

Groundwater QA/QC Analysis

|             |                   | Sample ID            | BH12         | BH12 DUP     | TRIP BLANK | RPD |
|-------------|-------------------|----------------------|--------------|--------------|------------|-----|
| Report:     | Liquid            | Depth                |              |              |            | %   |
| JE Job No:  | 13/4761           | Sample Type          | Ground Water | Ground Water | Trip Blank |     |
| Client:     | Worley Parsons    | Sampled Date         | 20/05/2013   | 20/05/2013   | 20/05/2013 |     |
| Client ref: | 51603.00          | Sample Received Date | 22/05/2013   | 22/05/2013   | 22/05/2013 |     |
| Location:   | TOTTENHAM MARSHES | J E Sample No        | 64-70        | 71-77        | 78-79      |     |
| Contact     | Philip Harrison   | Batch Number         | 1            | 1            | 1          |     |

| Test                                   | Method    | Units | LOD      |          |          |          |    |
|----------------------------------------|-----------|-------|----------|----------|----------|----------|----|
| Dissolved Arsenic <sup>#</sup>         | TM30/PM14 | mg/l  | <0.0009  | 0.0181   | 0.017    | <0.0009  | 6  |
| Dissolved Cadmium <sup>#</sup>         | TM30/PM14 | mg/l  | <0.00003 | <0.00003 | <0.00003 | <0.00003 |    |
| Total Dissolved Chromium <sup>#</sup>  | TM30/PM14 | mg/l  | <0.0002  | 0.0005   | 0.0005   | <0.0002  | 0  |
| Dissolved Copper <sup>#</sup>          | TM30/PM14 | mg/l  | <0.003   | <0.003   | <0.003   | <0.003   |    |
| Total Dissolved Iron <sup>#</sup>      | TM30/PM14 | mg/l  | <0.0047  | 0.3146   | 0.2404   | <0.0047  | 27 |
| Dissolved Lead <sup>#</sup>            | TM30/PM14 | mg/l  | <0.0004  | 0.022    | 0.0217   | <0.0004  | 1  |
| Dissolved Nickel <sup>#</sup>          | TM30/PM14 | mg/l  | <0.0002  | 0.0193   | 0.0202   | <0.0002  | -5 |
| Dissolved Selenium <sup>#</sup>        | TM30/PM14 | mg/l  | <0.0012  | <0.0012  | <0.0012  | <0.0012  |    |
| Dissolved Zinc <sup>#</sup>            | TM30/PM14 | mg/l  | <0.0015  | 0.0078   | 0.0073   | <0.0015  | 7  |
| Mercury Dissolved by CVAF <sup>#</sup> | TM61/PM38 | mg/l  | <0.00001 | 0.00003  | 0.00002  | <0.00001 | 40 |
| Total Dissolved Sulphur                | TM30/PM14 | mg/l  | <0.01    | 138.8    | 135.9    | 0.02     | 2  |

| PAH MS                             |          |      |           |           |           |           |     |
|------------------------------------|----------|------|-----------|-----------|-----------|-----------|-----|
| Naphthalene <sup>#</sup>           | TM4/PM30 | mg/l | <0.000014 | 0.90838   | 0.94813   | 0.00083   | -4  |
| Acenaphthylene <sup>#</sup>        | TM4/PM30 | mg/l | <0.000013 | 0.08711   | 0.09316   | 0.00004   | -7  |
| Acenaphthene <sup>#</sup>          | TM4/PM30 | mg/l | <0.000013 | 0.01923   | 0.02068   | 0.00007   | -7  |
| Fluorene <sup>#</sup>              | TM4/PM30 | mg/l | <0.000014 | 0.0126    | 0.01454   | 0.00003   | -14 |
| Phenanthrene <sup>#</sup>          | TM4/PM30 | mg/l | <0.000011 | 0.01731   | 0.02147   | 0.00004   | -21 |
| Anthracene <sup>#</sup>            | TM4/PM30 | mg/l | <0.000013 | 0.00145   | 0.00179   | <0.000013 | -21 |
| Fluoranthene <sup>#</sup>          | TM4/PM30 | mg/l | <0.000012 | 0.00042   | 0.00058   | <0.000012 | -32 |
| Pyrene <sup>#</sup>                | TM4/PM30 | mg/l | <0.000013 | 0.00044   | 0.00058   | <0.000013 | -27 |
| Benzo(a)anthracene <sup>#</sup>    | TM4/PM30 | mg/l | <0.000015 | 0.00003   | 0.00002   | <0.000015 | 40  |
| Chrysene <sup>#</sup>              | TM4/PM30 | mg/l | <0.000011 | 0.00002   | 0.00002   | <0.000011 | 0   |
| Benzo(bk)fluoranthene <sup>#</sup> | TM4/PM30 | mg/l | <0.000018 | <0.000018 | <0.000018 | <0.000018 |     |
| Benzo(a)pyrene <sup>#</sup>        | TM4/PM30 | mg/l | <0.000016 | <0.000016 | <0.000016 | <0.000016 |     |
| Indeno(123cd)pyrene <sup>#</sup>   | TM4/PM30 | mg/l | <0.000011 | <0.000011 | <0.000011 | <0.000011 |     |
| Dibenzo(ah)anthracene <sup>#</sup> | TM4/PM30 | mg/l | <0.00001  | <0.00001  | <0.00001  | <0.00001  |     |
| Benzo(ghi)perylene <sup>#</sup>    | TM4/PM30 | mg/l | <0.000011 | <0.000011 | <0.000011 | <0.000011 |     |
| PAH 16 Total <sup>#</sup>          | TM4/PM30 | mg/l | <0.000195 | 1.04699   | 1.10097   | 0.00101   | -5  |
| Benzo(b)fluoranthene               | TM4/PM30 | mg/l | <0.00001  | <0.00001  | <0.00001  | <0.00001  |     |
| Benzo(k)fluoranthene               | TM4/PM30 | mg/l | <0.00001  | <0.00001  | <0.00001  | <0.00001  |     |
| PAH Surrogate % Recovery           | TM4/PM30 | %    | <0        | 120       | 116       | 88        | 3   |

