

Table 4.0
CDA Residential TPHs

Detection limit above GSAC
Exceeds GSAC
Detected Above Reporting Limit (No GSAC)

| No. of Samples | 155 | 155 | 155 | 155 | 154 | 154 | 154 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
|-----------------|-------|------|-------|-------|------|------|-------|------|------|------|------|------|-------|-------|-------|------|------|------|------|------|-------|-----|-----|
| Min | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | <20 | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | <10 | <10 | <20 |
| Mean | - | - | 1.9 | 6.9 | 47.9 | 98.3 | 345.1 | 1.6 | 2.4 | 20.1 | 29.1 | 15.3 | 44.4 | 172.2 | 0.0 | 0.1 | 1.6 | 7.3 | 12.4 | 31.9 | 132.7 | | |
| Max | <3 | 4.9 | 116.2 | 504.9 | 1620 | 3530 | 8150 | 3 | 11 | 625 | 878 | 169 | 760 | 1880 | 0.04 | 0.2 | 15.1 | 202 | 62 | 333 | 1040 | | |
| No. detected | 0 | 1 | 155 | 154 | 154 | 154 | 154 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| Assess Criteria | 0.054 | 92 | 10 | 54 | 190 | 500 | 1700 | 21 | 49 | 6.8 | 40 | 200 | 37000 | 37000 | 0.054 | 92 | 10 | 54 | 190 | 500 | 1700 | | |
| No. Exceeding | 155 | 0 | 2 | 2 | 3 | 5 | 6 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |

