**Generic Inputs**

| Parameter | Value | Justification |
|---|---|---|
| Fraction of organic carbon in aquifer | 0.00303 (fraction) | Average of all groundwater results for the site, LoD (<2 µg/L) rounded up to 2 µg/L. |
| Select analytical solution (DDM) | EAs preferred solution is **Ogata-Banks**, See p22 of User Manual | RTM Documentation |
| Width of plume in aquifer at source (perpendicular to flow) | 10 (m) | Assumed plume source is at borehole location and allowed 5m either side for dispersivity |
| Plume thickness at source | 9 (m) | Has to be less than total aquifer thickness; always assumed less than saturated aquifer thickness |
| Bulk density of aquifer materials | 1.21 ($g/cm^3$) | Value given within SR3 for sandy silty loam (characterised from assessing PSDs from within the alluvium as sampled on-site) |
| Effective porosity of aquifer | 0.028 (fraction) | Average of on-site data; average value. |
| Hydraulic conductivity of aquifer | 0.00356 (m/d) | Value given within SR3 for sandy silty loam (characterised from assessing PSDs from within the alluvium as sampled on-site) |

**BH Specific Inputs**

| **Borehole BH101** | | |
|---|---|---|
| Initial contaminant concentration in groundwater at plume source | Copper (22)<br>Lead (52.4)<br>Manganese (226.1)<br>Chromium (5.4)<br>Zinc (148.5)<br>Iron (1,677)<br>Free Cyanide (25)<br>Total Cyanide (130)<br>BaP (0.04)<br>BbF (0.08)<br>BghiP (0.03)<br>BkF (0.03)<br>Fluoranth (0.179)<br>I123cdP (0.03)<br>BaA (0.05)<br>Chrys (0.1) | Highest concentration detected within the borehole being assessed |
| Plume thickness at source | 18.5 (m) | Has to be less than total aquifer thickness; always assumed less than saturated aquifer thickness |
| Saturated aquifer thickness | 19.07 (m) | Calculated from on-site data |
| Hydraulic gradient | 0.0092 (fraction) | 385m from BH to receptor, water level at Taff is 26.35 mAOD. Minimum recorded height of GW in BH101 is 29.89, giving a hydraulic gradient of 0.0092. Calculated from on-site monitoring results.<br>29.89-26.35=3.54 3.54/385=0.0092 |
| Distance to compliance point | 385 (m) | Calculated from MasterMap of the site and surronding area. Rounded down from 385.42 |

| **Borehole RBBH205** | | |
|---|---|---|
| Initial contaminant concentration in groundwater at plume source | Copper (11)<br>Lead (4.1)<br>Manganese (225.1)<br>Chromium (11.1)<br>Zinc (29.9)<br>Fluoranthene (0.016)<br>Chloroform (3) | Highest concentration detected within the borehole being assessed |
| Width of plume in aquifer at source (perpendicular to flow) | 10 (m) | Assumed plume source is at CPBH212 and allowed 5m either side for dispersivity |
| Plume thickness at source | 9 (m) | Has to be less than total aquifer thickness; always assumed less than saturated aquifer thickness. Originally attempted at 9.6 but reduced to 9 to remove dispersed plume thickness exceeds aquifer thickness error. |
| Saturated aquifer thickness | 9.67 (m) | Calculated from on-site data |
| Hydraulic gradient | 0.0061 (fraction) | 161m from BH to receptor, water level at Taff is 26.03 mAOD. Minimum recorded height of GW in RBBH205 is 27.01, giving a hydraulic gradient of 0.0061. Calculated from on-site monitoring results.<br>27.01-26.03=0.98 0.98/161=0.0061 |
| Distance to compliance point | 161 (m) | Calculated from MasterMap of the site and surronding area. Rounded down from 161.48 |