| VOC MS                                    |           |      |         |         |         |         |     |
|-------------------------------------------|-----------|------|---------|---------|---------|---------|-----|
| Dichlorodifluoromethane                   | TM15/PM10 | mg/l | <0.002  | <0.002  | <0.002  | <0.002  |     |
| Methyl Tertiary Butyl Ether <sup>#</sup>  | TM15/PM10 | mg/l | <0.0001 | <0.0001 | <0.0001 | <0.0001 |     |
| Chloromethane <sup>#</sup>                | TM15/PM10 | mg/l | <0.003  | <0.003  | <0.003  | <0.003  |     |
| Vinyl Chloride                            | TM15/PM10 | mg/l | <0.0001 | <0.0001 | <0.0001 | <0.0001 |     |
| Bromomethane                              | TM15/PM10 | mg/l | <0.001  | <0.001  | <0.001  | <0.001  |     |
| Chloroethane <sup>#</sup>                 | TM15/PM10 | mg/l | <0.003  | <0.003  | <0.003  | <0.003  |     |
| Trichlorofluoromethane <sup>#</sup>       | TM15/PM10 | mg/l | <0.003  | <0.003  | <0.003  | <0.003  |     |
| 1,1-Dichloroethene (1,1 DCE) <sup>#</sup> | TM15/PM10 | mg/l | <0.003  | <0.003  | <0.003  | <0.003  |     |
| Dichloromethane (DCM) <sup>#</sup>        | TM15/PM10 | mg/l | <0.003  | <0.003  | <0.003  | <0.003  |     |
| trans-1-2-Dichloroethene <sup>#</sup>     | TM15/PM10 | mg/l | <0.003  | <0.003  | <0.003  | <0.003  |     |
| 1,1-Dichloroethane <sup>#</sup>           | TM15/PM10 | mg/l | <0.003  | <0.003  | <0.003  | <0.003  |     |
| cis-1-2-Dichloroethene <sup>#</sup>       | TM15/PM10 | mg/l | <0.003  | <0.003  | <0.003  | <0.003  |     |
| 2,2-Dichloropropane                       | TM15/PM10 | mg/l | <0.001  | <0.001  | <0.001  | <0.001  |     |
| Bromochloromethane <sup>#</sup>           | TM15/PM10 | mg/l | <0.002  | <0.002  | <0.002  | <0.002  |     |
| Chloroform <sup>#</sup>                   | TM15/PM10 | mg/l | <0.002  | <0.002  | <0.002  | <0.002  |     |
| 1,1,1-Trichloroethane <sup>#</sup>        | TM15/PM10 | mg/l | <0.002  | <0.002  | <0.002  | <0.002  |     |
| 1,1-Dichloropropene <sup>#</sup>          | TM15/PM10 | mg/l | <0.003  | <0.003  | <0.003  | <0.003  |     |
| Carbon tetrachloride <sup>#</sup>         | TM15/PM10 | mg/l | <0.002  | <0.002  | <0.002  | <0.002  |     |
| 1,2-Dichloroethane <sup>#</sup>           | TM15/PM10 | mg/l | <0.002  | <0.002  | <0.002  | <0.002  |     |
| Benzene <sup>#</sup>                      | TM15/PM10 | mg/l | <0.0005 | 6.0336  | 4.9479  | <0.0005 | 20  |
| Trichloroethene (TCE) <sup>#</sup>        | TM15/PM10 | mg/l | <0.003  | <0.003  | <0.003  | <0.003  |     |
| 1,2-Dichloropropane <sup>#</sup>          | TM15/PM10 | mg/l | <0.002  | <0.002  | <0.002  | <0.002  |     |
| Dibromomethane <sup>#</sup>               | TM15/PM10 | mg/l | <0.003  | <0.003  | <0.003  | <0.003  |     |
| Bromodichloromethane <sup>#</sup>         | TM15/PM10 | mg/l | <0.002  | <0.002  | <0.002  | <0.002  |     |
| cis-1-3-Dichloropropene                   | TM15/PM10 | mg/l | <0.002  | <0.002  | <0.002  | <0.002  |     |
| Toluene <sup>#</sup>                      | TM15/PM10 | mg/l | <0.0005 | 0.8963  | 0.764   | <0.0005 | 16  |
| trans-1-3-Dichloropropene                 | TM15/PM10 | mg/l | <0.002  | <0.002  | <0.002  | <0.002  |     |
| 1,1,2-Trichloroethane <sup>#</sup>        | TM15/PM10 | mg/l | <0.002  | <0.002  | <0.002  | <0.002  |     |
| Tetrachloroethene (PCE) <sup>#</sup>      | TM15/PM10 | mg/l | <0.003  | <0.003  | <0.003  | <0.003  |     |
| 1,3-Dichloropropane <sup>#</sup>          | TM15/PM10 | mg/l | <0.002  | <0.002  | <0.002  | <0.002  |     |
| Dibromochloromethane <sup>#</sup>         | TM15/PM10 | mg/l | <0.002  | <0.002  | <0.002  | <0.002  |     |
| 1,2-Dibromoethane <sup>#</sup>            | TM15/PM10 | mg/l | <0.002  | <0.002  | <0.002  | <0.002  |     |
| Chlorobenzene <sup>#</sup>                | TM15/PM10 | mg/l | <0.002  | 0.144   | 0.15    | <0.002  | -4  |
| 1,1,1,2-Tetrachloroethane <sup>#</sup>    | TM15/PM10 | mg/l | <0.002  | <0.002  | <0.002  | <0.002  |     |
| Ethylbenzene <sup>#</sup>                 | TM15/PM10 | mg/l | <0.0005 | 0.3296  | 0.3252  | <0.0005 | 1   |
| p/m-Xylene <sup>#</sup>                   | TM15/PM10 | mg/l | <0.001  | 0.603   | 0.527   | <0.001  | 13  |
| o-Xylene <sup>#</sup>                     | TM15/PM10 | mg/l | <0.0005 | 0.3748  | 0.3304  | <0.0005 | 13  |
| Styrene                                   | TM15/PM10 | mg/l | <0.002  | 0.206   | 0.171   | <0.002  | 19  |
| Bromoform <sup>#</sup>                    | TM15/PM10 | mg/l | <0.002  | <0.002  | <0.002  | <0.002  |     |
| Isopropylbenzene <sup>#</sup>             | TM15/PM10 | mg/l | <0.003  | 0.016   | 0.017   | <0.003  | -6  |
| 1,1,2,2-Tetrachloroethane                 | TM15/PM10 | mg/l | <0.004  | <0.004  | <0.004  | <0.004  |     |
| Bromobenzene <sup>#</sup>                 | TM15/PM10 | mg/l | <0.002  | <0.002  | <0.002  | <0.002  |     |
| 1,2,3-Trichloropropane <sup>#</sup>       | TM15/PM10 | mg/l | <0.003  | <0.003  | <0.003  | <0.003  |     |
| Propylbenzene <sup>#</sup>                | TM15/PM10 | mg/l | <0.003  | 0.022   | 0.026   | <0.003  | -17 |
| 2-Chlorotoluene <sup>#</sup>              | TM15/PM10 | mg/l | <0.003  | <0.003  | <0.003  | <0.003  |     |
| 1,3,5-Trimethylbenzene <sup>#</sup>       | TM15/PM10 | mg/l | <0.003  | 0.038   | 0.036   | <0.003  | 5   |
| 4-Chlorotoluene <sup>#</sup>              | TM15/PM10 | mg/l | <0.003  | <0.003  | <0.003  | <0.003  |     |
| tert-Butylbenzene <sup>#</sup>            | TM15/PM10 | mg/l | <0.003  | <0.003  | <0.003  | <0.003  |     |
| 1,2,4-Trimethylbenzene <sup>#</sup>       | TM15/PM10 | mg/l | <0.003  | 0.157   | 0.161   | <0.003  | -3  |
| sec-Butylbenzene <sup>#</sup>             | TM15/PM10 | mg/l | <0.003  | <0.003  | <0.003  | <0.003  |     |
| 4-Isopropyltoluene <sup>#</sup>           | TM15/PM10 | mg/l | <0.003  | <0.003  | <0.003  | <0.003  |     |
| 1,3-Dichlorobenzene <sup>#</sup>          | TM15/PM10 | mg/l | <0.003  | <0.003  | <0.003  | <0.003  |     |
| 1,4-Dichlorobenzene <sup>#</sup>          | TM15/PM10 | mg/l | <0.003  | 0.027   | 0.029   | <0.003  | -7  |
| n-Butylbenzene <sup>#</sup>               | TM15/PM10 | mg/l | <0.003  | <0.003  | <0.003  | <0.003  |     |
| 1,2-Dichlorobenzene <sup>#</sup>          | TM15/PM10 | mg/l | <0.003  | 0.02    | 0.021   | <0.003  | -5  |
| 1,2-Dibromo-3-chloropropane               | TM15/PM10 | mg/l | <0.002  | <0.002  | <0.002  | <0.002  |     |
| 1,2,4-Trichlorobenzene                    | TM15/PM10 | mg/l | <0.003  | <0.003  | <0.003  | <0.003  |     |
| Hexachlorobutadiene                       | TM15/PM10 | mg/l | <0.003  | <0.003  | <0.003  | <0.003  |     |
| Naphthalene                               | TM15/PM10 | mg/l | <0.002  | 0.665   | 0.612   | <0.002  | 8   |
| 1,2,3-Trichlorobenzene                    | TM15/PM10 | mg/l | <0.003  | <0.003  | <0.003  | <0.003  |     |
| Surrogate Recovery Toluene D8             | TM15/PM10 | %    | <0      | 106     | 108     | 104     | -2  |
| Surrogate Recovery 4-Bromofluorobenzene   | TM15/PM10 | %    | <0      | 119     | 118     | 113     | 1   |

