.1	<0.1	<0.015	<0.015	<0.015	<0.1	<0.1	<0.1	<0.015	<0.075	<0.015	<0.1	<0.1	<0.1	<0.015	<0.015	<0.015	<0.1	<0.1
PCB 123	µg/l	0	Screened for detection			<0.015	<0.015	<0.015				<0.015	<0.075	<0.015				<0.015	<0.015	<0.015		
PCB 126	µg/l	0	Screened for detection			<0.015	<0.015	<0.015				<0.015	<0.075	<0.015				<0.015	<0.015	<0.015		
PCB 138	ug/l	0	Screened for detection	<0.1	<0.1	<0.015	<0.015	<0.015	<0.1	<0.1	<0.1	<0.015	<0.075	<0.015	<0.1	<0.1	<0.1	<0.015	<0.015	<0.015	<0.1	<0.1
PCB 153	ug/l	0	Screened for detection	<0.1	<0.1	<0.015	<0.015	<0.015	<0.1	<0.1	<0.1	<0.015	<0.075	<0.015	<0.1	<0.1	<0.1	<0.015	<0.015	<0.015	<0.1	<0.1
PCB 156	µg/l	0	Screened for detection			<0.015	<0.015	<0.015				<0.015	<0.075	<0.015				<0.015	<0.015	<0.015		
PCB 157	µg/l	0	Screened for detection			<0.015	<0.015	<0.015				<0.015	<0.075	<0.015				<0.015	<0.015	<0.015		
PCB 167	µg/l	0	Screened for detection			<0.015	<0.015	<0.015				<0.015	<0.075	<0.015				<0.015	<0.015	<0.015		
PCB 169	µg/l	0	Screened for detection			<0.015	<0.015	<0.015				<0.015	<0.075	<0.015				<0.015	<0.015	<0.015		
PCB 180	ug/l	0	Screened for detection	<0.1	<0.1	<0.015	<0.015	<0.015	<0.1	<0.1	<0.1	<0.015	<0.075	<0.015	<0.1	<0.1	<0.1	<0.015	<0.015	<0.015	<0.1	<0.1
PCB 189	µg/l	0	Screened for detection			<0.015	<0.015	<0.015				<0.015	<0.075	<0.015				<0.015	<0.015	<0.015		
PCB congener 77	µg/l	0	Screened for detection			<0.015	<0.015	<0.015				<0.015	<0.075	<0.015				<0.015	<0.015	<0.015		
PCB congener 81	µg/l	0	Screened for detection			<0.015	<0.015	<0.015				<0.015	<0.075	<0.015				<0.015	<0.015	<0.015		

			Sample ID	SW311	SW311	SW311	SW311	SW311	SW305	SW305	SW305	SW305	SW305	SW305	SW306	SW306	SW306	SW306	SW306	SW306	SW307	SW307
			Sampled Date	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017	01/06/2017	08/06/2017
			Sampled feature	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Stream	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain
			Adj Feature	S side of A423	S side of A423	S side of A423	S side of A423	S side of A423	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	Old Abingdon Rd (N of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	adj. Redbridge recycling centre (E of KRE landfill)	S side of railway (S of KRE landfill)	S side of railway (S of KRE landfill)
Total 7 PCBs	ug/l	0	Screened for detection	<0.7	<0.7				<0.7	<0.7	<0.7				<0.7	<0.7	<0.7				<0.7	<0.7
Sum of detected EC7 PCB's		0	Screened for detection			<0.105	<0.105	<0.105				<0.105	<0.525	<0.105				<0.105	<0.105	<0.105		

			Sample ID	SW307	SW307	SW307	SW310	SW310	SW310	SW310	SW310	SW310
			Sampled Date	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017
			Sampled feature	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain
			Adj Feature	S side of railway (S of KRE landfill)	S side of railway (S of KRE landfill)	S side of railway (S of KRE landfill)	S side of A423	S side of A423	S side of A423	S side of A423	S side of A423	S side of A423
Test	**Units**	**Initial Screen-ing Value**	**Source of Screening Value**									
pH[1]	pH units	6.5-8.5	EQS	8.04	7.81	8.25	NA	NA	NA	8.14	7.87	8.31
Total Alkalinity as CaCO3	mg/l		Indicator only	220	245	235	NA	NA	NA	215	245	240
Dissolved Organic Carbon	mg/l		Indicator only	6.47	4.57	5	NA	NA		3.67	4.99	4.73
Chloride	mg/l	250	UK DWS	41.9	-	116	NA	NA	NA	38.2	-	78.8
Nitrate as NO3	mg/l	50	UK DWS	25.6	25.6	23.6	NA	NA	NA	25.9	26	25.6
Sulphate	mg/l	250	UK DWS	61.8	62.6	66.2	NA	NA	NA	59.1	61.2	61.9
Ortho Phosphate as PO4 #	mg/l	0.06	Previous EQS AA	0.436	0.247	0.313	NA	NA	NA	0.46	0.319	0.344
Ammoniacal Nitrogen as N #	mg/l	0.6	EQS for rivers	<0.2	<0.2	<0.2	NA	NA	NA	<0.2	<0.2	<0.2
Metals												
Dissolved Arsenic #	ug/l	50	EQS AA	1.49	1.55	0.684	NA	NA	NA	0.972	1.35	0.677
Dissolved Boron	ug/l	1000	UK DWS	47.2	47.4	37.9	NA	NA	NA	42.1	44	41.8
Dissolved Cadmium #	ug/l	0.25	EQS AA (Hard water)	<0.08	-	<0.08	NA	NA	NA	<0.08	-	<0.08
Total Dissolved Chromium #	ug/l	3.4	EQS AA for Cr VI	<1	-	<1	NA	NA	NA	<1	-	<1
Hexavalent Chromium	mg/l	3.4	EQS AA for Cr VI	<0.03	-	<0.03	NA	NA	NA	0.0468	-	<0.03
Dissolved Copper #	ug/l	1	Min. EQS AA (Bioavailable)	1.3	-	0.98	NA	NA	NA	1.23	-	0.912
Dissolved Lead #	ug/l	1.2	Min. EQS AA (Bioavailable)	<0.2	1.19	<0.2	NA	NA	NA	<0.2	<0.2	<0.2
Dissolved Nickel #	ug/l	4	Min. EQS AA (Bioavailable)	1.61	1.51	<0.4	NA	NA	NA	1.26	1.23	<0.4
Dissolved Zinc #	ug/l	10.9	Min. EQS AA (Bioavailable)	7.9	8.86	4.16	NA	NA	NA	3.65	4.73	6.01
Mercury Dissolved by CVAF		0.07	EQS MAC	<0.01	<0.01	<0.01	NA	NA	NA	<0.01	<0.01	<0.01
Dissolved Mercury #	ug/l	0.07	EQS MAC	<0.01	<0.01	<0.01	NA	NA	NA	<0.01	<0.01	<0.01
Dissolved Calcium #	mg/l		n/a - indicator parameter	106	106	116	NA	NA	NA	105	122	119
Dissolved Magnesium #	mg/l		n/a - indicator parameter	5.03	5.06	5.94	NA	NA	NA	4.99	4.98	5.4
Dissolved Sodium #	mg/l		n/a - indicator parameter	27.6	24.1	66.5	NA	NA	NA	26.5	24.5	45.8
PAH MS												
Acenaphthylene #	ug/l	0	Screened for detection	<0.005	<0.005	<0.005	NA	NA	NA	<0.005	<0.005	<0.005
Anthracene #	ug/l	0.1	EQS AA	0.013	<0.005	<0.005	NA	NA	NA	0.006	<0.005	<0.005
Benzo(a)anthracene #	ug/l	0	Screened for detection	0.041	<0.005	<0.005	NA	NA	NA	0.023	0.023	0.008
Benzo(a)pyrene #	ug/l	0.00017	EQS AA	0.036	<0.162	<0.002	NA	NA	NA	0.020	0.012	0.011
Benzo(b)fluoranthene	ug/l	0.017	EQS MAC	0.054	<0.229	<0.005	NA	NA	NA	0.024	0.023	0.015
Benzo(ghi)perylene #	ug/l	0.0082	EQS MAC	0.053	<0.175	<0.005	NA	NA	NA	0.008	0.016	0.016
Benzo(k)fluoranthene	ug/l	0.017	EQS MAC	0.045	<0.232	<0.005	NA	NA	NA	0.025	0.011	0.011
Chrysene #	ug/l	0	Screened for detection	0.051	<0.005	0.008	NA	NA	NA	0.024	0.020	0.011
Dibenzo(ah)anthracene #	ug/l	0	Screened for detection	0.040	<0.0678	<0.005	NA	NA	NA	<0.005	<0.005	<0.005
Fluoranthene #	ug/l	0.0063	EQS AA	0.052	<0.005	0.015	NA	NA	NA	0.029	0.025	0.016
Fluorene #	ug/l	0	Screened for detection	0.008	<0.005	<0.005	NA	NA	NA	<0.005	<0.005	<0.005
Indeno(123cd)pyrene #	ug/l	0	Screened for detection	0.044	<0.0612	<0.005	NA	NA	NA	0.027	0.008	0.009
Naphthalene #	ug/l	2	EQS AA	<0.01	<0.01	0.011	NA	NA	NA	0.024	<0.01	0.011
Phenanthrene #	ug/l	0	Screened for detection	0.037	0.006	<0.005	NA	NA	NA	0.019	0.012	0.009
Pyrene #	ug/l	0	Screened for detection	0.053	<0.005	0.012	NA	NA	NA	0.030	0.024	0.014
PAH 16 Total #	ug/l		n/a -sum of above	0.527	<0.082	<0.082	NA	NA	NA	0.256	0.173	0.131
PAH, Total Detected USEPA 16 (aq)	µg/l		n/a -sum of above	0.527	<0.082	<0.082				0.256	0.173	0.131
Benzo(bk)fluoranthene #	ug/l	0	Screened for detection				NA	NA	NA			
Acenaphthene #	ug/l	0	Screened for detection	<0.005	<0.005	<0.005	NA	NA	NA	<0.005	<0.005	<0.005
TPH CWG												
Aliphatics												

				Sample ID	SW307	SW307	SW307	SW310	SW310	SW310	SW310	SW310	SW310
				Sampled Date	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017
				Sampled feature	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain
				Adj Feature	S side of railway (S of KRE landfill)	S side of railway (S of KRE landfill)	S side of railway (S of KRE landfill)	S side of A423	S side of A423	S side of A423	S side of A423	S side of A423	S side of A423
>C5-C6 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10
>C6-C8 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10
>C8-C10 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10
>C10-C12 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<5	<5	<5	<10	<10	<10
>C12-C16 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10
>C16-C21 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10
>C21-C35 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total aliphatics C5-35 #	ug/l	10	EQS AA for Benzene				<10	<10	<10			
Total Aliphatics >C12-C35 (aq)	ug/l	10	EQS AA for Benzene	<10	<10	<10				<10	<10	<10
Aromatics												
>C5-EC7 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10
>EC7-EC8 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10
>EC8-EC10 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10
>EC10-EC12 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<5	<5	<5	<10	<10	<10
>EC12-EC16 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10
>EC16-EC21 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10
>EC21-EC35 #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total Aromatics >EC12-EC35 (aq)	ug/l	10	EQS AA for Benzene	<10	<10	<10				<10	<10	<10
Total aromatics C5-35 #	ug/l	10	EQS AA for Benzene				<10	<10	<10			
Total aliphatics and aromatics(C5-35) #	ug/l	10	EQS AA for Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10
GRO (>C4-C8)	ug/l	10	EQS AA for Benzene				NA	NA	NA			
GRO (>C8-C12)	ug/l	10	EQS AA for Benzene				NA	NA	NA			
GRO (>C4-C12)	ug/l	10	EQS AA for Benzene				NA	NA	NA			
EPH (C8-C40)	ug/l	10	EQS AA for Benzene				NA	NA	NA			
Aliphatics >C16-C35 Aqueous	ug/l	10	EQS AA for Benzene	<10	<10	<10				<10	<10	<10
Mineral Oil (C8-C40)	ug/l	10	EQS AA for Benzene				NA	NA	NA			
GRO >C5-C12	ug/l	10	EQS AA for Benzene	<50	<50	<50				<50	<50	<50
BTEX/MTBE MS												
Methyl Tertiary Butyl Ether #	ug/l	10	EQS AA for Benzene	<3	<3	<3	<0.1	<0.1	<0.1	<3	<3	<3
Benzene #	ug/l	10	EQS AA for Benzene	<7	<7	<7	<0.5	<0.5	<0.5	<7	<7	<7
Toluene #	ug/l	10	EQS AA for Benzene	<4	<4	<4	<5	<5	<5	<4	<4	<4
Ethylbenzene #	ug/l	10	EQS AA for Benzene	<5	<5	<5	<1	<1	<1	<5	<5	<5
p/m-Xylene #	ug/l	10	EQS AA for Benzene	<8	<8	<8	<2	<2	<2	<8	<8	<8
o-Xylene #	ug/l	10	EQS AA for Benzene	<3	<3	<3	<1	<1	<1	<3	<3	<3
Sum of detected Xylenes	ug/l	10	EQS AA for Benzene	<11	<11	<11				<11	<11	<11
Sum of detected BTEX	ug/l	10	EQS AA for Benzene	<28	<28	<28				<28	<28	<28
MTBE #	ug/l	10	EQS AA for Benzene				NA	NA	NA			
Benzene #	ug/l	10	EQS AA for Benzene				NA	NA	NA			
Toluene #	ug/l	10	EQS AA for Benzene				NA	NA	NA			
Ethylbenzene #	ug/l	10	EQS AA for Benzene				NA	NA	NA			
m/p-Xylene #	ug/l	10	EQS AA for Benzene				NA	NA	NA			
o-Xylene #	ug/l	10	EQS AA for Benzene				NA	NA	NA			
VOC MS												
1,1,1,2-Tetrachloroethane #	ug/l	0	Screened for detection	<1	<1	<1	<2	<2	<2	<1	<1	<1
1,1,1-Trichloroethane #	ug/l	0	Screened for detection	<1	<1	<1	<2	<2	<2	<1	<1	<1
1,1,2,2-Tetrachloroethane	ug/l	0	Screened for detection	<1	<1	<1	<4	<4	<4	<1	<1	<1
1,1,2-Trichloroethane #	ug/l	0	Screened for detection	<1	<1	<1	<2	<2	<2	<1	<1	<1
1,1-Dichloroethane #	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1
1,1-Dichloroethene (1,1 DCE) #	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1
1,1-Dichloropropene #	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1
1,2,3-Trichlorobenzene	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1

			Sample ID	SW307	SW307	SW307	SW310	SW310	SW310	SW310	SW310	SW310
			Sampled Date	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017
			Sampled feature	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain
			Adj Feature	S side of railway (S of KRE landfill)	S side of railway (S of KRE landfill)	S side of railway (S of KRE landfill)	S side of A423	S side of A423	S side of A423	S side of A423	S side of A423	S side of A423
1,2,3-Trichloropropane #	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1
1,2,4-Trichlorobenzene	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1
1,2,4-Trimethylbenzene #	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1
1,2-Dibromo-3-chloropropane	ug/l	0	Screened for detection	<1	<1	<1	<2	<2	<2	<1	<1	<1
1,2-Dibromoethane #	ug/l	0	Screened for detection	<1	<1	<1	<2	<2	<2	<1	<1	<1
1,2-Dichlorobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1
1,2-Dichloroethane #	ug/l	0	Screened for detection	<1	<1	<1	<2	<2	<2	<1	<1	<1
1,2-Dichloropropane #	ug/l	0	Screened for detection	<1	<1	<1	<2	<2	<2	<1	<1	<1
1,3,5-Trichlorobenzene	µg/l	0	Screened for detection	<1	<1	<1				<1	<1	<1
1,3,5-Trimethylbenzene #	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1
1,3-Dichlorobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1
1,3-Dichloropropane #	ug/l	0	Screened for detection	<1	<1	<1	<2	<2	<2	<1	<1	<1
1,4-Dichlorobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1
2,2-Dichloropropane	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Chlorotoluene #	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1
4-Chlorotoluene #	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1
4-Isopropyltoluene #	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1
Benzene #	ug/l	0	Screened for detection	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1
Bromobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<2	<2	<2	<1	<1	<1
Bromochloromethane #	ug/l	0	Screened for detection	<1	<1	<1	<2	<2	<2	<1	<1	<1
Bromodichloromethane #	ug/l	0	Screened for detection	<1	<1	<1	<2	<2	<2	<1	<1	<1
Bromoform #	ug/l	0	Screened for detection	<1	<1	<1	<2	<2	<2	<1	<1	<1
Bromomethane	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon disulphide	µg/l	0	Screened for detection	<1	<1	<1				<1	<1	<1
Carbon tetrachloride #	ug/l	0	Screened for detection	<1	<1	<1	<2	<2	<2	<1	<1	<1
Chlorobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<2	<2	<2	<1	<1	<1
Chloroethane #	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1
Chloroform #	ug/l	0	Screened for detection	<1	<1	<1	<2	<2	<2	<1	<1	<1
Chloromethane #	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1
cis-1-2-Dichloroethene #	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1
cis-1-3-Dichloropropene	ug/l	0	Screened for detection	<1	<1	<1	<2	<2	<2	<1	<1	<1
Dibromochloromethane #	ug/l	0	Screened for detection	<1	<1	<1	<2	<2	<2	<1	<1	<1
Dibromomethane #	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1
Dichlorodifluoromethane	ug/l	0	Screened for detection	<1	<1	<1	<2	<2	<2	<1	<1	<1
Dichloromethane (DCM) #	ug/l	0	Screened for detection	<3	<3	<3	<5	<5	<5	<3	<3	<3
Ethylbenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1
Isopropylbenzene #	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1
Methyl Tertiary Butyl Ether #	ug/l	0	Screened for detection	<1	<1	<1	<0.1	<0.1	<0.1	<1	<1	<1
Naphthalene	ug/l	0	Screened for detection	<1	<1	<1	<2	<2	<2	<1	<1	<1
n-Butylbenzene #	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1
o-Xylene #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
p/m-Xylene #	ug/l	0	Screened for detection	<1	<1	<1	<2	<2	<2	<1	<1	<1
Propylbenzene #	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1
sec-Butylbenzene #	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1
Styrene	ug/l	0	Screened for detection	<1	<1	<1	<2	<2	<2	<1	<1	<1
tert-Amyl methyl ether (TAME)	µg/l	0	Screened for detection	<1	<1	<1				<1	<1	<1
tert-Butylbenzene #	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1
Tetrachloroethene (PCE) #	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1
Toluene #	ug/l	0	Screened for detection	<1	<1	<1	<5	<5	<5	<1	<1	<1
trans-1-2-Dichloroethene #	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1
trans-1-3-Dichloropropene	ug/l	0	Screened for detection	<1	<1	<1	<2	<2	<2	<1	<1	<1