| Borehole RBBH206 | Value (µg/L) | Comments |
|---|---|---|
| Initial contaminant concentration in groundwater at plume source | Copper (12)<br>Lead (5.3)<br>Manganese (134.2)<br>Chromium (13.2)<br>Zinc (49.1)<br>Aliphatics >EC10-EC12 (438)<br>Aliphatics >EC16-EC35 (2,400)<br>BbF (0.06)<br>BkF (0.01)<br>Fluoranth (0.035)<br>Chloroform (and Dichloromethane) (19)<br>BaA (0.019)<br>Chrys (0.1) | Highest concentration detected within the borehole being assessed |
| Plume thickness at source | 12 (m) | Has to be less than total aquifer thickness; always assumed less than saturated aquifer thickness. but reduced to 12 to remove dispersed plume thickness exceeds aquifer thickness error. |
| Saturated aquifer thickness | 12.51 (m) | Calculated from on-site data |
| Hydraulic gradient | 0.0043 (fraction) | 272m from BH to receptor, water level at Taff is 26.37 mAOD. Minimum recorded height of GW in RBBH206 is 27.55, giving a hydraulic gradient of 0.0043. Calculated from on-site monitoring results.<br>27.55-26.37=1.18 1.18/272=0.0043 |
| Hydraulic conductivity of aquifer | 0.00356 (m/d) | Value given within SR3 for sandy silty loam (characterised from assessing PSDs from within the alluvium sampled on-site) |
| Distance to compliance point | 272 (m) | Calculated from MasterMap of the site and surronding area. Rounded down from 272.25 |

| Borehole RBBH209 | Value | Comments |
|---|---|---|
| Select nature of decay rate (DDM) | EAs recommend Dissolved Phase only, but need to be careful. Check EA R&D Publication 95 for more information on assessing degradation rates from field data. | RTM Documentation |
| Initial contaminant concentration in groundwater at plume source | Copper (21)<br>Lead (4.4)<br>Manganese (1,411)<br>Chromium (15)<br>Zinc (35.1)<br>Iron (2,120)<br>Nickel (9.5) | Highest concentration detected within the borehole being assessed |
| Plume thickness at source | 10.9 (m) | Has to be less than total aquifer thickness; always assumed less than saturated aquifer thickness but reduced to 10.9 to remove dispersed plume thickness exceeds aquifer thickness error. |
| Saturated aquifer thickness | 11.1 (m) | As BH specific data is not available (BH did not reach bedrock), the average calculated value from on-site data was used. Base of RTDs was not encountered within the BH |
| Hydraulic gradient | 0.0071 (fraction) | 177m from BH to receptor, water level at Taff is 26.78 mAOD. Minimum recorded height of GW in RBBH209 is 28.4, giving a hydraulic gradient of 0.0071. Calculated from on-site monitoring results.<br>28.04-26.78=1.26 1.26/177=0.0071 |
| Distance to compliance point | 177 (m) | Calculated from MasterMap of the site and surronding area. Rounded up from 176.69 |

| **Borehole RBBH210** | | |
|---|---|---|
| Initial contaminant concentration in groundwater at plume source | Copper (6)<br>Lead (3.9)<br>Manganese (3,942)<br>Chromium (7.5)<br>Zinc (25)<br>Iron (1,124)<br>Phenol (14) | Highest concentration detected within the borehole being assessed |
| Plume thickness at source | 10.9 (m) | Has to be less than total aquifer thickness; always assumed less than saturated aquifer thickness. |
| Saturated aquifer thickness | 11.1 (m) | As BH specific data is not available (BH did not reach bedrock), the average calculated value from on-site data was used. RTD is at least 11.45m thick. |
| Hydraulic gradient | 0.0103 (fraction) | 185m from BH to receptor, water level at Taff is 27.22 mAOD. Minimum recorded height of GW in RBBH210 is 29.13, giving a hydraulic gradient of 0.0103. Calculated from on-site monitoring results.<br><br>29.13-27.22=1.91 1.91/185=0.0103 |
| Hydraulic conductivity of aquifer | 0.00356 (m/d) | Value given within SR3 for sandy silty loam (characterised from assessing PSDs from within the alluvium sampled on-site) |
| Distance to compliance point | 185 (m) | Calculated from MasterMap of the site and surronding area. Rounded down from 185.41 |