|                                          |           |      |         |         |         |         |    |
|------------------------------------------|-----------|------|---------|---------|---------|---------|----|
| Methyl Tertiary Butyl Ether <sup>#</sup> | TM15/PM10 | mg/l | <0.0001 | <0.0001 | <0.0001 | <0.0001 |    |
| Benzene <sup>#</sup>                     | TM15/PM10 | mg/l | <0.0005 | 6.0336  | 4.9479  | <0.0005 | 20 |
| Toluene <sup>#</sup>                     | TM15/PM10 | mg/l | <0.0005 | 0.8963  | 0.764   | <0.0005 | 16 |
| Ethylbenzene <sup>#</sup>                | TM15/PM10 | mg/l | <0.0005 | 0.3296  | 0.3252  | <0.0005 | 1  |
| p/m-Xylene <sup>#</sup>                  | TM15/PM10 | mg/l | <0.001  | 0.603   | 0.527   | <0.001  | 13 |
| o-Xylene <sup>#</sup>                    | TM15/PM10 | mg/l | <0.0005 | 0.3748  | 0.3304  | <0.0005 | 13 |
| Surrogate Recovery Toluene D8            | TM15/PM10 | %    | <0      | 106     | 108     | 104     | -2 |
| Surrogate Recovery 4-Bromofluorobenzene  | TM15/PM10 | %    | <0      | 119     | 118     | 113     | 1  |

|                           |          |      |       |       |       |       |    |
|---------------------------|----------|------|-------|-------|-------|-------|----|
| EPH (C8-C40) <sup>#</sup> | TM5/PM30 | mg/l | <0.01 | 18.56 | 19.65 | <0.01 | -6 |
|---------------------------|----------|------|-------|-------|-------|-------|----|