			Sample ID	SW307	SW307	SW307	SW310	SW310	SW310	SW310	SW310	SW310
			Sampled Date	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017
			Sampled feature	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain
			Adj Feature	S side of railway (S of KRE landfill)	S side of railway (S of KRE landfill)	S side of railway (S of KRE landfill)	S side of A423	S side of A423	S side of A423	S side of A423	S side of A423	S side of A423
Trichloroethene (TCE) #	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1
Trichlorofluoromethane #	ug/l	0	Screened for detection	<1	<1	<1	<3	<3	<3	<1	<1	<1
Vinyl Chloride #	ug/l	0	Screened for detection	<1	<1	<1	<0.1	<0.1	<0.1	<1	<1	<1
Phenols												
Phenol	mg/l	0.0077	EQS AA	<0.002	<0.002	<0.002	NA	NA	NA	<0.002	<0.002	<0.002
Total Phenols HPLC	mg/l	0.0077	EQS AA				NA	NA	NA			
Phenols by MS												
2-Chlorophenol #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Methylphenol #	ug/l	0	Screened for detection	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1
2-Nitrophenol	ug/l	0	Screened for detection	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1
2,4-Dichlorophenol #	ug/l	0	Screened for detection	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1
2,4-Dimethylphenol	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,4,5-Trichlorophenol #	ug/l	0	Screened for detection	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1
2,4,6-Trichlorophenol	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chloro-3-methylphenol #	ug/l	0	Screened for detection	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1
4-Methylphenol	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Nitrophenol	ug/l	0	Screened for detection	<1	<1	<1	<10	<10	<10	<1	<1	<1
Pentachlorophenol	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
Phenol	ug/l	7.7	EQS AA	<1	<1	<1	<1	<1	<1	<1	<1	<1
PAHs by MS												
2-Chloronaphthalene #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Methylnaphthalene #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
Naphthalene #	ug/l	2	UK EQS AA	<0.01	<0.01	0.011	<1	<1	<1	0.024	<0.01	0.011
Acenaphthylene #	ug/l	0	Screened for detection	<0.005	<0.005	<0.005	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005
Acenaphthene #	ug/l	0	Screened for detection	<0.005	<0.005	<0.005	<1	<1	<1	<0.005	<0.005	<0.005
Fluorene #	ug/l	0	Screened for detection	0.008	<0.005	<0.005	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005
Phenanthrene #	ug/l	0	Screened for detection	0.037	0.006	<0.005	<0.5	<0.5	<0.5	0.019	0.012	0.009
Anthracene #	ug/l	0.1	EQS AA	0.013	<0.005	<0.005	<0.5	<0.5	<0.5	0.006	<0.005	<0.005
Fluoranthene #	ug/l	0.0063	EQS AA	0.052	<0.005	0.015	<0.5	<0.5	<0.5	0.029	0.025	0.016
Pyrene #	ug/l	0	Screened for detection	0.053	<0.005	0.012	<0.5	<0.5	<0.5	0.030	0.024	0.014
Benzo(a)anthracene #	ug/l	0	Screened for detection	0.041	<0.005	<0.005	<0.5	<0.5	<0.5	0.023	0.023	0.008
Chrysene #	ug/l	0	Screened for detection	0.051	<0.005	0.008	<0.5	<0.5	<0.5	0.024	0.020	0.011
Benzo(bk)fluoranthene #	ug/l	0	Screened for detection				<1	<1	<1			
Benzo(a)pyrene	ug/l	0.00017	EQS AA	0.036	<0.162	<0.002	<1	<1	<1	0.020	0.012	0.011
Indeno(123cd)pyrene	ug/l	0	Screened for detection	0.044	<0.0612	<0.005	<1	<1	<1	0.027	0.008	0.009
Dibenzo(ah)anthracene #	ug/l	0	Screened for detection	0.040	<0.0678	<0.005	<0.5	<0.5	<0.5	<0.005	<0.005	<0.005
Benzo(ghi)perylene #	ug/l	0.0082	EQS MAC	0.053	<0.175	<0.005	<0.5	<0.5	<0.5	0.008	0.016	0.016
Benzo(b)fluoranthene (aq)	µg/l	0.017	EQS MAC	<1	<1	<0.005				<1	<1	0.015
Benzo(k)fluoranthene (aq)	µg/l	0.017	EQS MAC	<1	<1	<0.005				<1	<1	0.011
Phthalates												
Bis(2-ethylhexyl) phthalate	ug/l	0	Screened for detection	<2	<2	<2	<5	<5	<5	<2	<2	<2
Butylbenzyl phthalate	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
Di-n-butyl phthalate #	ug/l	0	Screened for detection	<1	<1	<1	<1.5	<1.5	<1.5	<1	<1	<1
Di-n-Octyl phthalate	ug/l	0	Screened for detection	<5	<5	<5	<1	<1	<1	<5	<5	<5
Diethyl phthalate #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dimethyl phthalate	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
Other SVOCs												
1,2-Dichlorobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1

			Sample ID	SW307	SW307	SW307	SW310	SW310	SW310	SW310	SW310	SW310
			Sampled Date	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017
			Sampled feature	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain
			Adj Feature	S side of railway (S of KRE landfill)	S side of railway (S of KRE landfill)	S side of railway (S of KRE landfill)	S side of A423	S side of A423	S side of A423	S side of A423	S side of A423	S side of A423
1,3-Dichlorobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Nitroaniline	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
2,4-Dinitrotoluene #	ug/l	0	Screened for detection	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1
2,6-Dinitrotoluene	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
3-Nitroaniline	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Bromophenylphenylether #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chloroaniline	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Chlorophenylphenylether #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Nitroaniline	ug/l	0	Screened for detection	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1
Azobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1
Bis(2-chloroethoxy)methane #	ug/l	0	Screened for detection	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1
Bis(2-chloroethyl)ether #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbazole #	ug/l	0	Screened for detection	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1
Dibenzofuran #	ug/l	0	Screened for detection	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1
Hexachlorobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorocyclopentadiene	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
Hexachloroethane #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
Isophorone #	ug/l	0	Screened for detection	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1
N-nitrosodi-n-propylamine #	ug/l	0	Screened for detection	<1	<1	<1	<0.5	<0.5	<0.5	<1	<1	<1
Nitrobenzene #	ug/l	0	Screened for detection	<1	<1	<1	<1	<1	<1	<1	<1	<1
Pesticides												
Organochlorine Pesticides												
Aldrin	ug/l	0	Screened for detection	<0.01	<0.01	<0.02				<0.01	<0.01	<0.02
Alpha-HCH (BHC)	ug/l	0	Screened for detection	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01
Beta-HCH (BHC)	ug/l	0	Screened for detection	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01
Chlorothalonil	ug/l	0	Screened for detection	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01
cis-Chlordane	ug/l	0	Screened for detection	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01
Delta-HCH (BHC)	ug/l	0	Screened for detection	<0.01	<0.01	<0.06				<0.01	<0.01	<0.06
Dieldrin	ug/l	0	Screened for detection	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01
Disulfoton	ug/l	0	Screened for detection	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01
Endosulphan I	ug/l	0	Screened for detection	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01
Endosulphan II	ug/l	0	Screened for detection	<0.02	<0.02	<0.02				<0.02	<0.02	<0.02
Endosulphan sulphate	ug/l	0	Screened for detection	<0.02	<0.02	<0.08				<0.02	<0.02	<0.08
Endrin	ug/l	0	Screened for detection	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01
Gamma-HCH (BHC)	ug/l	0	Screened for detection	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01
Heptachlor	ug/l	0	Screened for detection	<0.01	<0.01	<0.02				<0.01	<0.01	<0.02
Heptachlor Epoxide	ug/l	0	Screened for detection	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01
Hexachlorobenzene	ug/l	0	Screened for detection	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01
Isodrin	ug/l	0	Screened for detection	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01
o,p'-DDE	ug/l	0	Screened for detection	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01
o,p'-DDT	ug/l	0	Screened for detection	<0.01	<0.01	<0.02				<0.01	<0.01	<0.02
o,p'-Methoxychlor	ug/l	0	Screened for detection	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01
o,p'-TDE	ug/l	0	Screened for detection	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01
p,p'-DDE	ug/l	0	Screened for detection	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01
p,p'-DDT	ug/l	0	Screened for detection	<0.01	<0.01	<0.02				<0.01	<0.01	<0.02
p,p'-Methoxychlor	ug/l	0	Screened for detection	<0.01	<0.01	<0.02				<0.01	<0.01	<0.02
p,p'-TDE	ug/l	0	Screened for detection	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01
Pendimethalin	ug/l	0	Screened for detection	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01
Permethrin I	ug/l	0	Screened for detection	<0.01	<0.01	<0.02				<0.01	<0.01	<0.02

			Sample ID	SW307	SW307	SW307	SW310	SW310	SW310	SW310	SW310	SW310
			Sampled Date	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017
			Sampled feature	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain
			Adj Feature	S side of railway (S of KRE landfill)	S side of railway (S of KRE landfill)	S side of railway (S of KRE landfill)	S side of A423	S side of A423	S side of A423	S side of A423	S side of A423	S side of A423
Permethrin II	ug/l	0	Screened for detection	<0.01	<0.01	<0.02				<0.01	<0.01	<0.02
Quintozene (PCNB)	ug/l	0	Screened for detection	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01
Tecnazene	ug/l	0	Screened for detection	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01
Telodrin	ug/l	0	Screened for detection	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01
trans-Chlordane	ug/l	0	Screened for detection	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01
Triadimefon	ug/l	0	Screened for detection	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01
Triallate	ug/l	0.25	EQS AA (Tentative - DETR 1998)	0.0604	0.0346	0.0254				0.037	0.0416	0.0446
Trifluralin	ug/l	0	Screened for detection	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01
Organophosphorus Pesticides												
Benazolin	ug/l	0	Screened for detection				<0.2	<0.1	<0.1			
Bentazone	ug/l	0	Screened for detection				<0.2	<0.1	<0.1			
Bromoxynil	ug/l	0	Screened for detection				<0.2	<0.1	<0.1			
Clopyralid	ug/l	0	Screened for detection				<0.2	<0.1	<0.1			
4 - CPA	ug/l	0	Screened for detection				<0.2	<0.1	<0.1			
2,4 - D	ug/l	0	Screened for detection				<0.2	<0.1	<0.1			
2,4 - DB	ug/l	0	Screened for detection				<0.2	<0.1	<0.1			
Dicamba	ug/l	0	Screened for detection				<0.2	<0.1	<0.1			
Dichloroprop	ug/l	0	Screened for detection				<0.2	<0.1	<0.1			
Diclofop	ug/l	0	Screened for detection				<0.2	<0.1	<0.1			
Fenoprop	ug/l	0	Screened for detection				<0.2	<0.1	<0.1			
Flamprop	ug/l	0	Screened for detection				<0.2	<0.1	<0.1			
Flamprop – isopropyl	ug/l	0	Screened for detection				<0.2	<0.1	<0.1			
Ioxynil	ug/l	0	Screened for detection				<0.2	<0.1	<0.1			
MCPA	ug/l	0	Screened for detection				<0.2	<0.1	<0.1			
MCPB	ug/l	0	Screened for detection				<0.2	<0.1	<0.1			
Mecoprop	ug/l	0	Screened for detection				<0.2	<0.1	<0.1			
Picloram	ug/l	0	Screened for detection				<0.2	<0.1	<0.1			
Pentachlorophenol	ug/l	0	Screened for detection				<0.2	<0.1	<0.1			
2,4,5 - T	ug/l	0	Screened for detection				<0.2	<0.1	<0.1			
2,3,6 - TBA	ug/l	0	Screened for detection				<0.2	<0.1	<0.1			
Triclopyr	ug/l	0	Screened for detection				<0.2	<0.1	<0.1			
PCBs:												
PCB 28	ug/l	0	Screened for detection	<0.015	<0.015	<0.015	<0.1	<0.1	<0.1	<0.015	<0.015	<0.015
PCB 52	ug/l	0	Screened for detection	<0.015	<0.015	<0.015	<0.1	<0.1	<0.1	<0.015	<0.015	<0.015
PCB 101	ug/l	0	Screened for detection	<0.015	<0.015	<0.015	<0.1	<0.1	<0.1	<0.015	<0.015	<0.015
PCB 105	µg/l	0	Screened for detection	<0.015	<0.015	<0.015				<0.015	<0.015	<0.015
PCB 114	µg/l	0	Screened for detection	<0.015	<0.015	<0.015				<0.015	<0.015	<0.015
PCB 118	ug/l	0	Screened for detection	<0.015	<0.015	<0.015	<0.1	<0.1	<0.1	<0.015	<0.015	<0.015
PCB 123	µg/l	0	Screened for detection	<0.015	<0.015	<0.015				<0.015	<0.015	<0.015
PCB 126	µg/l	0	Screened for detection	<0.015	<0.015	<0.015				<0.015	<0.015	<0.015
PCB 138	ug/l	0	Screened for detection	<0.015	<0.015	<0.015	<0.1	<0.1	<0.1	<0.015	<0.015	<0.015
PCB 153	ug/l	0	Screened for detection	<0.015	<0.015	<0.015	<0.1	<0.1	<0.1	<0.015	<0.015	<0.015
PCB 156	µg/l	0	Screened for detection	<0.015	<0.015	<0.015				<0.015	<0.015	<0.015
PCB 157	µg/l	0	Screened for detection	<0.015	<0.015	<0.015				<0.015	<0.015	<0.015
PCB 167	µg/l	0	Screened for detection	<0.015	<0.015	<0.015				<0.015	<0.015	<0.015
PCB 169	µg/l	0	Screened for detection	<0.015	<0.015	<0.015				<0.015	<0.015	<0.015
PCB 180	ug/l	0	Screened for detection	<0.015	<0.015	<0.015	<0.1	<0.1	<0.1	<0.015	<0.015	<0.015
PCB 189	µg/l	0	Screened for detection	<0.015	<0.015	<0.015				<0.015	<0.015	<0.015
PCB congener 77	µg/l	0	Screened for detection	<0.015	<0.015	<0.015				<0.015	<0.015	<0.015
PCB congener 81	µg/l	0	Screened for detection	<0.015	<0.015	<0.015				<0.015	<0.015	<0.015

			Sample ID	SW307	SW307	SW307	SW310	SW310	SW310	SW310	SW310	SW310
			Sampled Date	30/11/2017	05/12/2017	13/12/2017	18/05/2017	01/06/2017	08/06/2017	30/11/2017	05/12/2017	13/12/2017
			Sampled feature	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain	Hinksey Drain
			Adj Feature	S side of railway (S of KRE landfill)	S side of railway (S of KRE landfill)	S side of railway (S of KRE landfill)	S side of A423	S side of A423	S side of A423	S side of A423	S side of A423	S side of A423
Total 7 PCBs	ug/l	0	Screened for detection				<0.7	<0.7	<0.7			
Sum of detected EC7 PCB's		0	Screened for detection	<0.105	<0.105	<0.105				<0.105	<0.105	<0.105

Appendix E
Exploratory Hole Location Plans

2017 Ground Investigation
- Borehole
- Soil tensionmeter
- Trial pit
- Window sample hole
- CPT
- Hand auger
- Plate load test
- CBR test
- Surface water sample