| Exp. Pt. | Depth | Material Type | Comments | Rationale | C5 to C6 | C6 to C8 | C8 to C10 | C10 to C12 | C12 to C16 | C16 to C21 | C21 to C40 | C5-C6 Aliphatic | C6-C8 Aliphatic | C8-C10 Aliphatic | C10-C12 Aliphatic | C12-C16 Aliphatic | C16-C21 Aliphatic | C21-C35 Aliphatic | C6-C7 Aromatic (Benzene) | C7-C8 Aromatic(Toluene) | EC6-EC10 Aromatic | EC10-EC12 Aromatic | EC12-EC16 Aromatic | EC16-EC21 Aromatic | EC21-EC35 Aromatic | |
|----------|-------|---------------|-------------------------|---|----------|----------|-----------|------------|------------|------------|------------|-----------------|-----------------|------------------|-------------------|-------------------|-------------------|-------------------|--------------------------|-------------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--|
| BGATP01 | 0.5 | MGT1A | | Burning ground | | | | | | | | | | | | | | | | | | | | | | |
| BGATP02 | 0.3 | MGT2B | | Burning ground | | | | | | | | | | | | | | | | | | | | | | |
| BGATP03 | 0.4 | MGT2B | | Burning ground | | | | | | | | | | | | | | | | | | | | | | |
| BGAWS03 | 0.1 | MGT2B | | Burning ground | | | | | | | | | | | | | | | | | | | | | | |
| BGAWS04 | 0.3 | MGT2B | | Burning ground | | | | | | | | | | | | | | | | | | | | | | |
| BGAWS05 | 0.3 | MGT2B | | Burning ground | | | | | | | | | | | | | | | | | | | | | | |
| BH1108 | 0.1 | TPSL | | Ammonium perchlorate. Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 25 | 168 | | | | | | | | | | | | | | | |
| BH1451 | 1 | MGT2A | | Next to fuel UST | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 43 | | | | | | | | | | | | | | | |
| BH1451 | 4.5 | LPF | | Next to fuel UST | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 79 | | | | | | | | | | | | | | | |
| BH1451 | 9 | LPF | | Next to fuel UST | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 23 | | | | | | | | | | | | | | | |
| BH2002 | 0.1 | MGT2A | blaes | CDA GW | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 38 | | | | | | | | | | | | | | | |
| BH2091 | 0.3 | MGT2B | ash | AST fuel oil | <1.5 | <2.0 | 1.9 | 3.2 | 44 | 108 | 507 | | | | | | | | | | | | | | | |
| BH2093 | 0.1 | TPSL | | CDA GW | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 143 | | | | | | | | | | | | | | | |
| BH2259 | 1 | MGT2A | blaes | CDA GW | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 24 | 327 | | | | | | | | | | | | | | | |
| BH2269 | 0.3 | MGT1A | | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 56 | | | | | | | | | | | | | | | |
| BH2416 | 0.1 | TPSL | | Deep GW | <1.5 | <2.0 | 1 | <2.0 | <20 | 37 | 182 | | | | | | | | | | | | | | | |
| BH2583 | 1 | MGT2A | blaes | CDA shallow compliance | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 71 | | | | | | | | | | | | | | | |
| HA1313 | 0.1 | MGT2A | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 46 | 237 | | | | | | | | | | | | | | | |
| HA1639 | 0.4 | MGT2A | | Transformer | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 20 | | | | | | | | | | | | | | | |
| HA2764A | 0.47 | MGT2A | | Exp residues | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 124 | | | | | | | | | | | | | | | |
| HA3181 | 0.15 | LPF | | Gaps | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 46 | | | | | | | | | | | | | | | |
| HA3182 | 0.25 | WTF | | Gaps | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 33 | | | | | | | | | | | | | | | |
| HS1588 | 0.1 | MGT2A | Clay pipe pieces | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 28 | 378 | | | | | | | | | | | | | | | |
| TP1005 | 0.1 | MGT1B | | Acid AST | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 36 | 250 | | | | | | | | | | | | | | | |
| TP1006 | 0.1 | MGT2A | | Rail | <1.5 | <2.0 | <1.0 | <2.0 | 25 | 240 | 881 | | | | | | | | | | | | | | | |
| TP1013 | 0.3 | MGT1B | brick | NG spill. Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 89 | | | | | | | | | | | | | | | |
| TP1020 | 0.5 | MGT1A | & dark organic material | Near Pb development + d/s of 2 ethyl acetate ASTs | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 34 | | | | | | | | | | | | | | | |
| TP1022 | 0.3 | MGT2A | blaes | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 92 | | | | | | | | | | | | | | | |
| TP1062 | 0.3 | MGT1B | | Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 91 | | | | | | | | | | | | | | | |
| TP1062 | 1 | MGT2B | | Dumrs | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 42 | | | | | | | | | | | | | | | |
| TP1063 | 0.3 | MGT1B | | Dumrs | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 30 | 179 | | | | | | | | | | | | | | | |
| TP1064 | 0.1 | MGT2A | | Acid AST. Road. Pb salts | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 21 | 120 | | | | | | | | | | | | | | | |
| TP1067 | 0.4 | KF | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 51 | | | | | | | | | | | | | | | |
| TP1068 | 0.1 | MGT2B | | Rail | <1.5 | <2.0 | <1.0 | <2.0 | 100 | 316 | 2230 | | | | | | | | | | | | | | | |
| TP1069 | 0.1 | MGT2A | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 28 | 218 | | | | | | | | | | | | | | | |
| TP1070 | 0.4 | MGT2A | | Acid AST. Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 31 | 78 | | | | | | | | | | | | | | | |
| TP1070 | 1 | LPF | | Acid AST. Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 261 | | | | | | | | | | | | | | | |
| TP1072 | 0.1 | MGT2B | | Road | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 74 | | | | | | | | | | | | | | | |
| TP1076 | 0.1 | MGT2A | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 86 | | | | | | | | | | | | | | | |

Table 4.0
CDA Residential TPHs

Detection limit above GSAC
Exceeds GSAC
Detected Above Reporting Limit (No GSAC)