Groundwater QA/QC Analysis

| Report:     | Liquid            | Sample ID            | BH12         | BH12 DUP     | TRIP BLANK | RPD |
|-------------|-------------------|----------------------|--------------|--------------|------------|-----|
|             |                   | Depth                |              |              |            | %   |
|             |                   | Sample Type          | Ground Water | Ground Water | Trip Blank |     |
|             |                   | Sampled Date         | 20/05/2013   | 20/05/2013   | 20/05/2013 |     |
| JE Job No:  | 13/4761           | Sample Received Date | 22/05/2013   | 22/05/2013   | 22/05/2013 |     |
| Client:     | Worley Parsons    | J E Sample No        | 64-70        | 71-77        | 78-79      |     |
| Client ref: | 51603.00          | Batch Number         | 1            | 1            | 1          |     |
| Location:   | TOTTENHAM MARSHES |                      |              |              |            |     |
| Contact     | Philip Harrison   |                      |              |              |            |     |

| Test                                               | Method        | Units    | LOD     |         |         |         |     |
|----------------------------------------------------|---------------|----------|---------|---------|---------|---------|-----|
| TPH CWG                                            |               |          |         |         |         |         |     |
| Aliphatics                                         |               |          |         |         |         |         |     |
| >C5-C6 <sup>#</sup>                                | TM36/PM12     | mg/l     | <0.005  | 0.837   | 0.923   | <0.005  | -10 |
| >C6-C8 <sup>#</sup>                                | TM36/PM12     | mg/l     | <0.005  | <0.005  | <0.005  | <0.005  |     |
| >C8-C10 <sup>#</sup>                               | TM36/PM12     | mg/l     | <0.005  | 1.772   | 1.6     | <0.005  | 10  |
| >C10-C12 <sup>#</sup>                              | TM5/PM30      | mg/l     | <0.005  | <0.005  | <0.005  | <0.005  |     |
| >C12-C16 <sup>#</sup>                              | TM5/PM30      | mg/l     | <0.01   | <0.01   | <0.01   | <0.01   |     |
| >C16-C21 <sup>#</sup>                              | TM5/PM30      | mg/l     | <0.01   | <0.01   | <0.01   | <0.01   |     |
| >C21-C35 <sup>#</sup>                              | TM5/PM30      | mg/l     | <0.01   | <0.01   | <0.01   | <0.01   |     |
| Total aliphatics C5-35 <sup>#</sup>                | TM5/TM36/PM30 | mg/l     | <0.01   | 2.61    | 2.52    | <0.01   | 4   |
| Total aliphatics C5-C12 <sup>#</sup>               | TM5/TM36/PM30 | mg/l     | <0.01   | 2.61    | 2.52    | <0.01   | 4   |
| Total aliphatics >C12-C35 <sup>#</sup>             | TM5/TM36/PM30 | mg/l     | <0.01   | <0.01   | <0.01   | <0.01   |     |
| Aromatics                                          |               |          |         |         |         |         |     |
| >C5-EC7 <sup>#</sup>                               | TM36/PM12     | mg/l     | <0.005  | 11.108  | 10.622  | <0.005  | 4   |
| >EC7-EC8 <sup>#</sup>                              | TM36/PM12     | mg/l     | <0.005  | 0.798   | 0.685   | <0.005  | 15  |
| >EC8-EC10 <sup>#</sup>                             | TM36/PM12     | mg/l     | <0.005  | 1.309   | 1.195   | <0.005  | 9   |
| >EC10-EC12 <sup>#</sup>                            | TM5/PM30      | mg/l     | <0.005  | 1.205   | 1.234   | <0.005  | -2  |
| >EC12-EC16 <sup>#</sup>                            | TM5/PM30      | mg/l     | <0.01   | 0.79    | 0.85    | <0.01   | -7  |
| >EC16-EC21 <sup>#</sup>                            | TM5/PM30      | mg/l     | <0.01   | 0.04    | 0.05    | <0.01   | -22 |
| >EC21-EC35 <sup>#</sup>                            | TM5/PM30      | mg/l     | <0.01   | <0.01   | <0.01   | <0.01   |     |
| Total aromatics C5-35 <sup>#</sup>                 | TM5/PM30      | mg/l     | <0.01   | 15.25   | 14.64   | <0.01   | 4   |
| Total aromatics C6-C12                             | TM5/TM36/PM30 | mg/l     | <0.01   | 14.42   | 13.74   | <0.01   | 5   |
| Total aromatics >EC12-EC35 <sup>#</sup>            | TM5/TM36/PM30 | mg/l     | <0.01   | 0.83    | 0.9     | <0.01   | -8  |
| Total aliphatics and aromatics(C5-35) <sup>#</sup> | TM5/TM36/PM30 | mg/l     | <0.01   | 17.86   | 17.16   | <0.01   | 4   |
|                                                    |               |          |         |         |         |         |     |
| Resorcinol                                         | TM26/PM0      | mg/l     | <0.0005 | <0.0005 | <0.0005 | <0.0005 |     |
| Catechol                                           | TM26/PM0      | mg/l     | <0.0005 | <0.0005 | <0.0005 | <0.0005 |     |
| Phenol                                             | TM26/PM0      | mg/l     | <0.0005 | 0.1311  | 0.1307  | <0.0005 | 0   |
| m/p-cresol                                         | TM26/PM0      | mg/l     | <0.0005 | 0.0194  | 0.0193  | <0.0005 | 1   |
| o-cresol                                           | TM26/PM0      | mg/l     | <0.0005 | 0.0251  | 0.0278  | <0.0005 | -10 |
| Total cresols                                      | TM26/PM0      | mg/l     | <0.0005 | 0.0445  | 0.0471  | <0.0005 | -6  |
| Xylenols                                           | TM26/PM0      | mg/l     | <0.0005 | 0.4461  | 0.4889  | <0.0005 | -9  |
| 1-naphthol                                         | TM26/PM0      | mg/l     | <0.0005 | <0.0005 | 0.0528  | <0.0005 |     |
| 2,3,5-trimethyl phenol                             | TM26/PM0      | mg/l     | <0.0005 | <0.0005 | <0.0005 | <0.0005 |     |
| 2-isopropylphenol                                  | TM26/PM0      | mg/l     | <0.0005 | 0.0323  | <0.0005 | <0.0005 |     |
| Total Speciated Phenols HPLC                       | TM26/PM0      | mg/l     | <0.005  | 0.654   | 0.72    | <0.005  | -10 |
|                                                    |               |          |         |         |         |         |     |
| Sulphate <sup>#</sup>                              | TM38/PM0      | mg/l     | <0.05   | 371.26  | 370.11  | 2.79    | 0   |
| Chloride <sup>#</sup>                              | TM38/PM0      | mg/l     | <0.3    | 273.6   | 263.6   | <0.3    | 4   |
|                                                    |               |          |         |         |         |         |     |
| Free Cyanide <sup>#</sup>                          | TM89/PM0      | mg/l     | <0.005  | <0.005  | <0.005  | <0.005  |     |
| Total Cyanide                                      | TM89/PM0      | mg/l     | <0.005  | 0.283   | 0.308   | <0.005  | -8  |
| Complex Cyanide                                    | TM89/PM0      | mg/l     | <0.01   | 0.28    | 0.31    | <0.01   | -10 |
|                                                    |               |          |         |         |         |         |     |
| Ammoniacal Nitrogen as NH4 <sup>#</sup>            | TM38/PM0      | mg/l     | <0.03   | 31.94   | 31.52   | <0.03   | 1   |
|                                                    |               |          |         |         |         |         |     |
| Sulphide                                           | TM106/PM0     | mg/l     | <0.3    | <0.3    | <0.3    | <0.3    |     |
| Thiocyanate                                        | TM107/PM0     | mg/l     | <0.02   | 0.45    | 0.48    | <0.02   | -6  |
|                                                    |               |          |         |         |         |         |     |
| Dissolved Organic Carbon <sup>#</sup>              | TM60/PM0      | mg/l     | <2      | 82      | 44      | <2      | 60  |
| Electrical Conductivity @25C <sup>#</sup>          | TM76/PM0      | uS/cm    | <2      | 2905    | 2849    | 17      | 2   |
| pH <sup>#</sup>                                    | TM73/PM0      | pH units | <0.01   | 6.93    | 6.98    | 6.94    | -1  |
| Total Suspended Solids <sup>#</sup>                | TM37/PM0      | mg/l     | <10     | 38      | 45      | <10     | -17 |