**Contaminant Specific Parameters**

| Contaminant | Target | Target Source | Half Life (days) | | Kd (L/kg) | Koc (L/kg) | foc |
|---|---|---|---|---|---|---|---|
| | | | Run 1 | Run 2 | | | |
| Copper | 1ug/L | Freshwater EQS | 9E+99 | | 100 | | |
| Lead | 1.2 ug/L | Freshwater EQS | 9E+99 | | 900 | | |
| Manganese | 123 ug/L | Freshwater EQS | 9E+99 | | 65 | | |
| Chromium | 4.7 ug/L | Freshwater EQS | 9E+99 | | 4800 | | |
| Zinc | 10.9 ug/L | Freshwater EQS | 9E+99 | | 38 | | |
| Iron | 1000 ug/L | Freshwater EQS | 9E+99 | | 25 | | |
| Nickel | 4 ug/L | Freshwater EQS | 9E+99 | | 500 | | |
| Nitrate | 4,000 ug/L | DWS | 9E+99 | | 0.5 | | |
| Phenol | 7.7 ug/L | Freshwater EQS | 9E+99 | | | 1.48 | 0.00303 |
| Free Cyanide | 1 ug/L | Freshwater EQS | 9E+99 | 15 | | 1.4 | |
| Aliphatics >EC10-EC12 | 300 ug/L | WHO DWS | 9E+99 | | | 5.4 | |
| Aliphatics >EC16-EC35 | 300 ug/L | WHO DWS Surrogate | 9E+99 | | | 6.7 | |
| BaP | 0.00017 ug/L | Inland Surface Water EQS | 9E+99 | 1059 | | 5.11 | |
| BbF | 0.00017 ug/L | BaP Surrogate | 9E+99 | 1219.1 | | 5.02 | |
| BghiP | 0.00017 ug/L | BaP Surrogate | 9E+99 | 1314 | | 6.81 | |
| BkF | 0.00017 ug/L | BaP Surrogate | 9E+99 | 4270.5 | | 5.17 | |
| Fluoranth | 0.0063 ug/L | Inland Surface Water EQS | 9E+99 | 879.65 | | 4.26 | |
| I123cdP | 0.00017 ug/L | BaP Surrogate | 9E+99 | 1460 | | 7.94 | |
| Chloroform | 2.5 ug/L | PWS(E)R 2016 | 9E+99 | | | 1.7 | |
| Dichloromethane | 2ug/L | PWS(E)R 2016 | 9E+99 | | | 1.2 | |