2016 Ground Investigation
- Borehole
- Hand auger

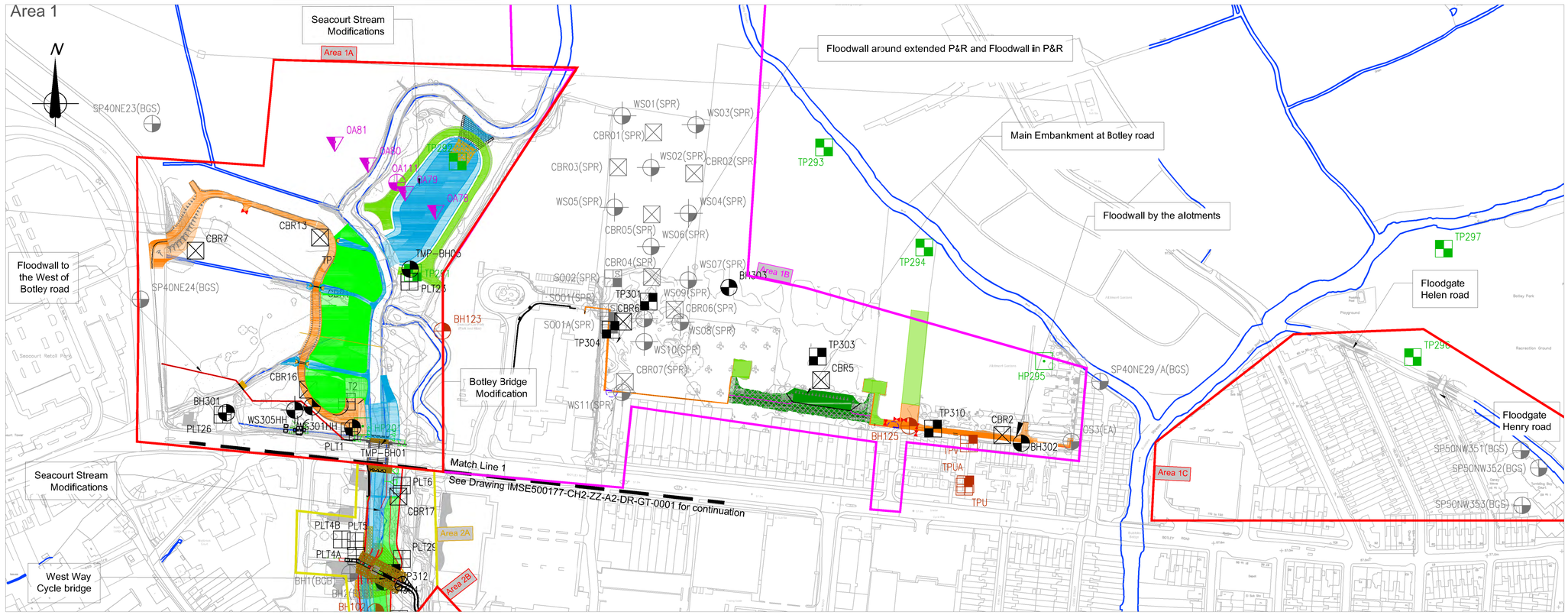
2015 Ground Investgation
- Borehole
- Trial pit
- Window sample hole
- Hand auger
- Hand pit
- Plate load test
- Soakaway test
- Surface water sample

2011 Ground Investgation
- Trial pit
- Window sample hole

2008 Ground Investigation
- Borehole
- Trial pit
- Window sample hole

Other Ground Investigations
- Borehole
- Trial pit
- Window sample hole
- CPT
- Soakaway test
- CBR test

Exploratory hole names adopted for 'Other Investigation' legend category		
Ground Investigation	Exploratory Hole name post-fx	Example hole name
Botley Cycle Bridge	(BCB)	BH1(BCB)
BGS holes	(BGS)	SP40NE59(BGS)
EA monitoring holes	(EA)	SCH5(EA)
Old Abingdon Road	(OAR)	BH3(OAR), BH1(OAR-1998)
Network Rail	(NR)	BH1(NR)
Southern Bypass	(SBP)	55(SBP)
Seacourt Park Ride	(SPR)	BH1(SPR)



PLAN

SCALE 1:2000 AT A1, ':4000 AT A3

0 50 100 200

SCALE 1:2,000 (A1)
SCALE 1:4,000 (A3)
METRES

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IMSE500177-CH2-ZZ-A1-DR-GT-0001.dwg

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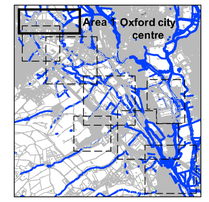

Notes:

1. -

Legend

- Existing Watercourses
- New / Modified First-Stage Channel
- New Secord-Stage Channel
- New Flow Control Structure
- Permanent hardstanding area for maintenance vehicles
- New permanent gravel access track for mainterance
- Riffles
- Wetland Features (Scrapes, Backwaters)
- Existing trees
- Trees to be removed
- Bays + berms (channel)

S2-FIT FOR INFORMATION

Rev	By	Chkd	Apprvd	Date	Description
P04	JRV	JDM	PJM	08/05/18	SCHEME LAYOUT UPDATED
P03	JRV	JDM	PJM	16/01/18	GI INFORMATION UPDATED
P02	JRV	JDM	PJM	22/11/17	SCHEME LAYOUT UPDATED
P01	JRV	JDM	PJM	16/11/17	FOR INFORMATION

Client: Environment Agency

Burderop Park
Swindon
SN4 0QD
Tel: +44 (0) 1793 812 479
Fax: +44 (0) 1793 812 089
www.ch2mhill.com

Project: WEM LOT 3 - OXFORD FLOOD ALLEVIATION SCHEME DETAILED DESIGN 684232

Drawing: GROUND INVESTIGATION EXPLORATORY HOLE LOCATIONS AREA 1

Drawn by: JRV	Date: 16/11/17
Checked by: JDM	Date: 16/11/17
Approved by: PJM	Date: 16/11/17
Drawing No. IMSE500177-CH2-ZZ-A1-DR-GT-0001	Revision P04

Document Suitability: S2

Drawing file path & name : C:\pw_work\dfinton002\pcznaksawsheyl\dms44057\IMSE500177-CH2-ZZ-A1-DR-GT-0001.dwg Layout:Layout1
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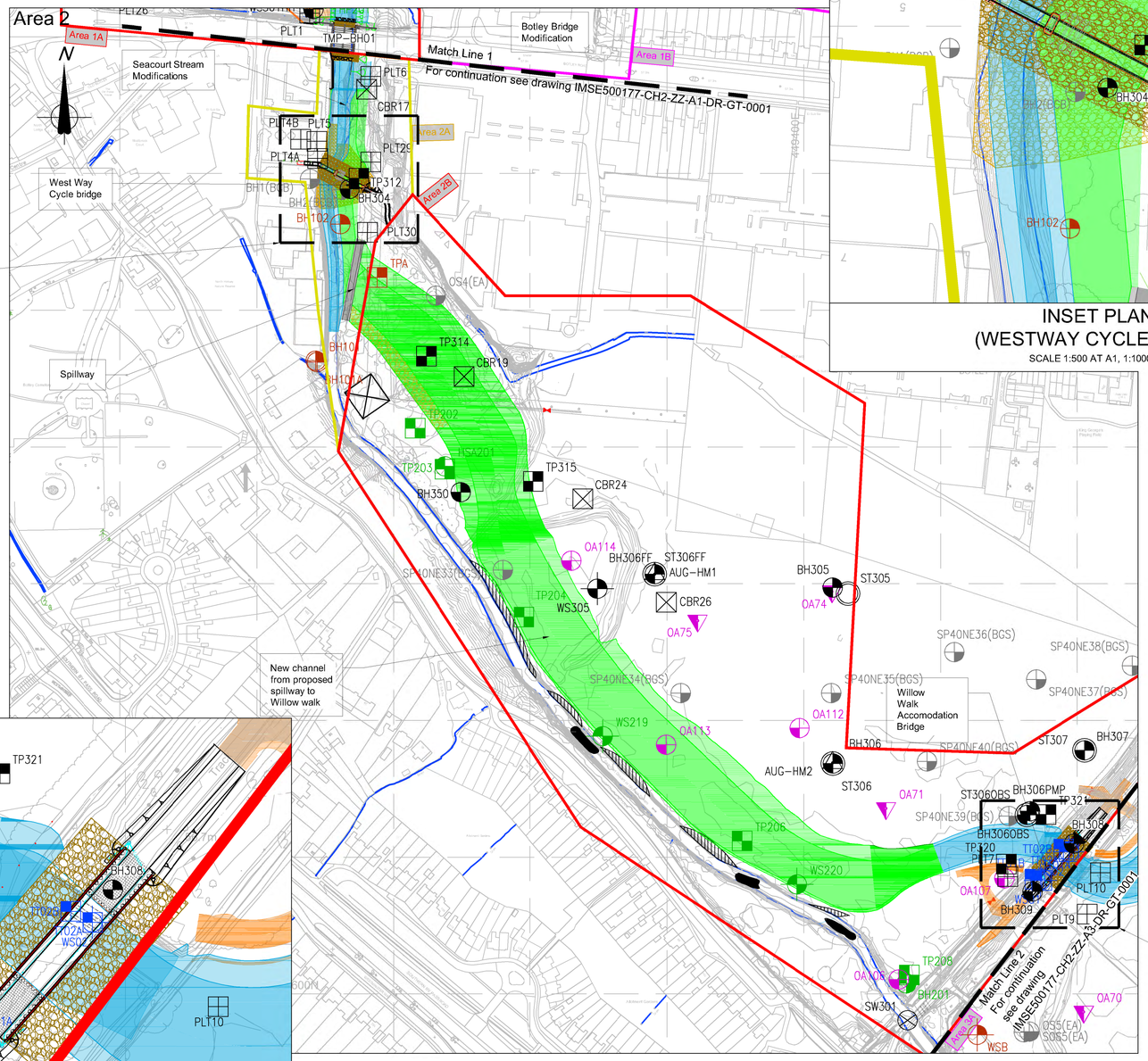
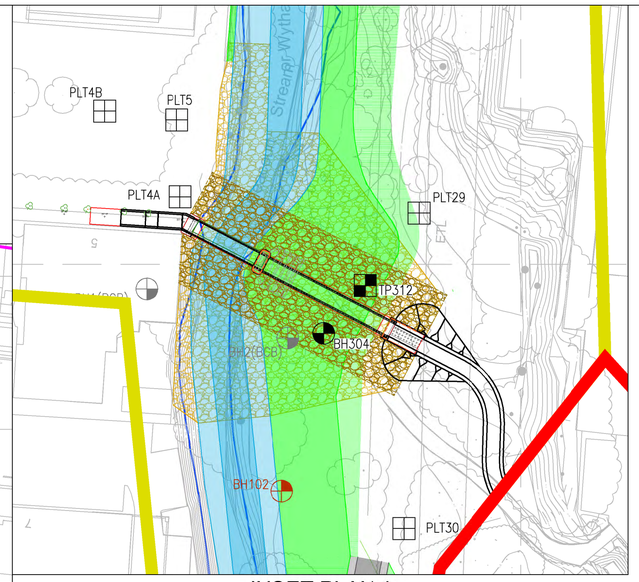


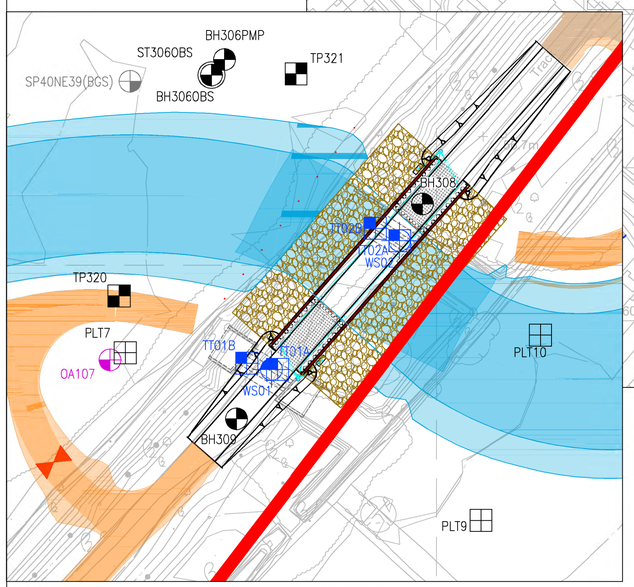
PLAN

SCALE 1:2000 AT A1, 1:4000 AT A3



INSET PLAN 1
(WESTWAY CYCLE BRIDGE)

SCALE 1:500 AT A1, 1:1000 AT A3



INSET PLAN 2
(WILLOW WALK ACCOMMODATION BRIDGE)

SCALE 1:503 AT A1, 1:1000 AT A3

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2017 Ground Investigation
- Borehole
- Soil tensiometer
- Trial pit
- Window sample hole
- CPT
- Hand auger
- Plate load test
- CBR test
- Surface water sample

2016 Ground Investigation
- Borehole
- Hand auger

2015 Ground Investigation
- Borehole
- Trial pit
- Window sample hole
- Hand auger
- Hand pit
- Plate load test
- Soakaway test
- Surface water sample

2011 Ground Investigation
- Trial pit
- Window sample hole

2008 Ground Investigation
- Borehole
- Trial pit
- Window sample hole

Other Ground Investigations
- Borehole
- Trial pit
- Window sample hole
- CPT
- Soakaway test
- CBR test

Exploratory hole rames adopted for 'Other Investgation' legend category

Ground Investigation	Exploratory Hole name post-fix	Example hoe name
Botley Cycle Bridge	(BCB)	BH1(BCB)
BGS holes	(BGS)	SP40NE59(BGS)
EA mcnitoring holes	(EA)	SCH5(EA)
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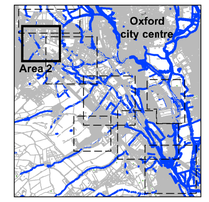
Network Rail	(NR)	BH1(NR)
Southern Bypass	(SBP)	55(SBP)
Seacourt Park Ride	(SPR)	BH1(SPR)

0 10 20 30 40 50
SCALE 1:500 (A1)
SCALE 1:1,000 (A3)
METRES

0 50 100 200
SCALE 1:2,000 (A1)
SCALE 1:4,000 (A3)
METRES

Key Plan:



Notes:

1. -

Legend

- Existing Watercourses
- New / Modified First-Stage Channel
- New Secord-Stage Channel
- New Flow Control Structure
- Permament hardstanding area for maintenance vehicles
- New permanent gravel access track for mainterance
- Riffles
- Wetland Features (Scrapes, Backwaters)
- Existing trees
- Trees to be removed
- Bays + berms (channel)

S2-FIT FOR INFORMATION

Rev	By	Chkd	Apprvd	Date	Description
P04	JRV	JDM	PJM	08/05/18	SCHEME LAYOUT UPDATED
P03	JRV	JDM	PJM	16/01/18	GI INFORMATION UPDATED
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Client: Environment Agency

Burderop Park
Swindon
SN4 0QD
Tel: +44 (0) 1793 812 479
Fax: +44 (0) 1793 812 089
www.ch2mhill.com

Project: WEM LOT 3 - OXFORD FLOOD ALLEVIATION SCHEME DETAILED DESIGN
684232

Drawing: GROUND INVESTIGATION EXPLORATORY HOLE LOCATIONS AREA 2

Drawn by: JRV Date: 16/11/17
Checked by: JDM Date: 16/11/17
Approved by: PJM Date: 16/11/17

Drawing No.: IMSE500177-CH2-ZZ-A2-DR-GT-0001
Revision: P04

Document Suitability: S2

Drawing file path & name : C:\pw_workdir\ch2m2\rjvczymskavsa\wyl\dms44057\IMSE500177-CH2-ZZ-A2-DR-GT-0001.dwg Layout: Layout1
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IMSE500177-CH2-ZZ-A2-DR-GT-0001.dwg

Area 3 North

See Inset Plan 2 (Willow Walk Accommodation Bridge) on Drawing IMSE500177-CH2-ZZ-A2-DR-GT-0001

Match Line 2 For continuation see drawing IMSE500177-CH2-ZZ-A2-DR-GT-0001

New channel between Willow walk and North Hinksey Causeway

Willow Walk Accomodation Bridge

Area 2B

Area 3D

Area 3B

Area 3A

Bifurcation from Hinksey Stream

See Inset Plan (North Hinksey Causeway Footbridge)