Soil QA/QC Analysis

|             |                       | Sample ID            | BH6        | BH6 DUP    | RPD | BH8        | BH8 DUP    | RPD | BH12       | BH12 DUP   | RPD |
|-------------|-----------------------|----------------------|------------|------------|-----|------------|------------|-----|------------|------------|-----|
| Report:     | Solid                 | Depth                | 3.8-4.0    | 3.8-4.0    | %   | 2.5-2.7    | 2.5-2.7    | %   | 8.0-8.2    | 8.0-8.2    | %   |
| JE Job No:  |                       | Sample Type          | Soil       | Soil       |     | Soil       | Soil       |     | Soil       | Soil       |     |
| Client:     | Worley Parsons        | Sampled Date         | 01/05/2013 | 01/05/2013 |     | 09/05/2013 | 09/05/2013 |     | 25/04/2013 | 25/04/2013 |     |
| Client ref: | 305008-00018 51603-00 | Sample Received Date | 04/05/2013 | 04/05/2013 |     | 11/05/2013 | 11/05/2013 |     | 27/04/2013 | 27/04/2013 |     |
| Location:   | TOTTENHAM MARSH       | J E Sample No        | 7-9        | 13-15      |     | 13-15      | 25-27      |     | 19-21      | 22-24      |     |
| Contact     | Philip Harrison       | Batch Number         | 1          | 1          |     | 1          | 1          |     | 1          | 1          |     |

| Test                             | Method    | Units | LOD  |      |      |     |      |      |     |      |      |      |
|----------------------------------|-----------|-------|------|------|------|-----|------|------|-----|------|------|------|
| Arsenic <sup>#</sup>             | TM30/PM15 | mg/kg | <0.5 | 7.5  | 9.6  | -25 | 90   | 68   | 28  | 9.6  | 7.7  | 22   |
| Cadmium <sup>#</sup>             | TM30/PM15 | mg/kg | <0.1 | 0.2  | 0.2  | 0   | 0.9  | 0.7  | 25  | <0.1 | <0.1 |      |
| Chromium <sup>#</sup>            | TM30/PM15 | mg/kg | <0.5 | 43.6 | 17.4 | 86  | 29.5 | 28.8 | 2   | 36.3 | 38.7 | -6   |
| Copper <sup>#</sup>              | TM30/PM15 | mg/kg | <1   | 32   | 50   | -44 | 8    | 10   | -22 | 25   | 25   | 0    |
| Lead <sup>#</sup>                | TM30/PM15 | mg/kg | <5   | 20   | 50   | -86 | 8    | 8    | 0   | 9    | 10   | -11  |
| Mercury <sup>#</sup>             | TM30/PM15 | mg/kg | <0.1 | <0.1 | <0.1 |     | <0.1 | <0.1 |     | <0.1 | 0.1  |      |
| Nickel <sup>#</sup>              | TM30/PM15 | mg/kg | <0.7 | 21.3 | 23.4 | -9  | 46.7 | 38.8 | 18  | 33.6 | 29   | 15   |
| Selenium <sup>#</sup>            | TM30/PM15 | mg/kg | <1   | <1   | <1   |     | 10   | 9    | 11  | <1   | <1   |      |
| Total Sulphate <sup>#</sup>      | TM50/PM15 | mg/kg | <50  | -    | -    |     | -    | -    |     | -    | -    |      |
| Water Soluble Boron <sup>#</sup> | TM74/PM32 | mg/kg | <0.1 | 3.3  | 3.8  | -14 | 15.3 | 13.5 | 13  | 0.4  | 1.3  | -106 |
| Zinc <sup>#</sup>                | TM30/PM15 | mg/kg | <5   | 79   | 144  | -58 | 57   | 60   | -5  | 64   | 62   | 3    |