**Run 1 Results**

| BH | Contaminant | Target Concentration | Concentration of contaminant at compliance point | Result Pass ✓/Fail × |
|---|---|---|---|---|
| RBBH202 | Copper | 0.001 mg/L | 0.000576 mg/L | ✓ |
| RBBH203 | Copper | 0.001 mg/L | 0.00109 mg/L | × |
| RBBH205 | Copper | 0.001 mg/L | 0.00151 mg/L | × |
| RBBH206 | Copper | 0.001 mg/L | 0.000839 mg/L | ✓ |
| RBBH209 | Copper | 0.001 mg/L | 0.00276 mg/L | × |
| RBBH210 | Copper | 0.001 mg/L | 0.000739 mg/L | ✓ |
| BH101 | Copper | 0.001 mg/L | 0.0018 mg/L | × |
| RBBH202 | Lead | 0.0012 mg/L | 0.000403 mg/L | ✓ |
| RBBH203 | Lead | 0.0012 mg/L | 0.000665 mg/L | ✓ |
| RBBH205 | Lead | 0.0012 mg/L | 0.000562 mg/L | ✓ |
| RBBH206 | Lead | 0.0012 mg/L | 0.000371 mg/L | ✓ |
| RBBH209 | Lead | 0.0012 mg/L | 0.000553 mg/L | ✓ |
| RBBH210 | Lead | 0.0012 mg/L | 0.00048 mg/L | ✓ |
| BH101 | Lead | 0.0012 mg/L | "No significant breakthrough at compliance point" | ✓ |
| RBBH202 | Manganese | 0.123 mg/L | 0.0257 mg/L | ✓ |
| RBBH203 | Manganese | 0.123 mg/L | 0.0243 mg/L | ✓ |
| RBBH205 | Manganese | 0.123 mg/L | 0.0309 mg/L | ✓ |
| RBBH206 | Manganese | 0.123 mg/L | 0.00938 mg/L | ✓ |
| RBBH209 | Manganese | 0.123 mg/L | 0.186 mg/L | × |
| RBBH210 | Manganese | 0.123 mg/L | 0.485 mg/L | × |
| BH101 | Manganese | 0.123 mg/L | 0.0119 mg/L | ✓ |
| RBBH202 | Chromium | 0.0047 mg/L | 0.00107 mg/L | ✓ |
| RBBH203 | Chromium | 0.0047 mg/L | 0.00137 mg/L | ✓ |
| RBBH205 | Chromium | 0.0047 mg/L | 0.00152 mg/L | ✓ |
| RBBH206 | Chromium | 0.0047 mg/L | 0.000923 mg/L | ✓ |
| RBBH209 | Chromium | 0.0047 mg/L | 0.00197 mg/L | ✓ |
| RBBH210 | Chromium | 0.0047 mg/L | 0.000923 mg/L | ✓ |
| BH101 | Chromium | 0.0047 mg/L | 0.000283 mg/L | ✓ |
| CPBH212 | Zinc | 0.0109 mg/L | 0.00233 mg/L | ✓ |
| RBBH203 | Zinc | 0.0109 mg/L | 0.000411 mg/L | ✓ |
| RBBH205 | Zinc | 0.0109 mg/L | 0.0041 mg/L | ✓ |
| RBBH206 | Zinc | 0.0109 mg/L | 0.00343 mg/L | ✓ |
| RBBH209 | Zinc | 0.0109 mg/L | 0.00462 mg/L | ✓ |
| RBBH210 | Zinc | 0.0109 mg/L | 0.00308 mg/L | ✓ |
| BH101 | Zinc | 0.0109 mg/L | 0.00779 mg/L | ✓ |
| RBBH202 | Iron | 1 mg/L | 0.161 mg/L | ✓ |
| RBBH203 | Iron | 1 mg/L | 0.147 mg/L | ✓ |
| RBBH206 | Iron | 1 mg/L | 0.141 mg/L | ✓ |
| RBBH209 | Iron | 1 mg/L | 0.279 mg/L | ✓ |
| RBBH210 | Iron | 1 mg/L | 0.138 mg/L | ✓ |
| BH101 | Iron | 1 mg/L | 0.088 mg/L | ✓ |
| RBBH209 | Nickel | 0.004 mg/L | 0.00125 mg/L | ✓ |
| RBBH210 | Phenol | 0.0077 mg/L | 0.00172 mg/L | ✓ |
| BH101 | Free Cyanide | 0.001 mg/L | 0.00131 mg/L | × |
| RBBH206 | Aliphatic EC10-EC12 | 0.3 mg/L | 0.0306 mg/L | ✓ |
| RBBH206 | Aliphatic EC16-EC35 | 0.3 mg/L | 0.168 mg/L | ✓ |
| BH101 | Benzo(a)pyrene | 0.00000017 mg/L | 0.000002.1 mg/L | × |
| RBBH206 | Benzo(b)Flouranthene | 0.00000017 mg/L | 0.0000042 mg/L | × |
| BH101 | Benzo(b)Flouranthene | 0.00000017 mg/L | 0.00000042 mg/L | × |
| BH101 | Benzo(g,h,i)perylene | 0.00000017 mg/L | 0.00000157 mg/L | × |
| RBBH206 | Benzo(k)fluoranthene | 0.00000017 mg/L | 0.000000699 mg/L | × |
| BH101 | Benzo(k)fluoranthene | 0.00000017 mg/L | 0.00000157 mg/L | × |
| RBBH205 | Fluoranthene | 0.0000063 mg/L | 0.00000219 mg/L | ✓ |
| RBBH206 | Fluoranthene | 0.0000063 mg/L | 0.00000245 mg/L | ✓ |
| BH101 | Fluoranthene | 0.0000063 mg/L | 0.0000094 mg/L | × |
| BH101 | Indeno(1,2,3-c,d)pyrene | 0.00000017 mg/L | 0.00000157 mg/L | × |
| RBBH205 | Chloroform | 0.0025 mg/L | 0.000411 mg/L | ✓ |
| RBBH206 | Chloroform | 0.0025 mg/L | 0.00133 mg/L | ✓ |
| RBBH205 | Dichloromethane | | 0.000411 mg/L | ✓ |
| RBBH206 | Dichloromethane | | 0.00133 mg/L | ✓ |
| CPBH212 | Nitrate | 4 mg/L | 67 mg/L | × |