Bulstake Stream control structure

New Footbridge at North Hinksey Causeway

Low flow control structure

New footbridge crossing

Ford crossing 1

Match Line 3 For continuation see drawing IMSE500177-CH2-ZZ-A3-DR-GT-0002

NORTH HINKSEY VILLAGE

BH305 ST305 OA74 SP40NE36(BGS) SP40NE38(BGS) SP40NE35(BGS) SP40NE37(BGS) OA112 BH306 SP40NE40(BGS) ST307 BH307 AUG-HM2 ST306 OA71 ST3060BS BH306PMP TP321 BH308 BH3060BS TP320 PLT7 TP322 PLT10 OA107 BH309 PLT9 TP206 WS220 OA69 TP208 OA106 BH201 SW301 OA70 CBR37 OS5(EA) SO55(EA) WSB SW302 PLT31 PLT35 PLT32 OA68 OS1(EA) SP40NE39(BGS) BH365-FH FOS8(EA) TP383-FH BH366-FH TP384-FH 3D-DWL-02 0+000 0+020 0+039 BH310 PLT14 AUG-C01 AUG-C02 OA12 TP385-FH SW313-FH TP386-FH BH368-FH OS6(EA) PLT11 BH311A PLT13 BH311 TP323 TP324 PLT33 OA11 OA10 OA9 OA108 OA7 OA8 OA6 OA109 OA5 OA4 OA3 OA110 OA2 OA1 TP209 TP210 TP316 OA25 OA26 CBR44 OA24 OA23 OA22 OA21 OA20 OA19 PLT34 TMP-BH04 TMP-BH05 CBR48 WS311 SP50NW6(BGS) TP326 TP327 BH351 OA17 OA18 OA16 OA15 OA14 TP211 BH103 HSA202 TP213 SP40NE74(BGS) HSA203 OA39 OA38 OA37 OA36 OA35 OA34 OA33 OA32 OA31 OA30 OA29 OA28 OA27 TP330 TP214 TP289 BH312 BH-UC1 BH-UC2 AUG-UC1 AUG-UC2 AUG-UC3 CBR52 HSA205 CBR54 OA52 OA104B OA51 OA50 OA49 OA104A OA48 OA47 OA46 TP343 TP317 HSA204 TP216 SH3(EA) DSH3(EA) HSA206 CBR57 WS313 WS306 OS9(EA)

COC.A3A.01 LAT.A3A.01 CXB.A3A.01 OA67 OS1(EA) BH367-FH AUG-C01 AUG-C02 BH310 TP322 PLT11 PLT14 BH311A PLT13 BH311 TP323 TP324 PLT33 OA12 OA11 OA10 OA9 BH310A OA12 OA11

INSET PLAN
(NORTH HINKSEY CAUSEWAY FOOTBRIDGE)
SCALE 1:1100 AT A1, 1:2000 AT A3

PLAN
SCALE 1:2000 AT A1, 1:4000 AT A3

0 10 20 30 40 50 60 70 80 90 100 METRES
SCALE 1:1,000 (A1)
SCALE 1:2,000 (A3)

0 50 100 200 METRES
SCALE 1:2,000 (A1)
SCALE 1:4,000 (A3)

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2017 Ground Investigation
- Borehole
- Soil tensiometer
- Trial pit
- Window sample hole
- CPT
- Hand auger
- Plate load test
- CBR test
- Surface water sample

2016 Ground Investigation
- Borehole
- Hand auger

2015 Ground Investigation
- Borehole
- Trial pit
- Window sample hole
- Hand auger
- Hand pit
- Plate load test
- Soakaway test
- Surface water sample

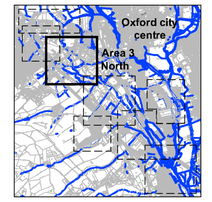
2011 Ground Investigation
- Trial pit
- Window sample hole

2008 Ground Investigation
- Borehole
- Trial pit
- Window sample hole

Other Ground Investigations
- Borehole
- Trial pit
- Window sample hole
- CPT
- Soakaway test
- CBR test

Exploratory hole names adopted for 'Other Investigation' legend category		
Ground Investigation	Exploratory Hole name post-fix	Example hole name
Botley Cycle Bridge	(BCB)	BH1(BCB)
BGS holes	(BGS)	SP40NE59(BGS)
EA monitoring holes	(EA)	SCH5(EA)
Old Abingdon Road	(OAR)	BH3(OAR), BH1(OAR-1998)
Network Rail	(NR)	BH1(NR)
Southern Bypass	(SBP)	55(SBP)
Seacourt Park Ride	(SPR)	BH1(SPR)

Key Plan:



Notes:

1. -

Legend

- Existing Watercourses
- New / Modified First-Stage Channel
- New Second-Stage Channel
- New Flow Control Structure
- Permanent hardstanding area for maintenance vehicles
- New permanent gravel access track for maintenance
- Riffles
- Wetland Features (Scrapes, Backwaters)
- Existing trees
- Trees to be removed
- Bays + berms (channel)

S2-FIT FOR INFORMATION

Rev	By	Chkd	Apprvd	Date	Description
P04	JRV	JDM	PJM	08/05/18	SCHEME LAYOUT UPDATED
P03	JRV	JDM	PJM	16/01/18	GI INFORMATION UPDATED
P02	JRV	JDM	PJM	22/11/17	SCHEME LAYOUT UPDATED
P01	JRV	JDM	PJM	16/11/17	FOR INFORMATION

Client: Environment Agency

Burderop Park
Swindon
SN4 0QD
Tel: +44 (0) 1793 812 479
Fax: +44 (0) 1793 812 089
www.ch2mhill.com

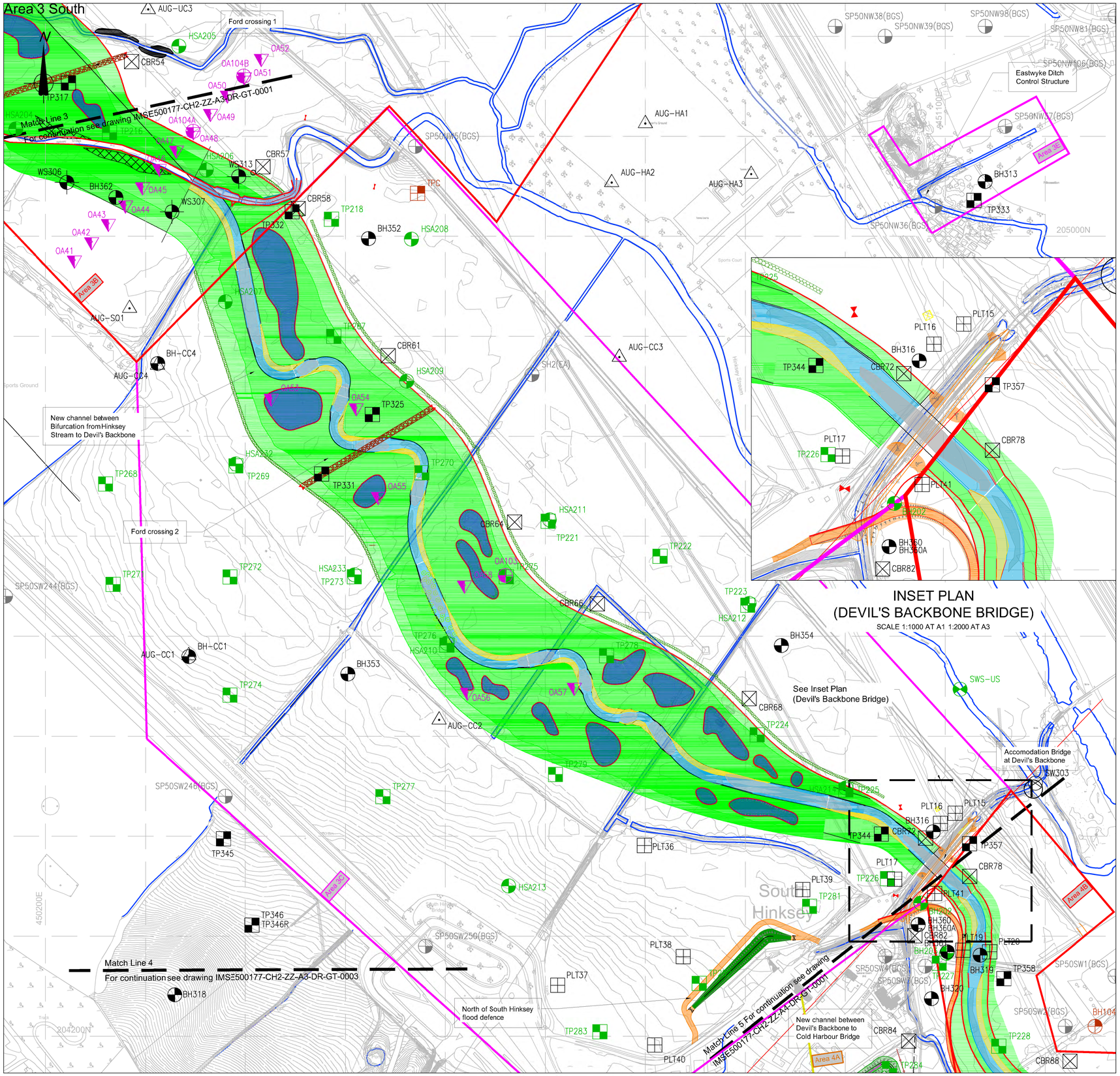
Project: WEM LOT 3 - OXFORD FLOOD ALLEVIATION SCHEME DETAILED DESIGN 684232

Drawing: GROUND INVESTIGATION EXPLORATORY HOLE LOCATIONS AREA 3 NORTH

Drawn by: JRV	Date: 16/11/17
Checked by: JDM	Date: 16/11/17
Approved by: PJM	Date: 16/11/17
Drawing No. IMSE500177-CH2-ZZ-A3-DR-GT-0001	Revision P04
Document Suitability: S2	

Drawing file path & name: C:\pw_work\dirlon\d02\cbyczymskowa\lyer\dms4405*IMSE500177-CH2-ZZ-A3-DR-GT-0001.dwg Layout: Layout1
User and Plot Date: Kyczymska-Kabiyer, Joanna 06, 2018 - 4:03:38 pm Plot Style Table: C:\Program Files\Autodesk\AutoCAD 2009\Plot Styles\colour A3.ctb

IMSE500177-CH2-ZZ-A3-DR-GT-0001.dwg



PLAN
SCALE 1:2000 AT A1, 1:4000 AT A3

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2017 Ground Investigation
- Borehole
- Soil tensiometer
- Trial pit
- Window sample hole
- CPT
- Hand auger
- Plate load test
- CBR test
- Surface water sample

2016 Ground Investigation
- Borehole
- Hand auger

2015 Ground Investigation
- Borehole
- Trial pit
- Window sample hole
- Hand auger
- Hand pit
- Plate load test
- Soakaway test
- Surface water sample

2011 Ground Investigation
- Trial pit
- Window sample hole

2008 Ground Investigation
- Borehole
- Trial pit
- Window sample hole

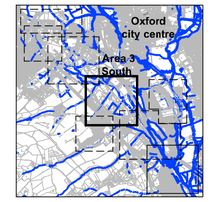
Other Ground Investigations
- Borehole
- Trial pit
- Window sample hole
- CPT
- Soakaway test
- CBR test

Exploratory hole names adopted for 'Other Investigation' legend category		
Ground Investigation	Exploratory Hole name post-fix	Example hole name
Botley Cycle Bridge	(BCB)	BH1(BCB)
BGS holes	(BGS)	SP40NE59(BGS)
EA monitoring holes	(EA)	SCH5(EA)
Old Abingdon Road	(OAR)	BH3(OAR), BH1(OAR-1998)
Network Rail	(NR)	BH1(NR)
Southern Bypass	(SBP)	55(SBP)
Seacourt Park Ride	(SPR)	BH1(SPR)

0 10 20 30 40 50 60 70 80 90 100
SCALE 1:1,000 (A1)
SCALE 1:2,000 (A3)
METRES

0 50 100 200
SCALE 1:2,000 (A1)
SCALE 1:4,000 (A3)
METRES

Key Plan:



Notes:

1. -

Legend

- Existing Watercourses
- New / Modified First-Stage Channel
- New Secord-Stage Channel
- New Flow Control Structure
- Permament hardstanding area for maintenance vehicles
- New permanent gravel access track for mainterance
- Riffles
- Wetland Features (Scrapes, Backwaters)
- Existing trees
- Trees to be removed
- Bays + berms (channel)

S2-FIT FOR INFORMATION

Rev	By	Chkd	Apprvd	Date	Description
P04	JRV	JDM	PJM	08/05/18	SCHEME LAYOUT UPDATED
P03	JRV	JDM	PJM	16/01/18	GI INFORMATION UPDATED
P02	JRV	JDM	PJM	22/11/17	SCHEME LAYOUT UPDATED
P01	JRV	JDM	PJM	16/11/17	FOR INFORMATION

Client
Environment Agency

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Tel: +44 (0) 1793 812 479
Fax: +44 (0) 1793 812 089
www.ch2mhill.com

Project
WEM LOT 3 - OXFORD FLOOD ALLEVIATION SCHEME DETAILED DESIGN
684232

Drawing
GROUND INVESTIGATION EXPLORATORY HOLE LOCATIONS AREA 3 SOUTH

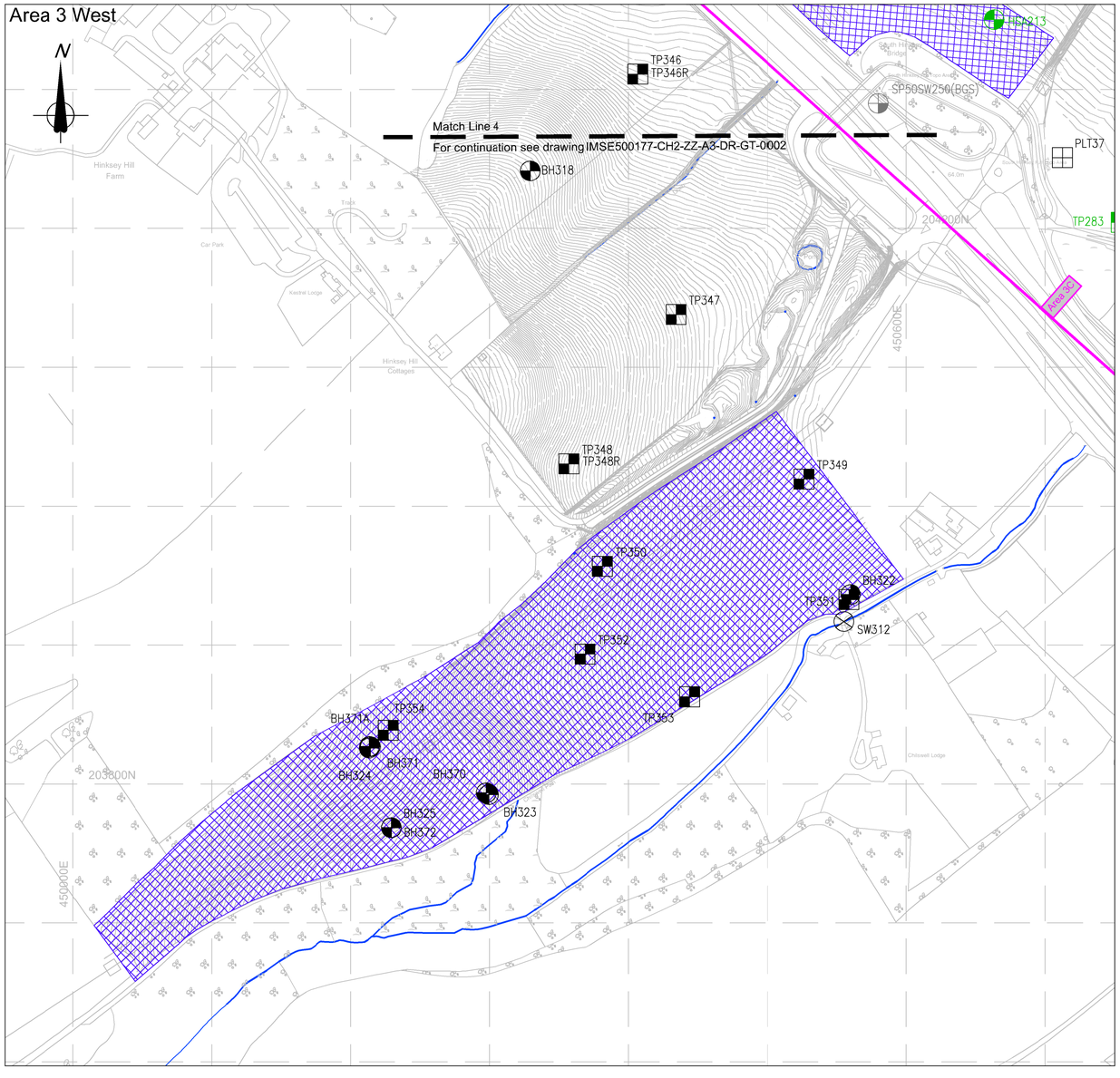
Drawn by: JRV Date: 16/11/17
Checked by: JDM Date: 16/11/17
Approved by: PJM Date: 16/11/17

Drawing No. IMSE500177-CH2-ZZ-A3-DR-GT-0002
Revision P04

Document Suitability: S2

Drawing file path & name : C:\pw_work\dirlon002\y0cyzskawaslyvn\dms44405\IMSE500177-CH2-ZZ-A3-DR-GT-0002.dwg Layout: Layout1
User and Plot Date : Kyczynska Wasilyvn, Joasna,UKS - May 08, 2018 4:08:36 pm Plot Style Table: C:\Program Files\Adsk\CAD 2008\Plot Styles\colour A3.ctb