| Exp. Pt. | Depth | Material Type | Comments | Rationale | No. of Samples | | | | | | | | | | | | | | | | | | | | | | |
|----------|-------|---------------|--|---------------------------|-----------------|----------|-----------|------------|------------|------------|------------|-----------------|-----------------|------------------|-------------------|-------------------|-------------------|-------------------|--------------------------|-------------------------|-------------------|--------------------|--------------------|--------------------|--------------------|-------|---|
| | | | | | 155 | 155 | 155 | 155 | 154 | 154 | 154 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | | | | |
| | | | | | Min | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | <20 | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | <20 | |
| | | | | | Mean | - | - | 1.9 | 6.9 | 47.9 | 98.3 | 345.1 | 1.6 | 2.4 | 20.1 | 29.1 | 15.3 | 44.4 | 172.2 | 0.0 | 0.1 | 1.6 | 7.3 | 12.4 | 31.9 | 132.7 | |
| | | | | | Max | <3 | 4.9 | 116.2 | 504.9 | 1620 | 3530 | 8150 | 3 | 11 | 625 | 878 | 169 | 760 | 1880 | 0.04 | 0.2 | 15.1 | 202 | 62 | 333 | 1040 | |
| | | | | | No. detected | 0 | 1 | 155 | 154 | 154 | 154 | 154 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | |
| | | | | | Assess Criteria | 0.054 | 92 | 10 | 54 | 190 | 500 | 1700 | 21 | 49 | 6.8 | 40 | 200 | 37000 | 37000 | 0.054 | 92 | 10 | 54 | 190 | 500 | 1700 | |
| | | | | | No. Exceeding | 155 | 0 | 2 | 2 | 3 | 5 | 6 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| | | | | | C5 to C6 | C6 to C8 | C8 to C10 | C10 to C12 | C12 to C16 | C16 to C21 | C21 to C40 | C5-C6 Aliphatic | C6-C8 Aliphatic | C8-C10 Aliphatic | C10-C12 Aliphatic | C12-C16 Aliphatic | C16-C21 Aliphatic | C21-C35 Aliphatic | C6-C7 Aromatic (Benzene) | C7-C8 Aromatic(Toluene) | EC6-EC10 Aromatic | EC10-EC12 Aromatic | EC12-EC16 Aromatic | EC16-EC21 Aromatic | EC21-EC35 Aromatic | | |
| TP1077 | 0.3 | MGT1B | | | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 105 | | | | | | | | | | | | | | | |
| TP1078 | 0.5 | KF | | Fuel oil AST | mg/kg | <1.5 | <2.0 | <1.0 | 13.7 | 1310 | 2090 | 957 | | | | | | | | | | | | | | | |
| TP1078 | 1 | KF | strong diesel odour | Fuel oil AST | mg/kg | <1.5 | 4.9 | 116.2 | 504.9 | 721 | 1190 | 550 | | | | | | | | | | | | | | | |
| TP1078 | 1.5 | KF | | Fuel oil AST | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | |
| TP1080 | 0.5 | MGT2A | brick and charcoal | Acid AST | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 220 | | | | | | | | | | | | | | | |
| TP1081 | 0.3 | MGT2B | | Rail | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | 28 | 69 | 319 | | | | | | | | | | | | | | | |
| TP1082 | 0.2 | MGT1B | | Acid AST | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | 30 | 91 | 791 | | | | | | | | | | | | | | | |
| TP1083 | 0.5 | MGT2A | blaes and brick | Fuel oil AST | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | |
| TP1083 | 1.5 | KF | | Fuel oil AST | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | |
| TP1083 | 2.3 | KF | | Fuel oil AST | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 40 | | | | | | | | | | | | | | | |
| TP1084 | 0.4 | MGT2A | blaes and brick frags | | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 49 | | | | | | | | | | | | | | | |
| TP1095 | 0.1 | MGT1B | clay pipe frags and bricks | | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 113 | | | | | | | | | | | | | | | |
| TP1096 | 1 | LPF | | | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 57 | | | | | | | | | | | | | | | |
| TP1102 | 1 | MGT1B | strong hydrocarbon/solvent odour | | mg/kg | <1.5 | <2.0 | <1.0 | 20.2 | 21 | 77 | 65 | | | | | | | | | | | | | | | |
| TP1102 | 1.5 | LPF | | | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 59 | | | | | | | | | | | | | | | |
| TP1106 | 0.1 | MGT2B | brick and blaes | Rail | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 440 | | | | | | | | | | | | | | | |
| TP1106 | 0.3 | MGT2B | brick and blaes | Rail | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 32 | | | | | | | | | | | | | | | |
| TP1107 | 0.1 | MGT1B | | | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 110 | | | | | | | | | | | | | | | |
| TP1116 | 0.1 | MGT2A | blaes | Rail | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 157 | | | | | | | | | | | | | | | |
| TP1119 | 0.3 | MGT2C | ash | Burning ground | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 53 | | | | | | | | | | | | | | | |
| TP1123 | 0.1 | MGT2A | ash brick asphalt white asb cement metal | Burning ground | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 22 | | | | | | | | | | | | | | | |
| TP1177 | 0.3 | MGT2A | ash | Rail | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 37 | 292 | | | | | | | | | | | | | | | |
| TP1181 | 0.2 | MGT1A | | Rail | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 85 | | | | | | | | | | | | | | | |
| TP1183 | 0.1 | MGT2A | clinker | Rail | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 216 | | | | | | | | | | | | | | | |
| TP1192 | 0.1 | MGT2A | clinker | Rail | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 54 | | | | | | | | | | | | | | | |
| TP1193 | 0.3 | MGT2B | | Road | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 72 | | | | | | | | | | | | | | | |
| TP1198 | 0.1 | MGT1A | | | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 79 | | | | | | | | | | | | | | | |
| TP1198 | 0.3 | WTF | | | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 31 | | | | | | | | | | | | | | | |
| TP1203 | 0.5 | MGT1A | | Rail | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | |
| TP1216 | 0.3 | TPSL | | | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 87 | | | | | | | | | | | | | | | |
| TP1216 | 0.7 | MGT1B | HC odour from wooden sleepers | | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 49 | | | | | | | | | | | | | | | |
| TP1220 | 0.1 | MGT2A | rubble | Rail | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 72 | | | | | | | | | | | | | | | |
| TP1221 | 0.2 | MGT2A | bleas concrete brick rubble | MG Poss brick field. Rail | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 255 | | | | | | | | | | | | | | | |
| TP1224 | 0.2 | MGT1B | propellant and white fibrous substance | Rail | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | 22 | 53 | 341 | | | | | | | | | | | | | | | |
| TP1316 | 0.1 | MGT2B | ash | Rail | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | 86 | 77 | 1020 | | | | | | | | | | | | | | | |
| TP1317 | 0.3 | MGT2A | brick | Rail | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 56 | 356 | | | | | | | | | | | | | | | |
| TP1320 | 0.2 | MGT2A | brick | Rail | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 49 | | | | | | | | | | | | | | | |
| TP1320 | 0.5 | MGT2A | brick | Rail | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 36 | | | | | | | | | | | | | | | |
| TP1440 | 0.1 | MGT2B | | Rail | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | |
| TP1440 | 0.3 | LPF | | Rail | mg/kg | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | |

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CDA Residential TPHs

Detection limit above GSAC
Exceeds GSAC
Detected Above Reporting Limit (No GSAC)

| Exp. Pt. | Depth | Material Type | Comments | Rationale | No. of Samples | | | | | | | | | | | | | | | | | | | | | | |
|----------|-------|---------------|--------------------------|-------------------|-----------------|----------|-----------|------------|------------|------------|------------|-----------------|-----------------|------------------|-------------------|-------------------|-------------------|-------------------|--------------------------|-------------------------|-------------------|--------------------|--------------------|--------------------|--------------------|-------|---|
| | | | | | 155 | 155 | 155 | 155 | 154 | 154 | 154 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | | | | | | |
| | | | | | Min | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | <20 | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | <20 | |
| | | | | | Mean | - | - | 1.9 | 6.9 | 47.9 | 98.3 | 345.1 | 1.6 | 2.4 | 20.1 | 29.1 | 15.3 | 44.4 | 172.2 | 0.0 | 0.1 | 1.6 | 7.3 | 12.4 | 31.9 | 132.7 | |
| | | | | | Max | <3 | 4.9 | 116.2 | 504.9 | 1620 | 3530 | 8150 | 3 | 11 | 625 | 878 | 169 | 760 | 1880 | 0.04 | 0.2 | 15.1 | 202 | 62 | 333 | 1040 | |
| | | | | | No. detected | 0 | 1 | 155 | 154 | 154 | 154 | 154 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | |
| | | | | | Assess Criteria | 0.054 | 92 | 10 | 54 | 190 | 500 | 1700 | 21 | 49 | 6.8 | 40 | 200 | 37000 | 37000 | 0.054 | 92 | 10 | 54 | 190 | 500 | 1700 | |
| | | | | | No. Exceeding | 155 | 0 | 2 | 2 | 3 | 5 | 6 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| | | | | | C5 to C6 | C6 to C8 | C8 to C10 | C10 to C12 | C12 to C16 | C16 to C21 | C21 to C40 | C5-C6 Aliphatic | C6-C8 Aliphatic | C8-C10 Aliphatic | C10-C12 Aliphatic | C12-C16 Aliphatic | C16-C21 Aliphatic | C21-C35 Aliphatic | C6-C7 Aromatic (Benzene) | C7-C8 Aromatic(Toluene) | EC6-EC10 Aromatic | EC10-EC12 Aromatic | EC12-EC16 Aromatic | EC16-EC21 Aromatic | EC21-EC35 Aromatic | | |
| | | | | | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | |
| TP1441 | 0.3 | MGT2A | ash | Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 20 | 31 | 229 | | | | | | | | | | | | | | |
| TP1441 | 1 | WTF | | Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 22 | | | | | | | | | | | | | | | | |
| TP1443 | 0.1 | MGT2B | ash | tarmac | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 38 | 275 | 706 | | | | | | | | | | | | | | |
| TP1443 | 0.5 | MGT2B | ash | tarmac | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 22 | 107 | | | | | | | | | | | | | | | |
| TP1443 | 1 | WTF | | tarmac | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 20 | <20 | <20 | | | | | | | | | | | | | | |
| TP1444 | 0.4 | MGT1B | | Hydraulic oil AST | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 105 | 1160 | | | | | | | | | | | | | | | |
| TP1444 | 0.5 | MGT1B | | Hydraulic oil AST | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 246 | | | | | | | | | | | | | | | | |
| TP1447 | 0.1 | MGT2B | ash | | <1.5 | <2.0 | <1.0 | 2.5 | 35 | 148 | 705 | | | | | | | | | | | | | | | | |
| TP1447 | 0.5 | WTF | strong hydrocarbon odour | | <1.5 | <2.0 | <1.0 | 3.3 | <20 | <20 | 35 | | | | | | | | | | | | | | | | |
| TP1447 | 1.8 | WTF | strong hydrocarbon odour | | <1.5 | <2.0 | <1.0 | 5.7 | <20 | <20 | 30 | 40 | | | | | | | | | | | | | | | |