red — Indicates exceedence of Target Concentration

Indicates the borehole exceedence chosen to be modelled in R2 based on worst case scenario/highest concentration at compliance point

**Run 2 Results**

| BH | Contaminant | Target Concentration | Concentration of contaminant at compliance point (mg/l) | Result Pass ✓/Fail × | Comments |
|---|---|---|---|---|---|
| RBBH209 | Copper | 0.001 mg/L | 0.000345 | ✓ | Initial concentrations run through M-BAT tool prior to inputting to RTW |
| RBBH210 | Manganese | 0.123 mg/L | 0.0721 | ✓ | |
| BH101 | Free Cyanide | 0.001 mg/L | 1.50E-186 | ✓ | Updated half life to 15 days as per WFD-UKTAG free cyanide in groundwater. Sorokin N, Atkinson C, Aldous E, Rule K, Maycock D and Comber S. (2008). Proposed EQS for Water Framework Directive Annex VIII substances: cyanide (For consultation). Water Framework Directive - United Kingdom Technical Advisory Group (WFD-UKTAG). |
| BH101 | Benzo(a)pyrene | 0.00000017 mg/L | NO IMPACT | ✓ | Updated Half Life value to max range after Howard et al (P. H. Howard, R. S. Boethling, W. S. Jarvis, W. M. Meylan and E. M. Michalenko, "Handbook of Environmental Degradation Rates," Lewis, Chelsea, Michigan, 1991.) |
| BH101 | Benzo(b)Flouranthene | 0.00000017 mg/L | NO IMPACT | ✓ | Updated Half Life value to max range after Howard et al (1991) |
| BH101 | Benzo(g,h,i)perylene | 0.00000017 mg/L | NO IMPACT | ✓ | Updated Half Life value to max range after Howard et al (1991) |
| RBBH206 | Benzo(k)fluoranthene | 0.00000017 mg/L | 3.05458E-17 | ✓ | Updated Half Life value to max range after Howard et al (1991) |
| BH101 | Fluoranthene | 0.0000063 mg/L | 8.32367E-26 | ✓ | Updated Half Life value to max range after Howard et al (1991) |
| BH101 | Indeno(1,2,3-c,d)pyrene | 0.00000017 mg/L | 1.15851E-21 | ✓ | Updated Half Life value to max range after Howard et al (1991) |
| CPBH212 | Nitrate | 4 mg/L | 0.676564994 | ✓ | Corrected initial Concentration (C0) value to correct order of magnitude (10.07mg/l) |