IMSE500177-CH2-ZZ-A3-DR-GT-0002.dwg



PLAN

SCALE 1:2000 AT A1, 14000 AT A3

2017 Ground Investigation
- Borehole
- Soil tensiometer
- Trial pit
- Window sample hole
- CPT
- Hand auger
- Plate load test
- CBR test
- Surface water sample

2016 Ground Investigation
- Borehole
- Hand auger

2015 Ground Investigation
- Borehole
- Trial pit
- Window sample hole
- Hand auger
- Hand pit
- Plate load test
- Soakaway test
- Surface water sample

2011 Ground Investigation
- Trial pit
- Window sample hole

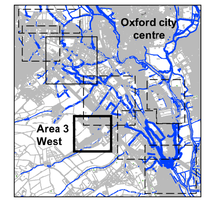
2008 Ground Investigation
- Borehole
- Trial pit
- Window sample hole

Other Ground Investigations
- Borehole
- Trial pit
- Window sample hole
- CPT
- Soakaway test
- CBR test

Exploratory hole rames adopted for 'Other Investgation' legend category		
Ground Investigation	Exploratory Hole name post-fix	Example hole name
Botley Cycle Bridge	(BCB)	BH1(BCB)
BGS holes	(BGS)	SP40NE59(BGS)
EA monitoring holes	(EA)	SCH5(EA)
Old Abingdon Road	(OAR)	BH3(OAR), BH1(OAR-1998)
Network Rail	(NR)	BH1(NR)
Southern Bypass	(SBP)	55(SBP)
Seacourt Park Ride	(SPR)	BH1(SPR)

0 50 100 200
SCALE 1:2,000 (A1)
SCALE 1:4,000 (A3)
METRES

Key Plan:



Notes:

1. -

Legend

- Existing Watercourses
- New / Modified First-Stage Channel
- New Second-Stage Channel
- New Flow Control Structure
- Permament hardstanding area for maintenance vehicles
- New permanent gravel access track for mainterance
- Riffles
- Wetland Features (Scrapes, Backwaters)
- Existing trees
- Trees to be removed
- Bays + berms (channel)
- Area of land raise

S2-FIT FOR INFORMATION

Rev	By	Chkd	Apprvd	Date	Description
P04	JRV	JDM	PJM	08/05/18	SCHEME LAYOUT UPDATED
P03	JRV	JDM	PJM	16/01/18	GI INFORMATION UPDATED
P02	JRV	JDM	PJM	22/11/17	SCHEME LAYOUT UPDATED
P01	JRV	JDM	PJM	16/11/17	FOR INFORMATION

Client

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www.ch2mhill.com

Project

WEM LOT 3 - OXFORD FLOOD ALLEVIATION SCHEME DETAILED DESIGN
684232

Drawing

GROUND INVESTIGATION EXPLORATORY HOLE LOCATIONS AREA 3 WEST

Drawn by: JRV	Date: 16/11/17
Checked by: JDM	Date: 16/11/17
Approved by: PJM	Date: 16/11/17
Drawing No. IMSE500177-CH2-ZZ-A3-DR-GT-0003	Revision P04

Document Suitability: S2

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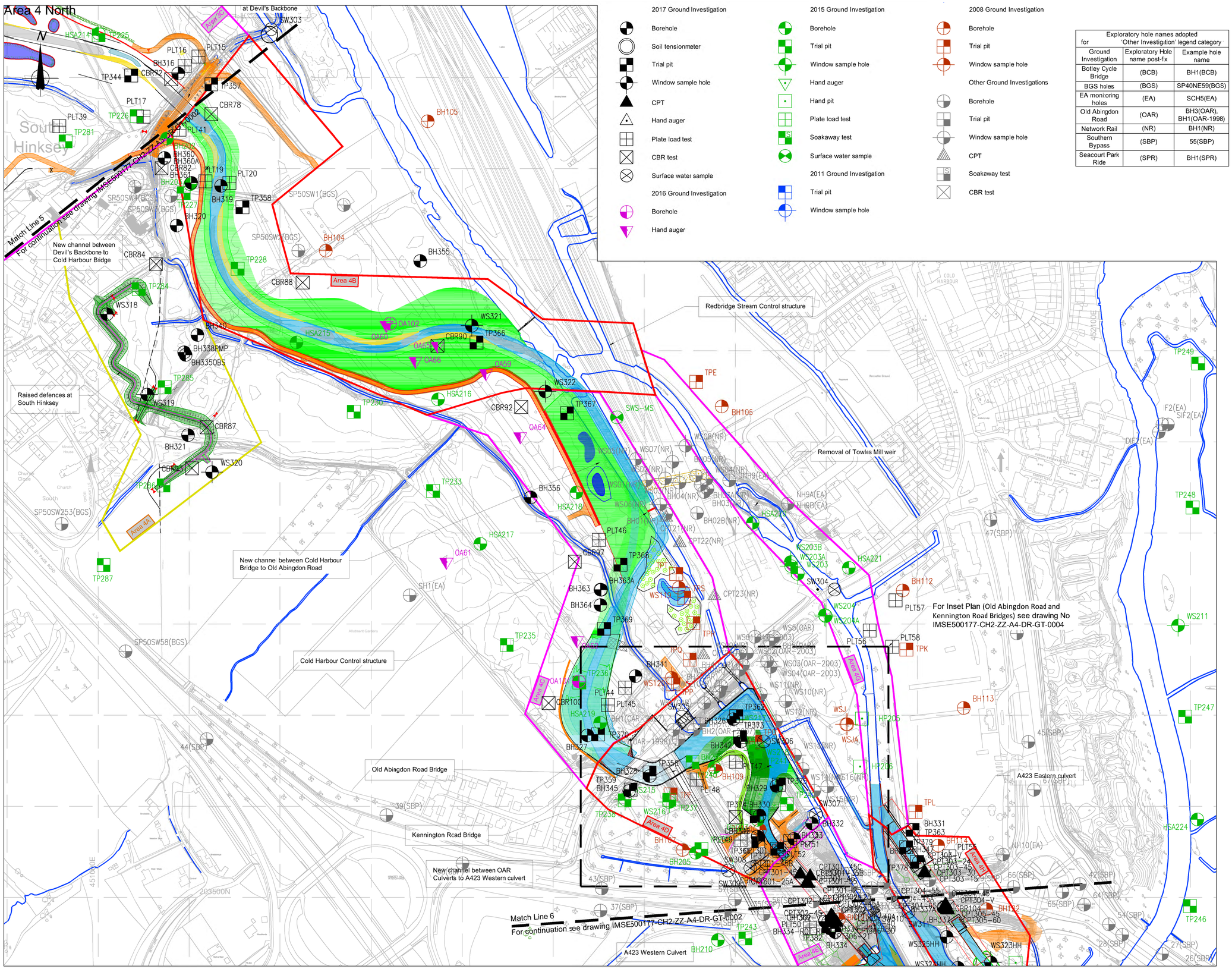
User and Plot Date : Rybczynska-Vasilyev, Justyna\UKS : May 09, 2018 4:12:08 pm Plot Style Table: C:\Program Files\AutoCAD 2000\Plot Styles\colour A3.ctb

IMSE500177-CH2-ZZ-A3-DR-GT-0003.dwg



2017 Ground Investigation
- Borehole
- Soil tensionmeter
- Trial pit
- Window sample hole
- CPT
- Hand auger
- Plate load test
- CBR test
- Surface water sample

2016 Ground Investigation
- Borehole
- Hand auger

2015 Ground Investigation
- Borehole
- Trial pit
- Window sample hole
- Hand auger
- Hand pit
- Plate load test
- Soakaway test
- Surface water sample

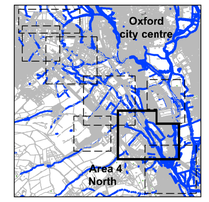
2011 Ground Investigation
- Trial pit
- Window sample hole

2008 Ground Investigation
- Borehole
- Trial pit
- Window sample hole

Other Ground Investigations
- Borehole
- Trial pit
- Window sample hole
- CPT
- Soakaway test
- CBR test

Exploratory hole names adopted for 'Other Investigation' legend category		
Ground Investigation	Exploratory Hole name post-fix	Example hole name
Botley Cycle Bridge	(BCB)	BH1(BCB)
BGS holes	(BGS)	SP40NE59(BGS)
EA monitoring holes	(EA)	SCH5(EA)
Old Abingdon Road	(OAR)	BH3(OAR), BH1(OAR-1998)
Network Rail	(NR)	BH1(NR)
Southern Bypass	(SBP)	55(SBP)
Seacourt Park Ride	(SPR)	BH1(SPR)

Key Plan:



Notes:

1. -

Legend

- Existing Watercourses
- New / Modified First-Stage Channel
- New Second-Stage Channel
- New Flow Control Structure
- Permanent hardstanding area for maintenance vehicles
- New permanent gravel access track for mainterance
- Riffles
- Wetland Features (Scrapes, Backwaters)
- Existing trees
- Trees to be removed
- Bays + berms (channel)

S2-FIT FOR INFORMATION

Rev	By	Chkd	Apprvd	Date	Description
P04	JRV	JDM	PJM	08/05/18	SCHEME LAYOUT UPDATED
P03	JRV	JDM	PJM	16/01/18	GI INFORMATION UPDATED
P02	JRV	JDM	PJM	22/11/17	SCHEME LAYOUT UPDATED
P01	JRV	JDM	PJM	16/11/17	FOR INFORMATION

Client

Environment Agency

Burderop Park
Swindon
SN4 0QD

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Fax: +44 (0) 1793 812 089
www.ch2mhill.com

Project

WEM LOT 3 - OXFORD FLOOD ALLEVIATION SCHEME DETAILED DESIGN
684232

Drawing

GROUND INVESTIGATION EXPLORATORY HOLE LOCATIONS AREA 4 NORTH

Drawn by: JRV	Date: 16/11/17
Checked by: JDM	Date: 16/11/17
Approved by: PJM	Date: 16/11/17
Drawing No. IMSE500177-CH2-ZZ-A4-DR-GT-0001	Revision P04

Document Suitability: S2

0 50 100 200
SCALE 1:2,000 (A1)
SCALE 1:4,000 (A3)
METRES

PLAN

SCALE 1:2000 AT A1, 1:4000 AT A3

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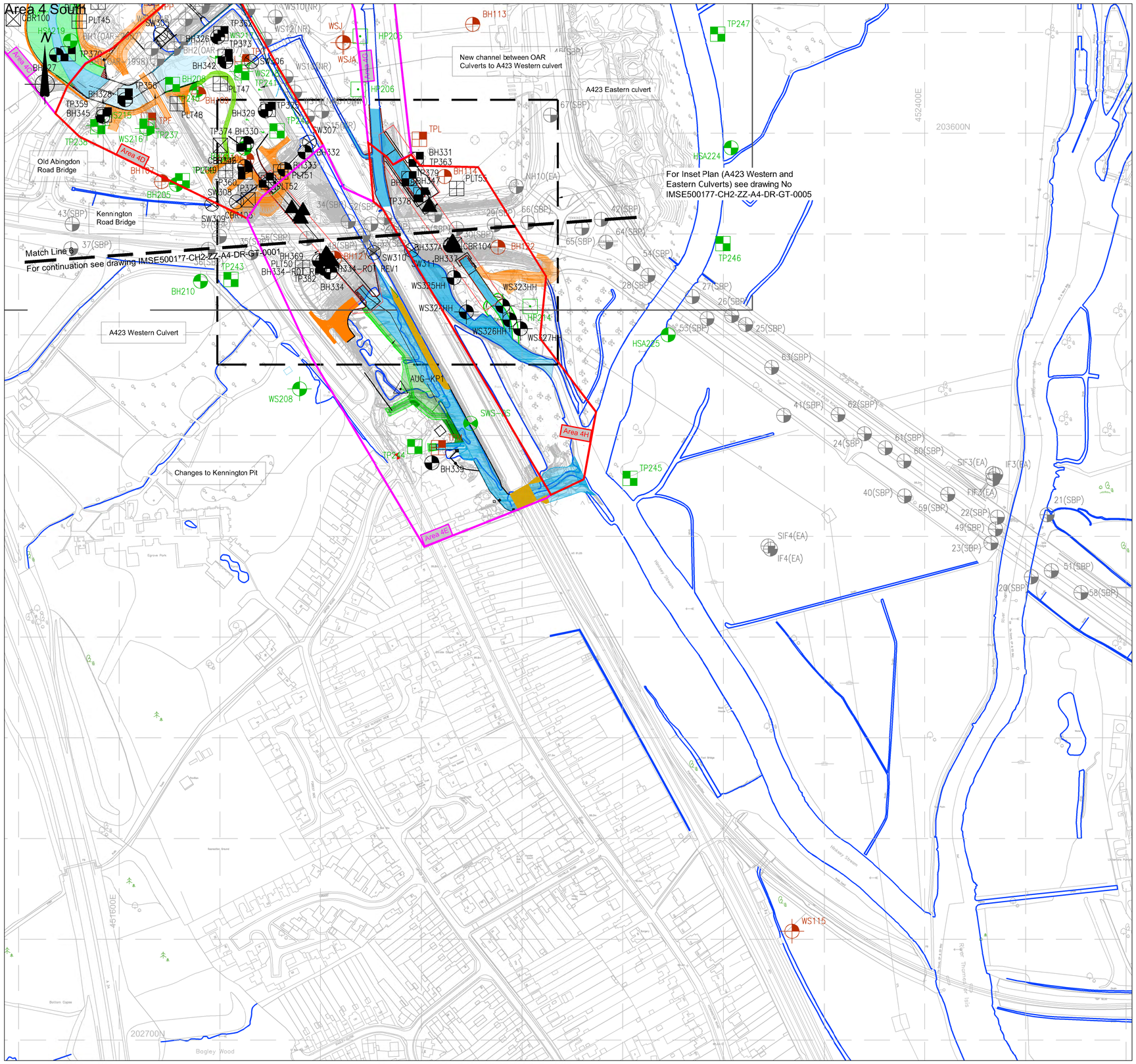
Drawing file path & name : C:\pw_workdir\ion002\rybczynskavasilyev\dms44057\IMSE500177-CH2-ZZ-A4-DR-GT-0001.dwg Layout: Layout1
User and Plot Date : Rybczynska-Vasilyev, Justyna/UKS : May 09, 2018 3:57:20 pm Plot Style Table: C:\Program Files\AutoCAD 2000\Plot Styles\colour A3.ctb

IMSE500177-CH2-ZZ-A4-DR-GT-0001.dwg



PLAN

SCALE 1:2000 AT A1, 1:4000 AT A3

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2017 Ground Investigation
- Borehole
- Soil tensiometer
- Trial pit
- Window sample hole
- CPT
- Hand auger
- Plate load test
- CBR test
- Surface water sample

2016 Ground Investigation
- Borehole
- Hand auger

2015 Ground Investigation
- Borehole
- Trial pit
- Window sample hole
- Hand auger
- Hand pit
- Plate load test
- Soakaway test
- Surface water sample

2011 Ground Investigation
- Trial pit
- Window sample hole

2008 Ground Investigation
- Borehole
- Trial pit
- Window sample hole

Other Ground Investigations
- Borehole
- Trial pit
- Window sample hole
- CPT
- Soakaway test
- CBR test

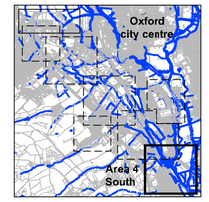
Exploratory hole names adopted for 'Other Investigation' legend category		
Ground Investigation	Exploratory Hole name post-fix	Example hole name
Botley Cycle Bridge	(BCB)	BH1(BCB)
BGS holes	(BGS)	SP40NE59(BGS)
EA monitoring holes	(EA)	SCH5(EA)
Old Abingdon Road	(OAR)	BH3(OAR), BH1(OAR-1998)
Network Rail	(NR)	BH1(NR)
Southern Bypass	(SBP)	55(SBP)
Seacourt Park Ride	(SPR)	BH1(SPR)

0 50 100 200

SCALE 1:2,000 (A1)
SCALE 1:4,000 (A3)

METRES

Key Plan:



Notes:

1. WYG to confirm CBR104 was carried out.

Legend

- Existing Watercourses
- New / Modified First-Stage Channel
- New Second-Stage Channel
- New Flow Control Structure
- Permanent hardstanding area for maintenance vehicles
- New permanent gravel access track for maintenance
- Riffles
- Wetland Features (Scrapes, Backwaters)
- Existing trees
- Trees to be removed
- Bays + berms (channel)

S2-FIT FOR INFORMATION

Rev	By	Chkd	Apprvd	Date	Description
P04	JRV	JDM	PJM	08/05/18	SCHEME LAYOUT UPDATED
P03	JRV	JDM	PJM	16/01/18	GI INFORMATION UPDATED
P02	JRV	JDM	PJM	22/11/17	SCHEME LAYOUT UPDATED
P01	JRV	JDM	PJM	16/11/17	FOR INFORMATION

Client

Environment Agency

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Swindon
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Project