| TP1452 | 0.1 | MGT2B | ash and bricks | General store | <1.5 | <2.0 | 1.3 | 3.8 | <20 | <20 | 27 | 112 | | | | | | | | | | | | | | | |
| TP1452 | 0.5 | LPF | | General store | <1.5 | <2.0 | <1.0 | <2.0 | 20 | 82 | 409 | | | | | | | | | | | | | | | | |
| TP1453 | 0.1 | MGT1A | type 1 under tarmac | General store | <1.5 | <2.0 | 1.8 | 5.8 | 138 | 936 | 8150 | | | | | | | | | | | | | | | | |
| TP2016 | 0.3 | MGT2A | | AST EA | <1.5 | <2.0 | <1.0 | <2.0 | | | | | | | | | | | | | | | | | | | |
| TP2016 | 0.6 | MGT2A | | AST EA | | | | | | | | | | | | | | | | | | | | | | | |
| TP2022 | 0.5 | MGT1B | | AST acid | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 24 | | | | | | | | | | | | | | | | |
| TP2023 | 0.7 | MGT1A | | AST acid | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 29 | | | | | | | | | | | | | | | | |
| TP2025 | 0.5 | MGT2A | | Substation CDA | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 41 | | | | | | | | | | | | | | | | |
| TP2025 | 0.9 | MGT1A | | Substation CDA | | | | | | | | | | | | | | | | | | | | | | | |
| TP2026 | 0.1 | MGT2A | bitumous | Substation CDA | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 98 | 403 | | | | | | | | | | | | | | | | |
| TP2026 | 1 | MGT2A | HC odour | Substation CDA | | | | | | | | | | | | | | | | | | | | | | | |
| TP2029 | 0.2 | MGT2A | | Substation CDA | | | | | | | | | | | | | | | | | | | | | | | |
| TP2029 | 0.5 | MGT2A | | Substation CDA | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 117 | 431 | | | | | | | | | | | | | | | | |
| TP2113 | 0.4 | MGT1A | Bricks concrete | Acids Building | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 141 | | | | | | | | | | | | | | | | |
| TP2115 | 0.4 | KF | | Acids | | | | | | | | | | | | | | | | | | | | | | | |
| TP2115 | 1 | KF | | Acids | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | | |
| TP2117 | 0.1 | MGT2A | | Acids Building | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | | |
| TP2121 | 0.1 | MGT1B | bricks | Acids Buildings | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 170 | 691 | | | | | | | | | | | | | | | |
| TP2124 | 0.1 | MGT1B | clinker | Acids Buildings | | | | | | | | | | | | | | | | | | | | | | | |
| TP2124 | 1 | MGT1A | | Acids Buildings | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 47 | | | | | | | | | | | | | | | | |
| TP2125 | 0.3 | MGT2B | clinker | AST ammonia | | | | | | | | | | | | | | | | | | | | | | | |
| TP2125 | 0.6 | MGT2B | ash | AST ammonia | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 63 | | | | | | | | | | | | | | | | |
| TP2126 | 0.3 | MGT2A | ash | AST acid | <1.5 | <2.0 | 2.4 | <4 | 48 | 114 | 520 | | | | | | | | | | | | | | | | |
| TP2127 | 0.1 | MGT2A | ash | AST acid | <3 | <4 | <2 | <4 | 44 | 163 | 2060 | | | | | | | | | | | | | | | | |
| TP2127 | 0.5 | LPF | RWN | AST acid | | | | | | | | | | | | | | | | | | | | | | | |
| TP2128 | 0.1 | MGT2A | blaes | AST Acid Pb salts | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 114 | | | | | | | | | | | | | | | | |
| TP2134 | 0.1 | MGT2A | ash | AST acid | <1.5 | <2.0 | <1.0 | <2.0 | 26 | 74 | 529 | | | | | | | | | | | | | | | | |
| TP2139 | 0.15 | MGT2A | blaes | Substation CDA | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 43 | 618 | | | | | | | | | | | | | | | | |
| TP2140 | 0.2 | MGT2B | | Substation CDA | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 66 | | | | | | | | | | | | | | | | |
| TP2140 | 1.1 | MGT2A | | Substation CDA | | | | | | | | | | | | | | | | | | | | | | | |