|                                          |           |       |        |        |        |     |        |        |      |        |        |     |
|------------------------------------------|-----------|-------|--------|--------|--------|-----|--------|--------|------|--------|--------|-----|
| PAH MS                                   |           |       |        |        |        |     |        |        |      |        |        |     |
| Naphthalene <sup>#</sup>                 | TM4/PM8   | mg/kg | <0.04  | <0.04  | <0.04  |     | 0.07   | <0.04  |      | 0.89   | 0.63   | 34  |
| Acenaphthylene                           | TM4/PM8   | mg/kg | <0.03  | 0.05   | <0.03  |     | 0.44   | 1.49   | -109 | 0.04   | 0.08   | -67 |
| Acenaphthene <sup>#</sup>                | TM4/PM8   | mg/kg | <0.05  | <0.05  | <0.05  |     | 2.1    | 4.44   | -72  | <0.05  | <0.05  |     |
| Fluorene <sup>#</sup>                    | TM4/PM8   | mg/kg | <0.04  | 0.06   | <0.04  |     | 1.08   | 2.43   | -77  | <0.04  | 0.07   |     |
| Phenanthrene <sup>#</sup>                | TM4/PM8   | mg/kg | <0.03  | 0.53   | 0.2    | 90  | 0.99   | 2.95   | -99  | 0.06   | 0.14   | -80 |
| Anthracene <sup>#</sup>                  | TM4/PM8   | mg/kg | <0.04  | 0.2    | 0.05   | 120 | 0.56   | 1.6    | -96  | <0.04  | <0.04  |     |
| Fluoranthene <sup>#</sup>                | TM4/PM8   | mg/kg | <0.03  | 0.94   | 0.39   | 83  | 1.15   | 3.45   | -100 | <0.03  | 0.05   |     |
| Pyrene <sup>#</sup>                      | TM4/PM8   | mg/kg | <0.03  | 0.77   | 0.3    | 88  | 1.41   | 4.32   | -102 | 0.04   | 0.06   | -40 |
| Benzo(a)anthracene <sup>#</sup>          | TM4/PM8   | mg/kg | <0.06  | 0.41   | 0.24   | 52  | 0.55   | 1.53   | -94  | <0.06  | <0.06  |     |
| Chrysene <sup>#</sup>                    | TM4/PM8   | mg/kg | <0.02  | 0.43   | 0.19   | 77  | 0.46   | 1.47   | -105 | <0.02  | 0.04   |     |
| Benzo(bk)fluoranthene <sup>#</sup>       | TM4/PM8   | mg/kg | <0.07  | 0.56   | 0.26   | 73  | 0.46   | 1.74   | -116 | <0.07  | <0.07  |     |
| Benzo(a)pyrene <sup>#</sup>              | TM4/PM8   | mg/kg | <0.04  | 0.33   | 0.15   | 75  | 0.39   | 1.3    | -108 | <0.04  | <0.04  |     |
| Indeno(123cd)pyrene <sup>#</sup>         | TM4/PM8   | mg/kg | <0.04  | 0.21   | 0.1    | 71  | 0.19   | 0.69   | -114 | <0.04  | <0.04  |     |
| Dibenzo(ah)anthracene <sup>#</sup>       | TM4/PM8   | mg/kg | <0.04  | <0.04  | <0.04  |     | <0.04  | 0.16   |      | <0.04  | <0.04  |     |
| Benzo(ghi)perylene <sup>#</sup>          | TM4/PM8   | mg/kg | <0.04  | 0.2    | 0.1    | 67  | 0.18   | 0.6    | -108 | <0.04  | <0.04  |     |
| PAH 16 Total                             | TM4/PM8   | mg/kg | <0.6   | 4.7    | 2      | 81  | 10     | 28.2   | -95  | 1      | 1.1    | -10 |
| Benzo(b)fluoranthene                     | TM4/PM8   | mg/kg | <0.05  | 0.4    | 0.19   | 71  | 0.33   | 1.25   | -116 | <0.05  | <0.05  |     |
| Benzo(k)fluoranthene                     | TM4/PM8   | mg/kg | <0.02  | 0.16   | 0.07   | 78  | 0.13   | 0.49   | -116 | <0.02  | <0.02  |     |
| PAH Surrogate % Recovery                 | TM4/PM8   | %     | <0     | 111    | 107    | 4   | 97     | 112    | -14  | 108    | 101    | 7   |
|                                          |           |       |        |        |        |     |        |        |      |        |        |     |
| Methyl Tertiary Butyl Ether <sup>#</sup> | TM15/PM10 | mg/kg | <0.002 | <0.002 | <0.002 |     | <0.002 | <0.002 |      | <0.002 | <0.002 |     |
| Benzene <sup>#</sup>                     | TM15/PM10 | mg/kg | <0.003 | <0.003 | <0.003 |     | 0.109  | 0.112  | -3   | 0.071  | 0.058  | 20  |
| Toluene <sup>#</sup>                     | TM15/PM10 | mg/kg | <0.003 | <0.003 | <0.003 |     | 0.007  | 0.014  | -67  | 0.012  | 0.006  | 67  |
| Ethylbenzene <sup>#</sup>                | TM15/PM10 | mg/kg | <0.003 | <0.003 | <0.003 |     | 0.028  | 0.023  | 20   | 0.011  | 0.004  | 93  |
| p/m-Xylene <sup>#</sup>                  | TM15/PM10 | mg/kg | <0.006 | <0.006 | <0.006 |     | 0.069  | 0.075  | -8   | 0.011  | <0.006 |     |
| o-Xylene <sup>#</sup>                    | TM15/PM10 | mg/kg | <0.003 | <0.003 | <0.003 |     | 0.028  | 0.025  | 11   | 0.006  | <0.003 |     |
| Surrogate Recovery Toluene D8            | TM15/PM10 | %     | <0     | 114    | 113    | 1   | 87     | 89     | -2   | 111    | 112    | -1  |
| Surrogate Recovery 4-Bromofluorobenzene  | TM15/PM10 | %     | <0     | 100    | 110    | -10 | 70     | 72     | -3   | 147    | 145    | 1   |