WEM LOT 3 - OXFORD FLOOD ALLEVIATION SCHEME DETAILED DESIGN
684232

Drawing

GROUND INVESTIGATION EXPLORATORY HOLE LOCATIONS AREA 4 SOUTH

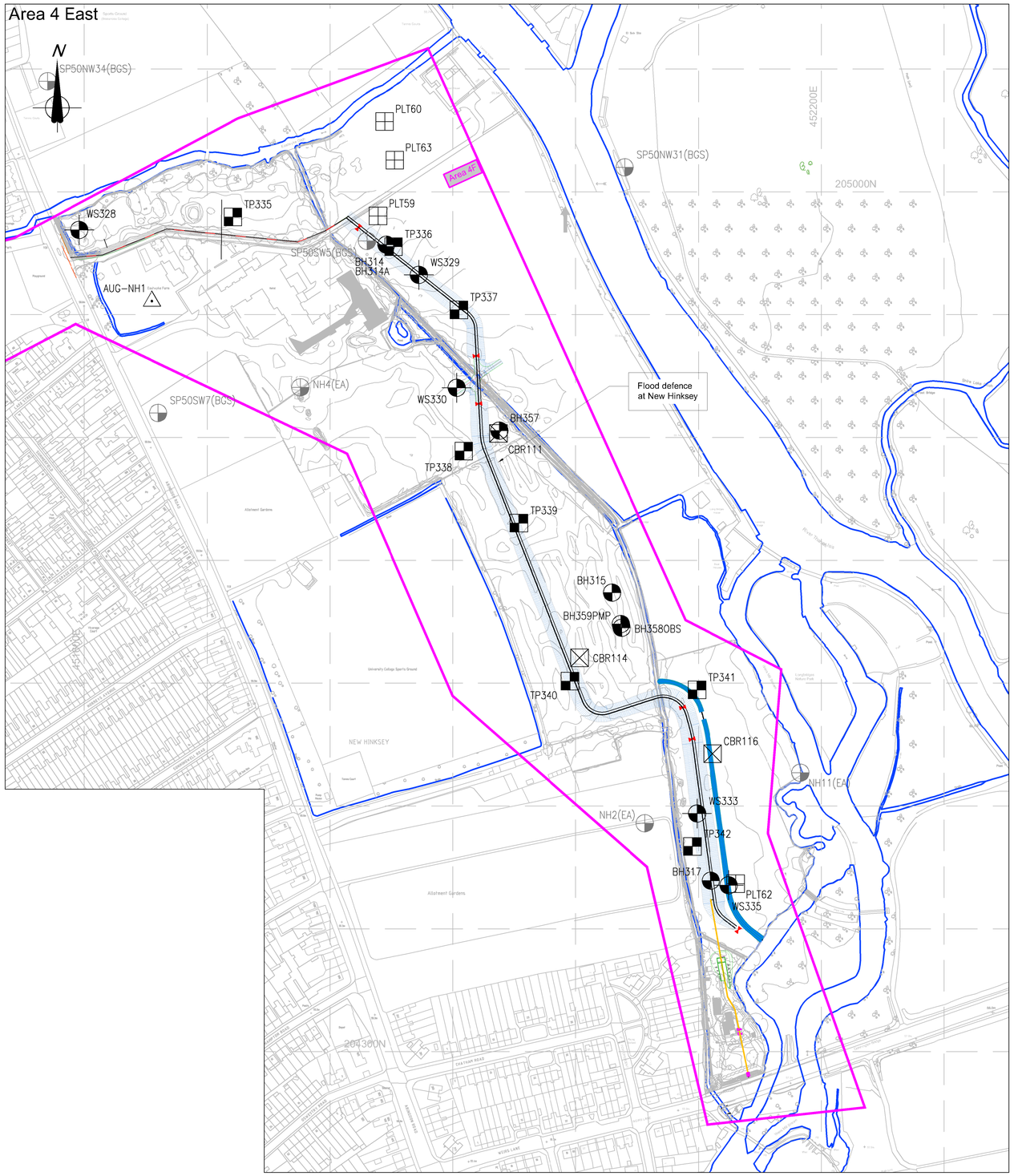
Drawn by: JRV Date: 16/11/17
Checked by: JDM Date: 16/11/17
Approved by: PJM Date: 16/11/17

Drawing No. IMSE500177-CH2-ZZ-A4-DR-GT-0002
Revision P04

Document Suitability: S2

Drawing file path & name : C:\pw_workdir\ion002\rybczynskavasilyev\dms44057\IMSE500177-CH2-ZZ-A4-DR-GT-0002.dwg Layout: Layout1
User and Plot Date : Rybczynska-Vasilyev, Justyna/UKS : May 09, 2018 3:47:14 pm Plot Style Table: C:\Program Files\AutoCAD 2000\Plot Styles\colour A3.ctb

IMSE500177-CH2-ZZ-A4-DR-GT-0002.dwg



PLAN

SCALE 1:2000 AT A1, 1:4000 AT A3

0 50 100 200

SCALE 1:2,000 (A1)
SCALE 1:4,000 (A3)

METRES

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2017 Ground Investigation
- Borehole
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- Trial pit
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- CPT
- Hand auger
- Plate load test
- CBR test
- Surface water sample

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- Hand auger

2015 Ground Investigation
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- Trial pit
- Window sample hole
- Hand auger
- Hand pit
- Plate load test
- Soakaway test
- Surface water sample

2011 Ground Investigation
- Trial pit
- Window sample hole

2008 Ground Investigation
- Borehole
- Trial pit
- Window sample hole

Other Ground Investigations
- Borehole
- Trial pit
- Window sample hole
- CPT
- Soakaway test
- CBR test

Exploratory hole names adopted for 'Other Investigation' legend category		
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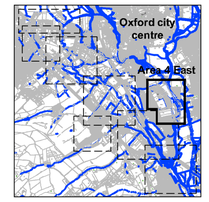
Network Rail	(NR)	BH1(NR)
Southern Bypass	(SBP)	55(SBP)
Seacourt Park Ride	(SPR)	BH1(SPR)

Key Plan:



Notes:

1. AUG-NH1 presumed to be location in New Hinksey. WYG to provide co-ordinates.

Legend

- Existing Watercourses
- New / Modified First-Stage Channel
- New Second-Stage Channel
- New Flow Control Structure
- Permanent hardstanding area for maintenance vehicles
- New permanent gravel access track for maintenance
- Riffles
- Wetland Features (Scrapes, Backwaters)
- Existing trees
- Trees to be removed
- Bays + berms (channel)

S2-FIT FOR INFORMATION

Rev	By	Chkd	Apprvd	Date	Description
P04	JRV	JDM	PJM	08/05/18	SCHEME LAYOUT UPDATED
P03	JRV	JDM	PJM	16/01/18	GI INFORMATION UPDATED
P02	JRV	JDM	PJM	22/11/17	SCHEME LAYOUT UPDATED
P01	JRV	JDM	PJM	16/11/17	FOR INFORMATION

Client: Environment Agency

Burderop Park
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Fax: +44 (0) 1793 812 089
www.ch2mhill.com

Project: WEM LOT 3 - OXFORD FLOOD ALLEVIATION SCHEME DETAILED DESIGN
684232

Drawing: GROUND INVESTIGATION EXPLORATORY HOLE LOCATIONS AREA 4 EAST

Drawn by: JRV	Date: 16/11/17
Checked by: JDM	Date: 16/11/17
Approved by: PJM	Date: 16/11/17
Drawing No. IMSE500177-CH2-ZZ-A4-DR-GT-0003	Revision P04

Document Suitability: S2

Drawing file path & name : C:\pw_work\rlorton002\pycznaksawisheyl\dms44057\IMSE500177-CH2-ZZ-A4-DR-GT-0003.dwg Layout: Layout1
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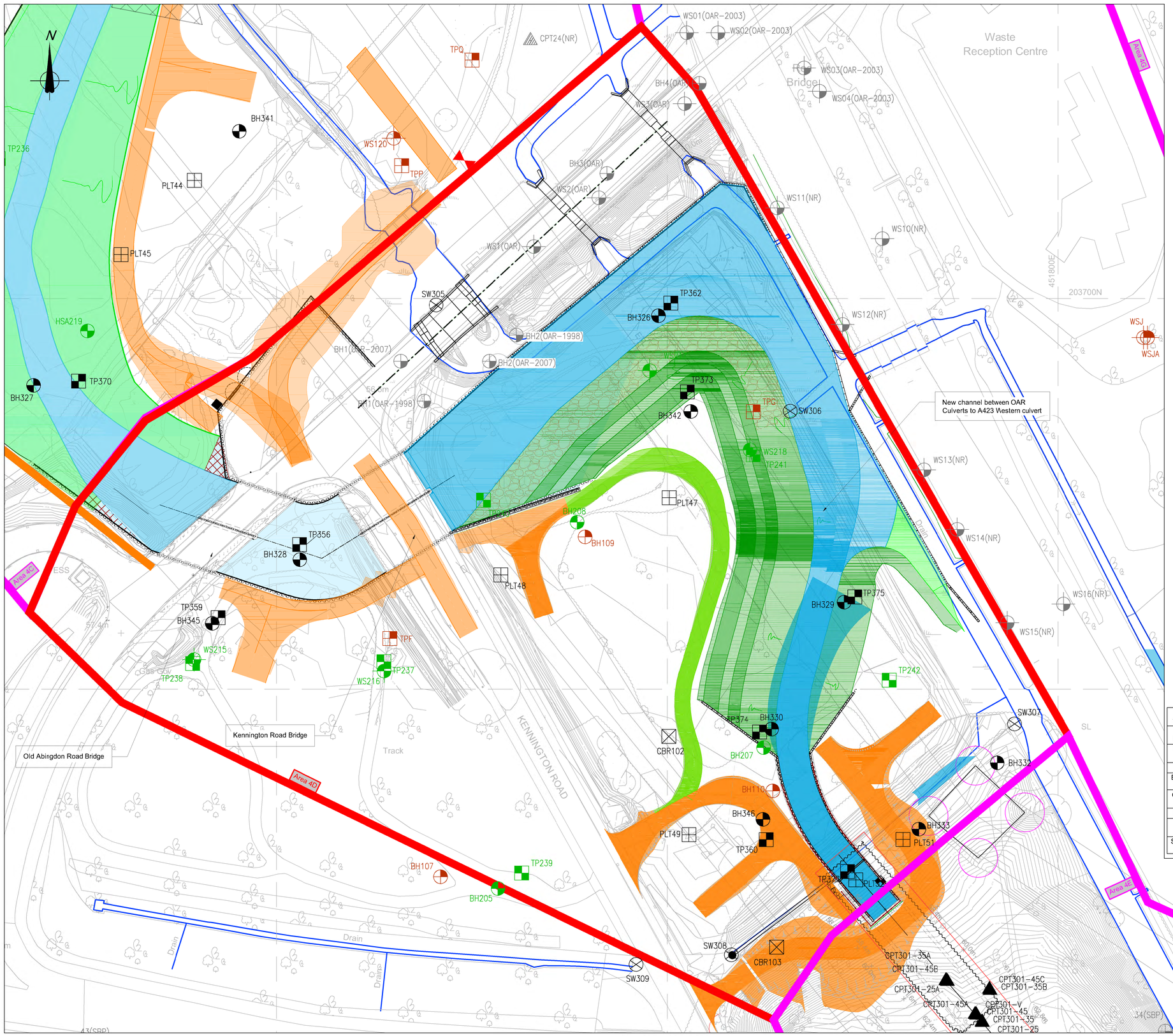

INSET PLAN
(OLD ABINGDON ROAD AND KENNINGTON ROAD BRIDGES)

SCALE 1:500 AT A1, 1:1000 AT A3

0 10 20 30 40 50

SCALE 1:500 (A1)
SCALE 1:1,000 (A3) METRES

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2017 Ground Investigation
- Borehole
- Soil tensiometer
- Trial pit
- Window sample hole
- CPT
- Hand auger
- Plate load test
- CBR test
- Surface water sample

2016 Ground Investigation
- Borehole
- Hand auger

2015 Ground Investigation
- Borehole
- Trial pit
- Window sample hole
- Hand auger
- Hand pit
- Plate load test
- Soakaway test
- Surface water sample

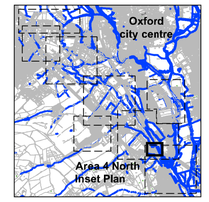
2011 Ground Investigation
- Trial pit
- Window sample hole

2008 Ground Investigation
- Borehole
- Trial pit
- Window sample hole

Other Ground Investigations
- Borehole
- Trial pit
- Window sample hole
- CPT
- Soakaway test
- CBR test

Exploratory hole names adopted for 'Other Investigation' legend category		
Ground Investigation	Exploratory Hole name post-fix	Example hole name
Botley Cycle Bridge	(BCB)	BH1(BCB)
BGS holes	(BGS)	SP40NE59(BGS)
EA monitoring holes	(EA)	SCH5(EA)
Old Abingdon Road	(OAR)	BH3(OAR), BH1(OAR-1998)
Network Rail	(NR)	BH1(NR)
Southern Bypass	(SBP)	55(SBP)
Seacourt Park Ride	(SPR)	BH1(SPR)

Key Plan:



Notes:

1. -

Legend

- Existing Watercourses
- New / Modified First-Stage Channel
- New Secord-Stage Channel
- New Flow Control Structure
- Permanent hardstanding area for maintenance vehicles
- New permanent gravel access track for maintenance
- Riffles
- Wetland Features (Scrapes, Backwaters)
- Existing trees
- Trees to be removed
- Bays + berms (channel)

S2-FIT FOR INFORMATION

Rev	By	Chkd	Apprvd	Date	Description
P04	JRV	JDM	PJM	08/05/18	SCHEME LAYOUT UPDATED
P03	JRV	JDM	PJM	16/01/18	GI INFORMATION UPDATED
P02	JRV	JDM	PJM	22/11/17	SCHEME LAYOUT UPDATED
P01	JRV	JDM	PJM	16/11/17	FOR INFORMATION

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Fax: +44 (0) 1793 812 089
www.ch2mhill.com

Project
WEM LOT 3 - OXFORD FLOOD ALLEVIATION SCHEME DETAILED DESIGN
684232

Drawing
GROUND INVESTIGATION EXPLORATORY HOLE LOCATIONS
AREA 4 NORTH - INSET PLAN

Drawn by: JRV	Date: 16/11/17
Checked by: JDM	Date: 16/11/17
Approved by: PJM	Date: 16/11/17
Drawing No. IMSE500177-CH2-ZZ-A4-DR-GT-0004	Revision P04

Document Suitability: S2

IMSE500177-CH2-ZZ-A4-DR-GT-0004.dwg

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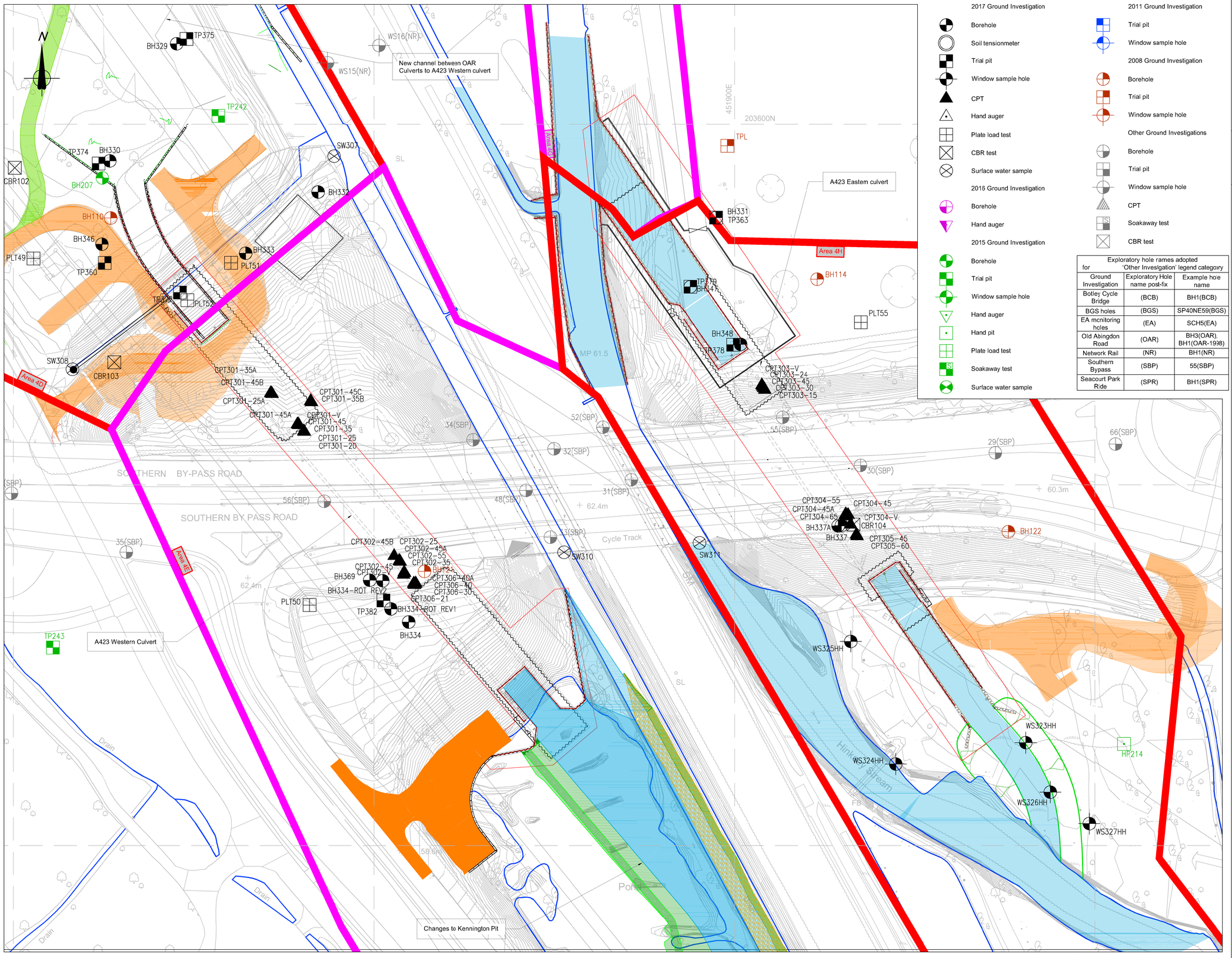
User and Plot Date : rkybczynska.Vladyev, Jubyna UKS - May 09, 2018 4:16:35 pm Plot Style Table: C:\Program Files\Adsk\Civil 3D 2009\Plot Styles\colour A3.ctb