Table 4.1
CDA ROS TPHs

 Detection limit above GSAC
 Exceeds GSAC
 Detected Above Reporting Limit (No GSAC)

| | | | No. of Samples | 145 | 148 | 148 | 148 | 148 | 148 | 148 | 21 | 23 | 23 | 23 | 23 | 23 | 21 | 21 | 23 | 23 | 23 | 23 | 8 | 21 | | |
|----------|-------|---------------|----------------------------|----------------------------|----------|-----------|------------|-------------|-------------|-------------|-------------|-----------------|------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------------|--------------------------|--------------------|---------------------|---------------------|---------------------|---------------------|----|
| | | | Min | <1.5 | <1 | <1 | <1 | <20 | <20 | <20 | <1.5 | <2.0 | <1 | <2 | <10 | <10 | <20 | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | <20 | | |
| | | | Mean | - | - | 1.7 | 3.7 | 44.6 | 94.6 | 400.9 | - | - | 1.5 | 7.3 | 64.9 | 132.1 | 84.4 | 0.0 | 0.3 | 1.3 | 3.6 | 26.2 | 144.0 | 66.1 | | |
| | | | Max | <3 | <5 | 61.5 | 119.6 | 2190 | 2690 | 7840 | <3 | <4 | 7.3 | 108 | 1260 | 2710 | 885 | 0.05 | 3.6 | 7.3 | 45.6 | 367 | 915 | 335 | | |
| | | | No. detected | 3 | 4 | 13 | 13 | 38 | 85 | 136 | 0 | 0 | 1 | 1 | 1 | 6 | 13 | 1 | 1 | 1 | 1 | 2 | 6 | 13 | | |
| | | | Assess Criteria | 55 | 42000 | 7100 | 7500 | 7600 | 5800 | 5800 | 260000 | 290000 | 17000 | 18000 | 19000 | 380000 | 380000 | 55 | 42000 | 7100 | 7500 | 7600 | 5800 | 5800 | | |
| | | | No. Exceeding | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Exp. Pt. | Depth | Material Type | Comments | Rationale | C5 to C6 | >C6 to C8 | >C8 to C10 | >C10 to C12 | >C12 to C16 | >C16 to C21 | >C21 to C40 | C5-C6 Aliphatic | >C6-C8 Aliphatic | >C8-C10 Aliphatic | >C10-C12 Aliphatic | >C12-C16 Aliphatic | >C16-C21 Aliphatic | >C21-C35 Aliphatic | C6-C7 Aromatic (Benzene) | >C7-C8 Aromatic(Toluene) | >EC8-EC10 Aromatic | >EC10-EC12 Aromatic | >EC12-EC16 Aromatic | >EC16-EC21 Aromatic | >EC21-EC35 Aromatic | |
| | | | | | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | |
| HS1574 | 0.1 | MGT2A | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | 76 | | | | | | | | | | | | | | |
| HS1590 | 0.15 | MGT2A | Blaes | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | 273 | | | | | | | | | | | | | | |
| TP1111 | 0.1 | HSTD | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | |
| TP1111 | 0.5 | MGT1B | slight hydrocarbon odour | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | |
| TP1113 | 0.1 | MGT2A | blaes | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 22 | 209 | | | | | | | | | | | | | | | |
| TP1241 | 0.1 | MGT2A | blaes | | <1.5 | <2.0 | <1.0 | 2.1 | 38 | 114 | 534 | | | | | | | | | | | | | | | |
| TP1241 | 1 | WTF | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 203 | | | | | | | | | | | | | | | |
| TP1330 | 0.3 | MGT2B | ash | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 21 | 245 | | | | | | | | | | | | | | | |
| TP1330 | 0.5 | LPF | HC odour | | | <1.0 | <1.0 | <1.0 | 2.3 | 8.8 | 63 | | <1.0 | <1.0 | <1.0 | <2.3 | <8.8 | | | | <1.0 | <1.0 | <1.0 | <2.3 | <8.8 | |
| TP1352 | 0.5 | MGT1B | | | <1.5 | <2.0 | <1.0 | <2.0 | 24 | 85 | 502 | | | | | | | | | | | | | | | |
| HA1315 | 0.4 | MGT2A | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 61 | | | | | | | | | | | | | | | |
| HA1315 | 1.4 | WTF | ash | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 32 | 102 | | | | | | | | | | | | | | | |
| TP1207 | 0.6 | MGT2A | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 64 | | | | | | | | | | | | | | | |