|                           |         |       |     |    |    |    |      |      |     |     |     |  |
|---------------------------|---------|-------|-----|----|----|----|------|------|-----|-----|-----|--|
| EPH (C8-C40) <sup>#</sup> | TM5/PM8 | mg/kg | <30 | 50 | 53 | -6 | 2829 | 3634 | -25 | 119 | <30 |  |
|---------------------------|---------|-------|-----|----|----|----|------|------|-----|-----|-----|--|

TPH CWG

|                                         |                    |       |       |       |       |  |       |       |  |       |       |  |
|-----------------------------------------|--------------------|-------|-------|-------|-------|--|-------|-------|--|-------|-------|--|
| Aliphatics                              |                    |       |       |       |       |  |       |       |  |       |       |  |
| >C5-C6 <sup>#</sup>                     | TM36/PM12          | mg/kg | <0.1  | -     | -     |  | -     | -     |  | -     | -     |  |
| >C6-C8 <sup>#</sup>                     | TM36/PM12          | mg/kg | <0.1  | -     | -     |  | -     | -     |  | -     | -     |  |
| >C8-C10                                 | TM36/PM12          | mg/kg | <0.1  | -     | -     |  | -     | -     |  | -     | -     |  |
| >C10-C12 <sup>#</sup>                   | TM5/PM16           | mg/kg | <0.2  | -     | -     |  | -     | -     |  | -     | -     |  |
| >C12-C16 <sup>#</sup>                   | TM5/PM16           | mg/kg | <4    | -     | -     |  | -     | -     |  | -     | -     |  |
| >C16-C21 <sup>#</sup>                   | TM5/PM16           | mg/kg | <7    | -     | -     |  | -     | -     |  | -     | -     |  |
| >C21-C35 <sup>#</sup>                   | TM5/PM16           | mg/kg | <7    | -     | -     |  | -     | -     |  | -     | -     |  |
| Total aliphatics C5-35                  | TM5/TM36/PM12/PM16 | mg/kg | <19   | -     | -     |  | -     | -     |  | -     | -     |  |
| Total aliphatics C5-C12                 | TM5/TM36/PM12/PM16 | mg/kg | <0.5  | -     | -     |  | -     | -     |  | -     | -     |  |
| Total aliphatics >C12-C35 <sup>#</sup>  | TM5/TM36/PM12/PM16 | mg/kg | <18   | -     | -     |  | -     | -     |  | -     | -     |  |
| Aromatics                               |                    |       |       |       |       |  |       |       |  |       |       |  |
| >C5-EC7                                 | TM36/PM12          | mg/kg | <0.1  | -     | -     |  | -     | -     |  | -     | -     |  |
| >EC7-EC8                                | TM36/PM12          | mg/kg | <0.1  | -     | -     |  | -     | -     |  | -     | -     |  |
| >EC8-EC10 <sup>#</sup>                  | TM36/PM12          | mg/kg | <0.1  | -     | -     |  | -     | -     |  | -     | -     |  |
| >EC10-EC12 <sup>#</sup>                 | TM5/PM16           | mg/kg | <0.2  | -     | -     |  | -     | -     |  | -     | -     |  |
| >EC12-EC16 <sup>#</sup>                 | TM5/PM16           | mg/kg | <4    | -     | -     |  | -     | -     |  | -     | -     |  |
| >EC16-EC21 <sup>#</sup>                 | TM5/PM16           | mg/kg | <7    | -     | -     |  | -     | -     |  | -     | -     |  |
| >EC21-EC35 <sup>#</sup>                 | TM5/PM16           | mg/kg | <7    | -     | -     |  | -     | -     |  | -     | -     |  |
| Total aromatics C5-35                   | TM5/TM36/PM12/PM16 | mg/kg | <19   | -     | -     |  | -     | -     |  | -     | -     |  |
| Total aromatics C5-C12                  | TM5/TM36/PM12/PM16 | mg/kg | <0.5  | -     | -     |  | -     | -     |  | -     | -     |  |
| Total aromatics >EC12-EC35 <sup>#</sup> | TM5/TM36/PM12/PM16 | mg/kg | <18   | -     | -     |  | -     | -     |  | -     | -     |  |
| Total aliphatics and aromatics(C5-35)   | TM5/TM36/PM12/PM16 | mg/kg | <38   | -     | -     |  | -     | -     |  | -     | -     |  |
|                                         |                    |       |       |       |       |  |       |       |  |       |       |  |
| Resorcinol                              | TM26/PM21          | mg/kg | <0.01 | <0.10 | <0.01 |  | <0.10 | <0.20 |  | <0.10 | <0.01 |  |
| Catechol                                | TM26/PM21          | mg/kg | <0.01 | <0.10 | <0.01 |  | <0.10 | <0.20 |  | <0.10 | <0.01 |  |
| Phenol <sup>#</sup>                     | TM26/PM21          | mg/kg | <0.01 | <0.10 | <0.01 |  | <0.10 | <0.20 |  | 2     | <0.01 |  |
| m/p-cresol <sup>#</sup>                 | TM26/PM21          | mg/kg | <0.02 | <0.20 | <0.02 |  | <0.20 | <0.40 |  | 0.69  | <0.02 |  |
| o-cresol <sup>#</sup>                   | TM26/PM21          | mg/kg | <0.01 | <0.10 | <0.01 |  | <0.10 | <0.20 |  | 2.8   | <0.01 |  |
| Total cresols <sup>#</sup>              | TM26/PM21          | mg/kg | <0.03 | <0.30 | <0.03 |  | <0.30 | <0.60 |  | 3.49  | <0.03 |  |
| Xylenols <sup>#</sup>                   | TM26/PM21          | mg/kg | <0.06 | <0.60 | <0.06 |  | <0.60 | <1.20 |  | 14.5  | <0.06 |  |
| 1-naphthol                              | TM26/PM21          | mg/kg | <0.01 | <0.10 | <0.01 |  | <0.10 | <0.20 |  | <0.10 | <0.01 |  |
| 2,3,5-trimethyl phenol <sup>#</sup>     | TM26/PM21          | mg/kg | <0.01 | <0.10 | <0.01 |  | <0.10 | <0.20 |  | 0.2   | <0.01 |  |
| 2-isopropylphenol <sup>#</sup>          | TM26/PM21          | mg/kg | <0.01 | <0.10 | <0.01 |  | <0.10 | <0.20 |  | 1.54  | <0.01 |  |
| Total Speciated Phenols HPLC            | TM26/PM21          | mg/kg | <0.15 | <1.50 | <0.15 |  | <1.50 | <3.00 |  | 21.73 | <0.15 |  |