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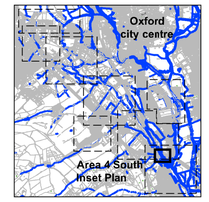

Notes:

1. -

Legend

- Existing Watercourses
- New / Modified First-Stage Channel
- New Second-Stage Channel
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- Borehole
- Soil tensionmeter
- Trial pit
- Window sample hole
- CPT
- Hand auger
- Plate load test
- CBR test
- Surface water sample

2016 Ground Investigation
- Borehole
- Hand auger

2015 Ground Investigation
- Borehole
- Trial pit
- Window sample hole
- Hand auger
- Hand pit
- Plate load test
- Soakaway test
- Surface water sample

2011 Ground Investigation
- Trial pit
- Window sample hole

2008 Ground Investigation
- Borehole
- Trial pit
- Window sample hole

Other Ground Investigations
- Borehole
- Trial pit
- Window sample hole
- CPT
- Soakaway test
- CBR test

Exploratory hole names adopted for 'Other Investigation' legend category

Ground Investigation	Exploratory Hole name post-fix	Example hole name
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BGS holes	(BGS)	SP40NE59(BGS)
EA monitoring holes	(EA)	SCH5(EA)
Old Abingdon Road	(OAR)	BH3(OAR), BH1(OAR-1998)
Network Rail	(NR)	BH1(NR)
Southern Bypass	(SBP)	55(SBP)
Seacourt Park Ride	(SPR)	BH1(SPR)

INSET PLAN
(A423 WESTERN AND EASTERN CULVERTS)
SCALE 1:500 AT A1, 1:1000 AT A3

0 10 20 30 40 50 METRES
SCALE 1:500 (A1)
SCALE 1:1,000 (A3)

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Rev	By	Chkd	Apprvd	Date	Description
P04	JRV	JDM	PJM	08/05/18	SCHEME LAYOUT UPDATED
P03	JRV	JDM	PJM	16/01/18	GI INFORMATION UPDATED
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P01	JRV	JDM	PJM	16/11/17	FOR INFORMATION

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www.ch2mhill.com
ch2m SM

Project
WEM LOT 3 - OXFORD FLOOD ALLEVIATION SCHEME DETAILED DESIGN
684232

Drawing
GROUND INVESTIGATION EXPLORATORY HOLE LOCATIONS
AREA 4 SOUTH - INSET PLAN

Drawn by: JRV Date: 16/11/17
Checked by: JDM Date: 16/11/17
Approved by: PJM Date: 16/11/17

Drawing No. IMSE500177-CH2-ZZ-A4-DR-GT-0005
Revision P04

Document Suitability: S2

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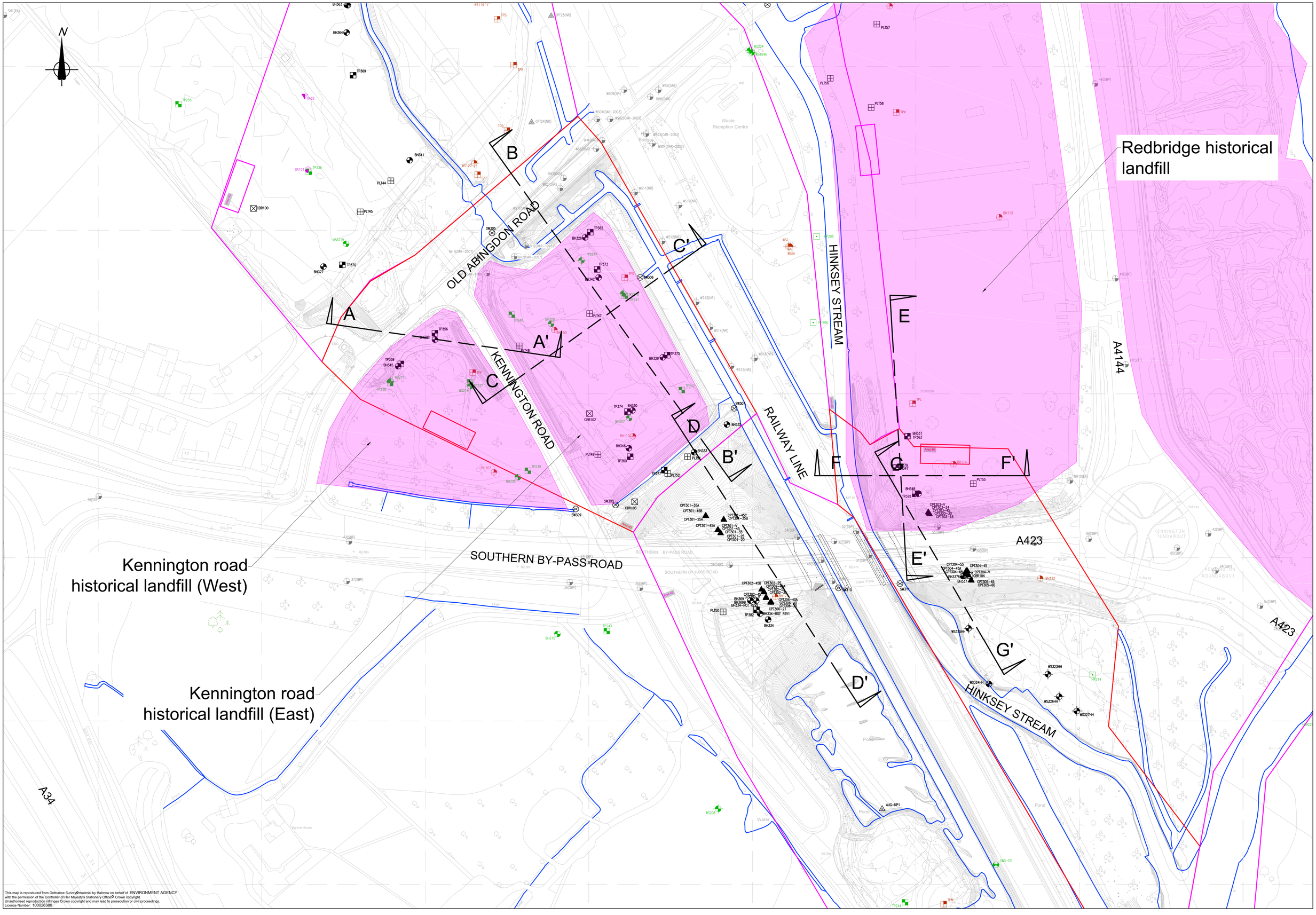
IMSE500177-CH2-ZZ-A4-DR-GT-0005.dwg

Appendix F
Holebase cross-sections



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A

A'

Kennington Rd West Landfill

Kennington Rd East Landfill

Existing GL

BH345
Offset: 19.608
Chainage: 22.271
GL: 56.860

Old Abingdon Rd

TP359
Offset: 17.944
Chainage: 23.564
GL: 56.810

TP356
Offset: -3.602
Chainage: 41.501
GL: 56.280

BH328
Offset: 0.239
Chainage: 42.122
GL: 56.400

TP237
Offset: 22.966
Chainage: 67.197
GL: 56.500

TPF
Offset: 16.850
Chainage: 67.830
GL: 56.400

WS216
Offset: 24.911
Chainage: 67.996
GL: 56.960

Kennington Rd

TP240
Offset: -21.622
Chainage: 86.379
GL: 55.930

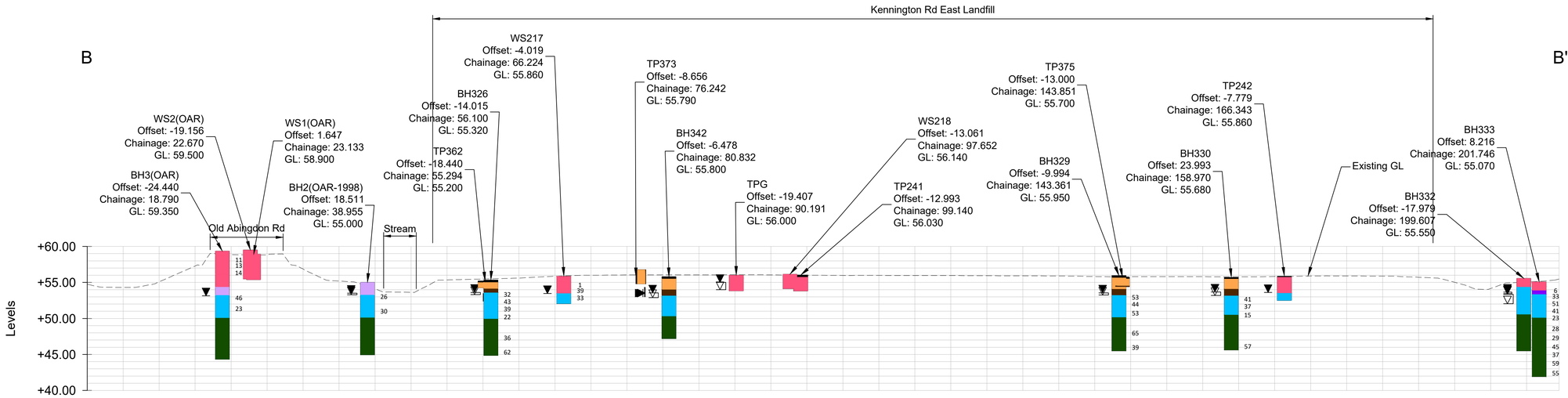
+60.00
+55.00
+50.00
+45.00
Levels

54
69
12
34

Section A-A'

GEOLOGY LEGEND

- NO RECOVERY
- TOPSOIL
- LANDFILL MATERIAL
- LANDFILL LINER
- MADE GROUND - A423 EMBANKMENT
- MADE GROUND - NETWORK RAIL
- MADE GROUND - OTHER
- ORGANIC ALLUVIUM
- ALLUVIUM
- RIVER TERRACE DEPOSITS
- SOLIFLUCTION DEPOSITS
- KINGSTON FORMATION
- OXFORD CLAY



Section B-B

GEOLOGY LEGEND

- NO RECOVERY
- TOPSOIL
- LANDFILL MATERIAL
- LANDFILL LINER
- MADE GROUND - A423 EMBANKMENT
- MADE GROUND - NETWORK RAIL
- MADE GROUND - OTHER
- ORGANIC ALLUVIUM
- ALLUVIUM
- RIVER TERRACE DEPOSITS
- SOLIFLUCTION DEPOSITS
- KINGSTON FORMATION
- OXFORD CLAY

C

C'

Kennington Rd East Landfill

Kennington Rd

BH208
Offset: -15.472
Chainage: 37.667
GL: 56.320

BH109
Offset: -11.055
Chainage: 36.966
GL: 55.950

Existing GL

TP241
Offset: -3.114
Chainage: 84.143
GL: 56.030

WS218
Offset: -4.602
Chainage: 84.211
GL: 56.140

BH342
Offset: -21.422
Chainage: 77.629
GL: 55.800

TPG
Offset: -12.063
Chainage: 90.557
GL: 56.000

Stream

Levels

+60.00
+55.00
+50.00
+45.00

23
28
29
32

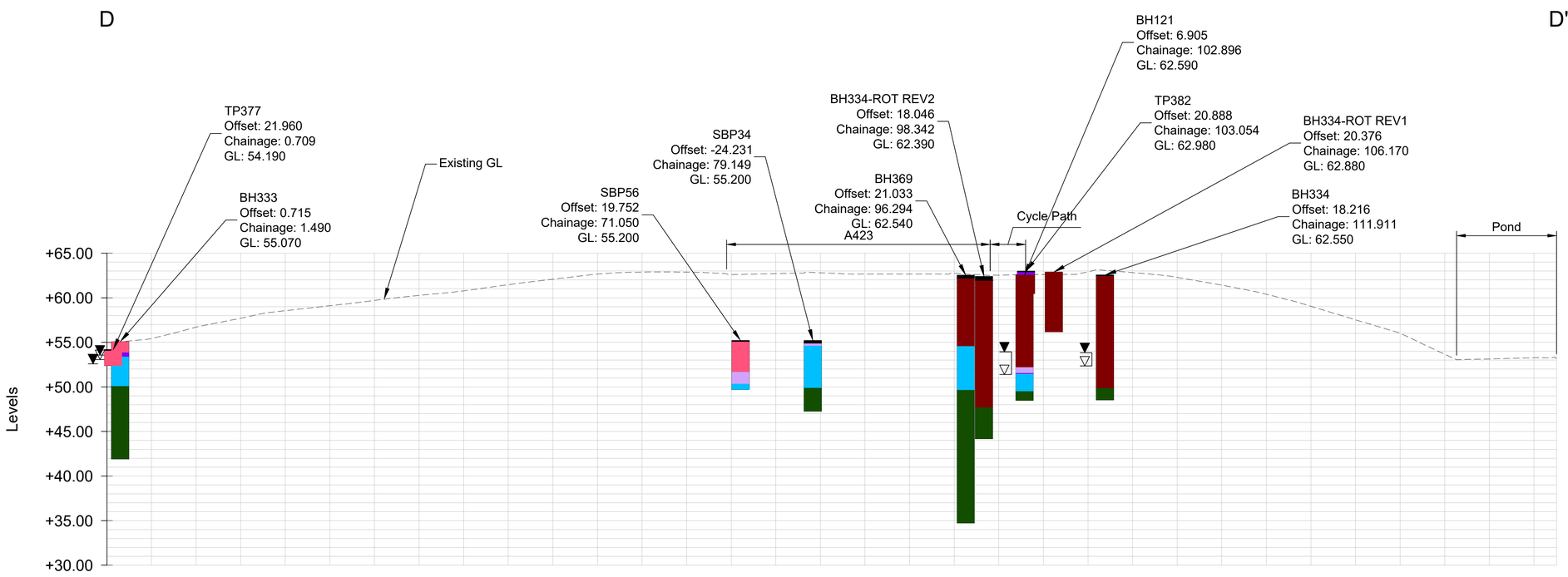
Section C-C

GEOLOGY LEGEND

- NO RECOVERY
- TOPSOIL
- LANDFILL MATERIAL
- LANDFILL LINER
- MADE GROUND - A423 EMBANKMENT
- MADE GROUND - NETWORK RAIL
- MADE GROUND - OTHER
- ORGANIC ALLUVIUM
- ALLUVIUM
- RIVER TERRACE DEPOSITS
- SOLIFLUCTION DEPOSITS
- KINGSTON FORMATION
- OXFORD CLAY

D

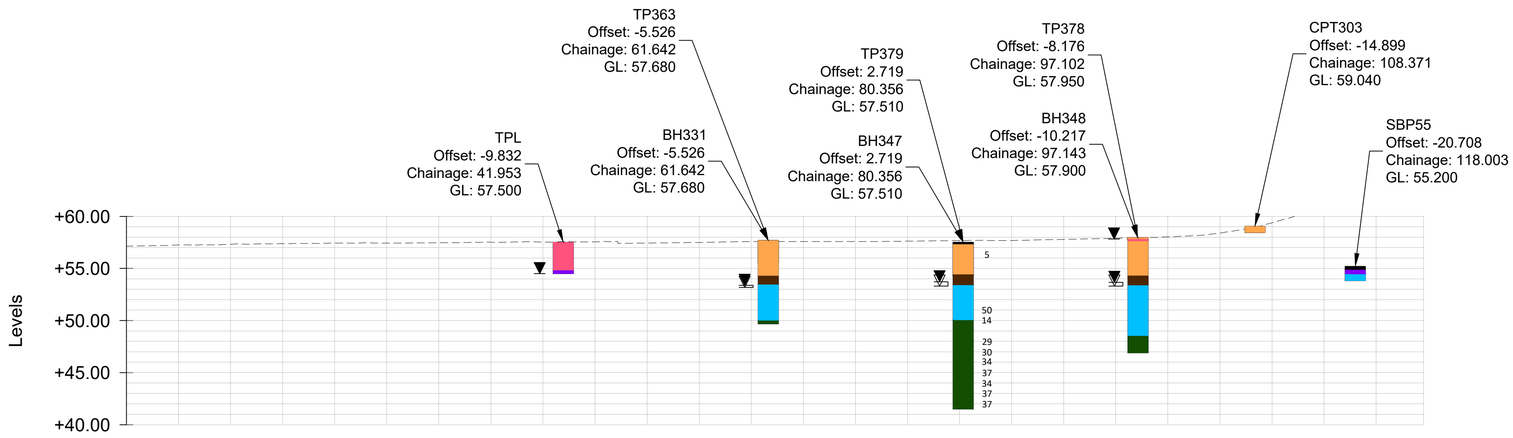
D'