| TP1179 | 0.1 | MGT2A | blaes | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 97 | | | | | | | | | | | | | | | |
| TP1184 | 0.2 | MGT2A | blaes | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 80 | | | | | | | | | | | | | | | |
| TP1197 | 0.3 | MGT1A | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 51 | 197 | | | | | | | | | | | | | | | |
| TP1008 | 0.05 | MGT1B | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 21 | 514 | | | | | | | | | | | | | | | |
| TP1009 | 0.3 | MGT2A | concrete metal ash | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 40 | | | | | | | | | | | | | | | |
| TP1014 | 0.25 | MGT2A | ash type 1 | | <1.5 | <2.0 | <1.0 | <2.0 | 109 | 812 | 4450 | | | | | | | | | | | | | | | |
| TP1341 | 0.5 | MGT1B | | Acid AST | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 62 | | | | | | | | | | | | | | | |
| TP1341 | 1 | MGT1B | visible and olfactory HC | Acid AST | <1.5 | <5.0 | <5.0 | <5.0 | 24 | 54 | 52 | | | | | | | | | | | | | | | |
| TP2030 | 0.1 | MGT2A | ash | AST acid | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 24 | 179 | | | | | | | | | | | | | | | |
| TP2457 | 0.5 | MGT1A | concrete | AST acid | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 58 | | | | | | | | | | | | | | | |
| TP2459 | 1 | MGT2A | concrete + ash/clinker | AST acid | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | <20 | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | <20 | |
| BH2415 | 0.3 | MGT2B | ash | AST Acid | <1.5 | <2.0 | <1.0 | <2.0 | 70 | 346 | 5230 | | | | | | | | | | | | | | | |
| BH2412 | 0.1 | MGT2A | blaes | AST Acid | 2 | <2.0 | <1.0 | <2.0 | <20 | 29 | 967 | | | | | | | | | | | | | | | |
| TP2018 | 0.4 | WTF | | AST Acid Dynamite | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | |
| TP2020 | 0.6 | MGT1B | | AST mixed acid | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 92 | | | | | | | | | | | | | | | |
| TP2021 | 1 | MGT2B | | AST mixed acid | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | <10 | 98 | 0.05 | 3.6 | 1.6 | <1.0 | <10 | <10 | 48 |
| TP1459 | 0.2 | MGT2B | ash | Burning ground | <1.5 | <2.0 | <1.0 | <2.0 | 54 | 79 | 438 | | | | | | | | | | | | | | | |
| TP1460 | 0.3 | MGT2B | ash | Burning ground | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 49 | 194 | | | | | | | | | | | | | | | |
| BGAWS06 | 0.1 | MGT2B | | Burning Ground | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | <20 | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | <20 | |
| BGAWS06 | 0.7 | MGT2B | | Burning Ground | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | <20 | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | <20 | |
| BGATP04 | 0.1 | MGT1B | | Burning Ground | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | <20 | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | <20 | |
| TP2606 | 0.5 | MGT2B | bricks | Burning Ground delineation | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 42 | 114 | | | | | | | | | | | | | | | |
| TP2607 | 0.5 | MGT1B | bricks | Burning Ground delineation | <1.5 | <2.0 | <1.0 | <2.0 | 55 | 131 | 476 | | | | | | | | | | | | | | | |
| TP1515 | 0.3 | MGT2A | slight HC odour tarmac ash | Car park | <1.5 | <2.0 | <1.0 | <2.0 | 43 | 86 | 453 | | | | | | | | | | | | | | | |
| TP1515 | 0.5 | WTF | | Car park | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 52 | 262 | | | | | | | | | | | | | | | |
| TP1517 | 1 | MGT2C | | Car park | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 23 | 127 | | | | | | | | | | | | | | | |