|                          |         |   |      |      |      |    |      |      |    |      |      |   |
|--------------------------|---------|---|------|------|------|----|------|------|----|------|------|---|
| Natural Moisture Content | PM4/PM0 | % | <0.1 | 23.9 | 25.7 | -7 | 76.4 | 77.7 | -2 | 20.5 | 20.2 | 1 |
| Stone Content >= 10mm    | PM4/PM0 | % | <0.1 | <0.1 | <0.1 |    | 0.1  | <0.1 |    | <0.1 | <0.1 |   |

|                                        |           |       |         |        |        |     |        |        |    |        |        |    |
|----------------------------------------|-----------|-------|---------|--------|--------|-----|--------|--------|----|--------|--------|----|
| Ammoniacal Nitrogen as NH4             | TM38/PM20 | mg/kg | <0.6    | 30.6   | 33.8   | -10 | 7.4    | 8      | -8 | 3.3    | 3.6    | -9 |
| Chloride <sup>#</sup>                  | TM38/PM20 | mg/kg | <2      | 24     | 26     | -8  | 783    | 511    | 42 | 103    | 99     | 4  |
| Sulphate as SO4 (2:1 Ext) <sup>#</sup> | TM38/PM20 | g/l   | <0.0015 | 0.4292 | 0.4349 | -1  | 1.3927 | 1.2056 | 14 | 0.0981 | 0.0661 | 39 |

|                            |           |       |      |      |      |  |      |      |    |      |      |  |
|----------------------------|-----------|-------|------|------|------|--|------|------|----|------|------|--|
| Free Cyanide               | TM89/PM45 | mg/kg | <0.5 | <0.5 | <0.5 |  | <0.5 | <0.5 |    | <0.5 | <0.5 |  |
| Total Cyanide <sup>#</sup> | TM89/PM45 | mg/kg | <0.5 | <0.5 | <0.5 |  | 2.3  | 2.5  | -8 | <0.5 | <0.5 |  |
| Complex Cyanide            | TM89/PM45 | mg/kg | <0.5 | <0.5 | <0.5 |  | 2.3  | 2.5  | -8 | <0.5 | <0.5 |  |

|                         |           |      |        |       |       |     |       |       |    |   |   |  |
|-------------------------|-----------|------|--------|-------|-------|-----|-------|-------|----|---|---|--|
| Fraction Organic Carbon | TM21/PM24 | None | <0.001 | 0.004 | 0.008 | -67 | 0.223 | 0.177 | 23 | - | - |  |
|-------------------------|-----------|------|--------|-------|-------|-----|-------|-------|----|---|---|--|

|             |            |       |      |   |   |   |     |     |    |     |     |    |
|-------------|------------|-------|------|---|---|---|-----|-----|----|-----|-----|----|
| Thiocyanate | TM107/PM45 | mg/kg | <0.6 | 2 | 2 | 0 | 3.4 | 3.6 | -6 | 1.8 | 1.9 | -5 |
|-------------|------------|-------|------|---|---|---|-----|-----|----|-----|-----|----|

|                               |           |          |       |              |              |     |             |             |     |             |             |    |
|-------------------------------|-----------|----------|-------|--------------|--------------|-----|-------------|-------------|-----|-------------|-------------|----|
| Elemental Sulphur             | TM108/PM8 | mg/kg    | <1    | 10           | 9            | 11  | 14          | 34          | -83 | 1           | <1          |    |
| Loss on Ignition <sup>#</sup> | TM22/PM0  | %        | <1.0  | 1.8          | 2.9          | -47 | 24.9        | 46.5        | -61 | 4.4         | 3.9         | 12 |
| pH <sup>#</sup>               | TM73/PM11 | pH units | <0.01 | 7.7          | 7.77         | -1  | 7.22        | 7.08        | 2   | 7.78        | 8.16        | -5 |
| Sample Type                   | PM13/PM0  | None     |       | Clayey Sand  | Clay         |     | Clayey Loam | Clayey Loam |     | Other       | Clay        |    |
| Sample Colour                 | PM13/PM0  | None     |       | Medium Brown | Medium Brown |     | Black       | Dark Brown  |     | Medium Grey | Medium Grey |    |
| Other Items                   | PM13/PM0  | None     |       | none         | sand         |     | Stones      | None        |     | sandy clay  | NA          |    |