Section D-D

GEOLOGY LEGEND

- NO RECOVERY
- TOPSOIL
- LANDFILL MATERIAL
- LANDFILL LINER
- MADE GROUND - A423 EMBANKMENT
- MADE GROUND - NETWORK RAIL
- MADE GROUND - OTHER
- ORGANIC ALLUVIUM
- ALLUVIUM
- RIVER TERRACE DEPOSITS
- SOLIFLUCTION DEPOSITS
- KINGSTON FORMATION
- OXFORD CLAY



Section E-E

GEOLOGY LEGEND

- NO RECOVERY
- TOPSOIL
- LANDFILL MATERIAL
- LANDFILL LINER
- MADE GROUND - A423 EMBANKMENT
- MADE GROUND - NETWORK RAIL
- MADE GROUND - OTHER
- ORGANIC ALLUVIUM
- ALLUVIUM
- RIVER TERRACE DEPOSITS
- SOLIFLUCTION DEPOSITS
- KINGSTON FORMATION
- OXFORD CLAY

BH331
Offset: -24.128
Chainage: 31.661
GL: 57.680

TP363
Offset: -24.128
Chainage: 31.661
GL: 57.680

TP379
Offset: -4.958
Chainage: 24.541
GL: 57.510

TP378
Offset: 11.112
Chainage: 36.411
GL: 57.950

BH347
Offset: -4.958
Chainage: 24.541
GL: 57.510

BH348
Offset: 11.032
Chainage: 38.451
GL: 57.900

BH114
Offset: -7.038
Chainage: 59.791
GL: 57.900

+65.00
+60.00
+55.00
+50.00
+45.00
+40.00

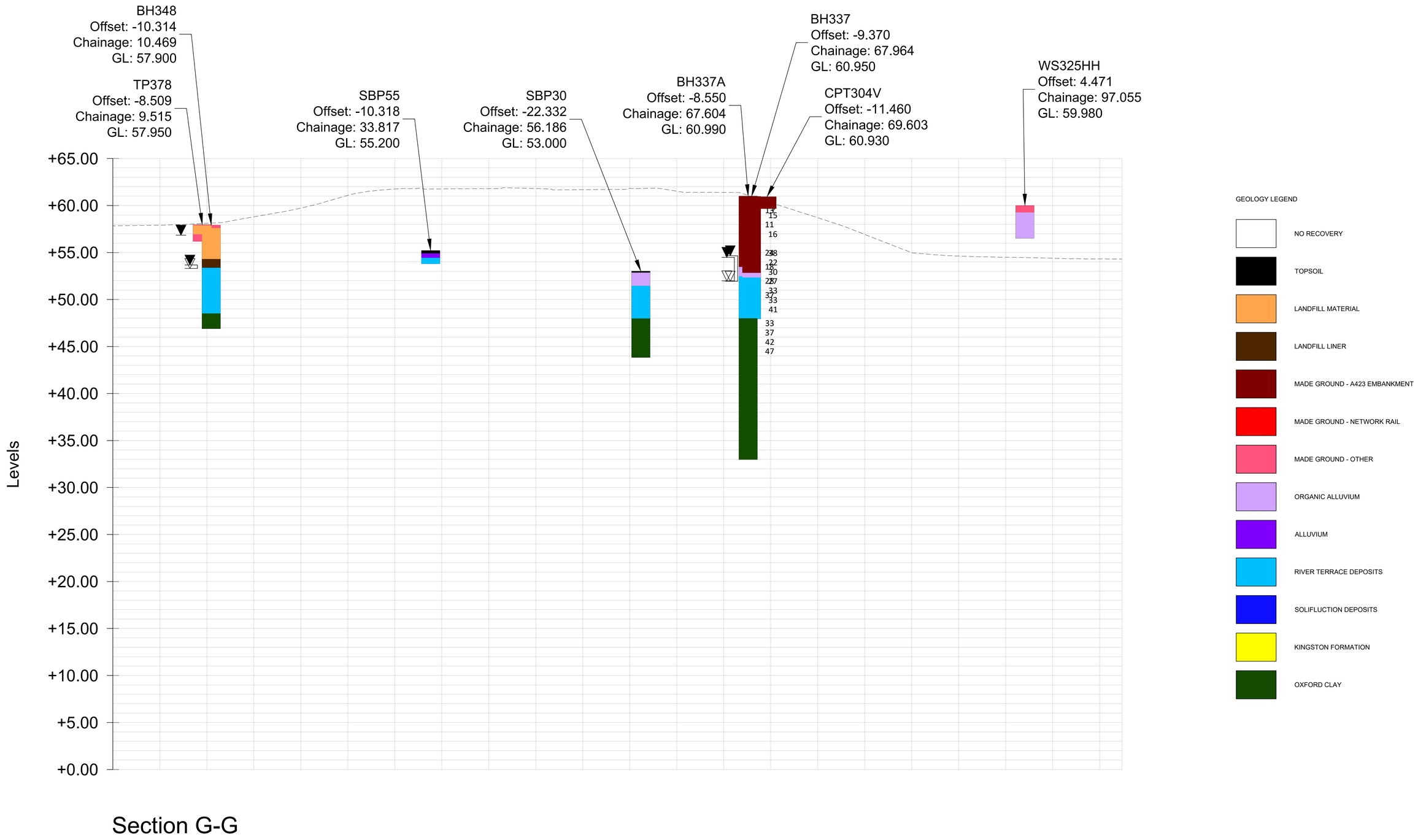
Levels

5
50
14
29
30
34
37
34
37
37

GEOLOGY LEGEND

- NO RECOVERY
- TOPSOIL
- LANDFILL MATERIAL
- LANDFILL LINER
- MADE GROUND - A423 EMBANKMENT
- MADE GROUND - NETWORK RAIL
- MADE GROUND - OTHER
- ORGANIC ALLUVIUM
- ALLUVIUM
- RIVER TERRACE DEPOSITS
- SOLIFLUCTION DEPOSITS
- KINGSTON FORMATION
- OXFORD CLAY

Section F-F


BH348
Offset: -10.314
Chainage: 10.469
GL: 57.900
TP378
Offset: -8.509
Chainage: 9.515
GL: 57.950
SBP55
Offset: -10.318
Chainage: 33.817
GL: 55.200
SBP30
Offset: -22.332
Chainage: 56.186
GL: 53.000
BH337A
Offset: -8.550
Chainage: 67.604
GL: 60.990
BH337
Offset: -9.370
Chainage: 67.964
GL: 60.950
CPT304V
Offset: -11.460
Chainage: 69.603
GL: 60.930
WS325HH
Offset: 4.471
Chainage: 97.055
GL: 59.980
+65.00
+60.00
+55.00
+50.00
+45.00
+40.00
+35.00
+30.00
+25.00
+20.00
+15.00
+10.00
+5.00
+0.00
Levels
GEOLOGY LEGEND
NO RECOVERY
TOPSOIL
LANDFILL MATERIAL
LANDFILL LINER
MADE GROUND - A423 EMBANKMENT
MADE GROUND - NETWORK RAIL
MADE GROUND - OTHER
ORGANIC ALLUVIUM
ALLUVIUM
RIVER TERRACE DEPOSITS
SOLIFLUCTION DEPOSITS
KINGSTON FORMATION
OXFORD CLAY

Section G-G

Appendix G
Technical Note on Groundwater Contamination in the Area to the North of Old Abingdon Road

TECHNICAL MEMORANDUM

Oxford FAS – Review of the Significance of Groundwater Contamination just to the North of Old Abingdon Road

PREPARED FOR:	Phil Marsh
COPY TO:	Dean Maddison
PREPARED BY:	Richard Winstanley
DATE:	May 18, 2018
PROJECT NUMBER:	684232
REVISION NO.:	2
APPROVED BY:	Robin Lancefield

1.0 Background

This technical memorandum is intended to describe in more detail the potential contamination risks around the area just to the north of Old Abingdon Road following identification of potentially contaminated soil and groundwater in this locality in the *Contaminated Land Risk Assessment and Outline Remediation Strategy* submitted as part of the Scheme planning application. (Doc no. 0-IMSE500177-CH2-ZZ-ZZ-RP-GT-0146, Rev 1). The area, exploratory holes and scheme features are shown on the figure at the end of this technical memorandum.

There are other contaminated soils and groundwater some 300m to the north, i.e. around the location of the Hinskey Stream culvert under the railway, but these are not considered in the scope of this technical memorandum.

2.0 Contamination Identified

The exploratory holes with the most significant levels of contamination (data tabulated in the abovementioned report) are WS119 and WS120 from the 2008 Ground Investigation. The samples contained elevated levels of heavy hydrocarbons and PAHs. The record of trial pit TPS also sunk in the locality as part of the 2008 Ground Investigation notes that hydrocarbon odours were noted within the soils. The concentrations of contaminants found within the tested samples are not indicative of gross contamination but do suggest that there has been some kind of release of oils in the local area. This is probably within 100m of the holes as these substances are not particularly mobile. Other groundwater samples in this general locality (from exploratory holes BH327 and HSA219) had some, but limited levels of contaminants. The samples from borehole BH341 had anomalously high levels of PAHs and slightly elevated levels of metals, but no TPHs were detected.

3.0 Potential origin of the contamination

The inferred groundwater flow direction in this area as measured in summer 2017 was to the west and south-west compared to the general Scheme-wide groundwater flow direction to the south-east. If the west and south-west direction of flow is representative of the typical conditions then the abovementioned sample locations are downstream of the following potential contamination sources:

- The Cold Harbour/Redbridge landfills
- The Kennington Road East landfill
- The railway line
- The road drainage from Old Abingdon Road (if it discharges to ground)
- A dairy depot adjacent to Old Abingdon Road
- Any other unlicensed waste disposal/spills on fields in the area.

The absence of any notably elevated levels of ammonium in exploratory holes WS119 and WS120 or in any of the others exploratory holes just to the north of Old Abingdon Road this suggests that the contamination is not deriving from the landfills.

4.0 Review of Risk to New Assets in this Area

There are no groundwater samples along the line of the channel to the north-west i.e. downstream of exploratory hole WS119. However, there are a number of exploratory holes that are along the channel in this area and none of those noted hydrocarbon contamination in the logs. This suggests that the contamination at WS119 is either not extending to the channel location or is significantly attenuated.

In respect of exploratory hole WS120 there is one groundwater monitoring point (borehole BH341) between it and the channel. Samples from borehole BH341 did not contain any abnormal petroleum hydrocarbon contamination but did contain some anomalously elevated PAHs. No visual indicators of contamination are noted in the borehole log. This would suggest that the petroleum hydrocarbon groundwater contamination observed at exploratory hole WS120 is not currently extending beneath the footprint of the proposed new channel, although the PAHs could do. Alternatively, the contaminants at borehole BH341 could be deriving from a separate source.

It is noted that local groundwater flow directions will change somewhat, both during the construction phase (e.g. due to dewatering/temporary cut-off installation for the channel and/or the Old Abingdon Road bridge construction) and during the operational phase. The presence of the new channel and sheet-pile walls around the landfills may change flow directions and/or induce higher rates of flow through the local aquifer in this area than present.

There is therefore a risk that some contaminated groundwater may be encountered during the construction phase in this area, either during below ground works or from dewatering activities. During the operational phase there is also some but limited risk that the presence of the new channel will induce higher rates of discharge of local contaminated groundwater to surface water and that the new channel might become polluted as a result.

5.0 Review of Risk to Proposed Ponds

The Scheme design includes a proposed pond at the location of exploratory hole WS119. If the pond is constructed at that location it is likely that hydrocarbon-contaminated soil and groundwater will be encountered during construction of this feature.

Similarly, there is some indication of groundwater contamination at borehole BH341 that may affect pond water quality.

6.0 Implications and Recommendations

Soil and groundwater encountered during the construction of the ponds in the locality of exploratory holes WS119 and BH341 will need to be managed. Measures (e.g. lining) will be needed to prevent

seeps and sheens during operation. Or alternatively the proposed ponds could be re-sited to an uncontaminated area.

There is some risk to the new channel water quality from inflow from contaminated groundwater in this area. It is recommended that the requirement for any corrective action or further investigations should be discussed with the Environment Agency in its regulatory capacity.

It is recommended to implement groundwater and surface water quality monitoring in this area prior to construction to establish a baseline and some form of operational monitoring should be undertaken to confirm the level of impact, if any.

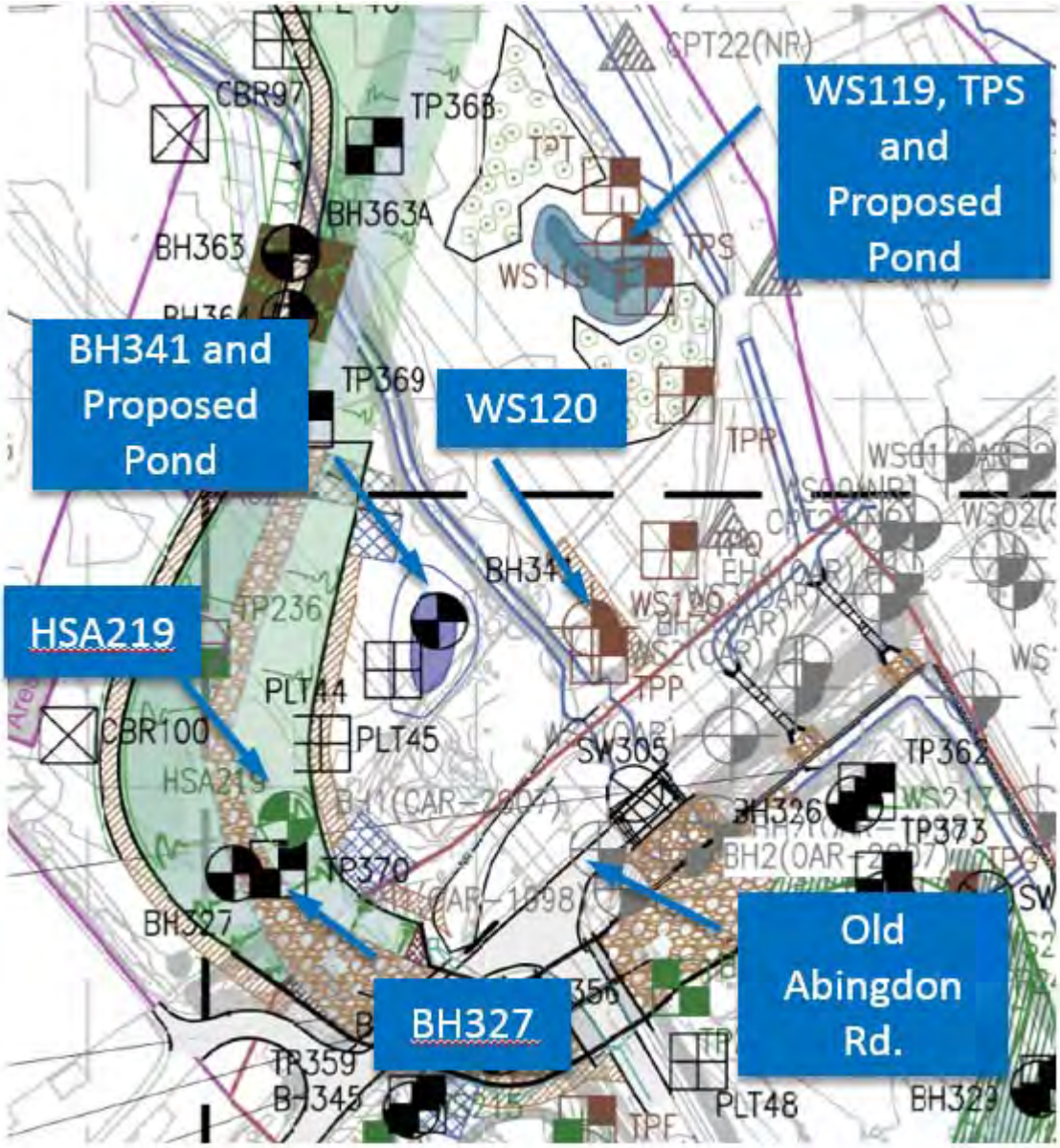



Figure 1 – Exploratory Holes/Scheme Features to the North of Old Abingdon Road.