**Run 2 Results**

| BH | Contaminant | Target Concentration | Concentration of contaminant at compliance point (mg/l) | Result Pass ✓/Fail × | Comments |
|---|---|---|---|---|---|
| RBBH209 | Copper | 0.001 mg/L | 0.000345 | ✓ | Initial concentrations run through M-BAT tool prior to inputting to RTW |
| RBBH210 | Manganese | 0.123 mg/L | 0.0721 | ✓ | |
| BH101 | Free Cyanide | 0.001 mg/L | 1.50E-186 | ✓ | Updated half life to 15 days as per WFD-UKTAG free cyanide in groundwater. Sorokin N, Atkinson C, Aldous E, Rule K, Maycock D and Comber S. (2008). Proposed EQS for Water Framework Directive Annex VIII substances: cyanide (For consultation). Water Framework Directive - United Kingdom Technical Advisory Group (WFD-UKTAG). |
| BH101 | Benzo(a)pyrene | 0.00000017 mg/L | NO IMPACT ON THE RECEPTOR | ✓ | Updated Half Life value to max range after Howard et al (P. H. Howard, R. S. Boethling, W. S. Jarvis, W. M. Meylan and E. M. Michalenko, "Handbook of Environmental Degradation Rates," Lewis, Chelsea, Michigan, 1991.) |
| BH101 | Benzo(b)Flouranthene | 0.00000017 mg/L | NO IMPACT ON THE RECEPTOR | ✓ | Updated Half Life value to max range after Howard et al (1991) |
| BH101 | Benzo(g,h,i)perylene | 0.00000017 mg/L | NO IMPACT ON THE RECEPTOR | ✓ | Updated Half Life value to max range after Howard et al (1991) |
| RBBH206 | Benzo(k)fluoranthene | 0.00000017 mg/L | 3.05458E-17 | ✓ | Updated Half Life value to max range after Howard et al (1991) |
| BH101 | Fluoranthene | 0.0000063 mg/L | 8.32367E-26 | ✓ | Updated Half Life value to max range after Howard et al (1991) |
| BH101 | Indeno(1,2,3-c,d)pyrene | 0.00000017 mg/L | 1.15851E-21 | ✓ | Updated Half Life value to max range after Howard et al (1991) |
| CPBH212 | Nitrate | 4 mg/L | 0.676564994 | ✓ | Corrected initial Concentration (C0) value to correct order of magnitude (10.07mg/l) |

**RTW summary sheet**

| BH ID | Contaminant | Target Concentration (mg/L) | Concentration of contaminant at compliance point | |
|---|---|---|---|---|
| | | | Run 1 | Run 2 |
| RBBH202 | Copper | 0.001 | 0.000576 | |
| RBBH203 | Copper | 0.001 | 0.00109 | NM |
| RBBH205 | Copper | 0.001 | 0.00151 | NM |
| **RBBH206** | **Copper** | **0.001** | **0.000839** | |
| RBBH209 | Copper | 0.001 | 0.00276 | 3.45E-04 |
| RBBH210 | Copper | 0.001 | 0.000739 | |
| BH101 | Copper | 0.001 | 0.0018 | NM |
| RBBH202 | Lead | 0.0012 | 0.000403 | |
| RBBH203 | Lead | 0.0012 | 0.000665 | |
| RBBH205 | Lead | 0.0012 | 0.000562 | |
| RBBH206 | Lead | 0.0012 | 0.000371 | |
| RBBH209 | Lead | 0.0012 | 0.000553 | |
| RBBH210 | Lead | 0.0012 | 0.00048 | |
| BH101 | Lead | 0.0012 | No Impact on Receptor | |
| RBBH202 | Manganese | 0.123 | 0.0257 | |
| RBBH203 | Manganese | 0.123 | 0.0243 | |
| RBBH205 | Manganese | 0.123 | 0.0309 | |
| RBBH206 | Manganese | 0.123 | 0.00938 | |
| RBBH209 | Manganese | 0.123 | 0.186 | NM |
| RBBH210 | Manganese | 0.123 | 0.485 | 7.21E-02 |
| BH101 | Manganese | 0.123 | 0.0119 | |
| RBBH202 | Chromium | 0.0047 | 0.00107 | |
| RBBH203 | Chromium | 0.0047 | 0.00137 | |
| RBBH205 | Chromium | 0.0047 | 0.00152 | |
| RBBH206 | Chromium | 0.0047 | 0.000923 | |
| RBBH209 | Chromium | 0.0047 | 0.00197 | |
| RBBH210 | Chromium | 0.0047 | 0.000923 | |
| BH101 | Chromium | 0.0047 | 0.000283 | |
| CPBH212 | Zinc | 0.0109 | 0.00266 | |
| RBBH202 | Zinc | 0.0109 | 0.000411 | |
| RBBH205 | Zinc | 0.0109 | 0.0041 | |
| RBBH206 | Zinc | 0.0109 | 0.00343 | |
| RBBH209 | Zinc | 0.0109 | 0.00462 | |
| RBBH210 | Zinc | 0.0109 | 0.00308 | |
| BH101 | Zinc | 0.0109 | 0.00779 | |
| RBBH202 | Iron | 1 | 0.161 | |
| RBBH203 | Iron | 1 | 0.147 | |
| RBBH206 | Iron | 1 | 0.141 | |
| RBBH209 | Iron | 1 | 0.279 | |
| RBBH210 | Iron | 1 | 0.138 | |
| BH101 | Iron | 1 | 0.088 | |
| RBBH209 | Nickel | 0.004 | 0.00125 | |
| RBBH210 | Phenol | 0.0077 | 0.00172 | |
| BH101 | Free Cyanide | 0.001 | 0.00131 | 1.95E-226 |
| **RBBH206** | **Aliphatic EC10-EC12** | **0.3** | **0.0306** | |

| BH ID | Contaminant | Target Concentration (mg/L) | Concentration of contaminant at compliance point | |
|---|---|---|---|---|
| | | | Run 1 | Run 2 |
| RBBH206 | Aliphatic EC16-EC35 | 0.3 | 0.168 | |
| BH101 | Benzo(a)pyrene | 0.00000017 | 0.0000021 | No Impact on Receptor |
| RBBH206 | Benzo(b)Flouranthene | 0.00000017 | 0.0000042 | NM |
| BH101 | Benzo(b)Flouranthene | 0.00000017 | 0.00000042 | No Impact on Receptor |
| BH101 | Benzo(g,h,i)perylene | 0.00000017 | 0.00000157 | No Impact on Receptor |
| **RBBH206** | **Benzo(k)fluoranthene** | **0.00000017** | **0.000000699** | **3.05E-17** |
| BH101 | Benzo(k)fluoranthene | 0.00000017 | 0.00000157 | NM |
| RBBH205 | Fluoranthene | 0.0000063 | 0.00000219 | |
| RBBH206 | Fluoranthene | 0.0000063 | 0.00000245 | |
| BH101 | Fluoranthene | 0.0000063 | 0.0000094 | 8.32E-26 |
| BH101 | Indeno(1,2,3-c,d)pyrene | 0.00000017 | 0.00000157 | 1.16E-21 |
| RBBH205 | Chloroform | 0.0025 | 0.000411 | |
| **RBBH206** | **Chloroform** | **0.0025** | **0.00133** | |
| CPBH212 | Nitrate | 4 | 6.77E-01 | |

red — Concentration exceeds target concentration

Concentration re-modelled in run 2

NM — Not measured

**bold** — RBBH206 concentrations modelled in sensitivity analysis