**Table 4.1
CDA ROS TPHs**

 Detection limit above GSAC
 Exceeds GSAC
 Detected Above Reporting Limit (No GSAC)

| | | | | No. of Samples | 145 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 21 | 23 | 23 | 23 | 23 | 23 | 21 | 21 | 23 | 23 | 23 | 23 | 8 | 21 | |
|----------|-------|---------------|----------------------|------------------------|----------|-----------|------------|-------------|-------------|-------------|-------------|-----------------|------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------------|--------------------------|--------------------|---------------------|---------------------|---------------------|---------------------|-------|-----|
| | | | | Min | <1.5 | <1 | <1 | <1 | <20 | <20 | <20 | <20 | <1.5 | <2.0 | <1 | <2 | <10 | <10 | <20 | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | <10 | <20 |
| | | | | Mean | - | - | 1.7 | 3.7 | 44.6 | 94.6 | 400.9 | - | - | 1.5 | 7.3 | 64.9 | 132.1 | 84.4 | 0.0 | 0.3 | 1.3 | 3.6 | 26.2 | 144.0 | 66.1 | | |
| | | | | Max | <3 | <5 | 61.5 | 119.6 | 2190 | 2690 | 7840 | <3 | <4 | 7.3 | 108 | 1260 | 2710 | 885 | 0.05 | 3.6 | 7.3 | 45.6 | 367 | 915 | 335 | | |
| | | | | No. detected | 3 | 4 | 13 | 13 | 38 | 85 | 136 | 0 | 0 | 1 | 1 | 1 | 6 | 13 | 1 | 1 | 1 | 1 | 2 | 6 | 13 | | |
| | | | | Assess Criteria | 55 | 42000 | 7100 | 7500 | 7600 | 5800 | 5800 | 260000 | 290000 | 17000 | 18000 | 19000 | 380000 | 380000 | 55 | 42000 | 7100 | 7500 | 7600 | 5800 | 5800 | | |
| | | | | No. Exceeding | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Exp. Pt. | Depth | Material Type | Comments | Rationale | C5 to C6 | >C6 to C8 | >C8 to C10 | >C10 to C12 | >C12 to C16 | >C16 to C21 | >C21 to C40 | C5-C6 Aliphatic | >C6-C8 Aliphatic | >C8-C10 Aliphatic | >C10-C12 Aliphatic | >C12-C16 Aliphatic | >C16-C21 Aliphatic | >C21-C35 Aliphatic | C6-C7 Aromatic (Benzene) | >C7-C8 Aromatic(Toluene) | >EC8-EC10 Aromatic | >EC10-EC12 Aromatic | >EC12-EC16 Aromatic | >EC16-EC21 Aromatic | >EC21-EC35 Aromatic | | |
| | | | | | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | |
| TP1517 | 2.1 | WTF | | Car park | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | | |
| BH2003 | 0.1 | MGT1A | | CDA GW | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | | |
| BH2263 | 0.3 | MGT2A | blaes | CDA GW | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 101 | | | | | | | | | | | | | | | | |
| BH2585 | 0.3 | MGT1A | | CDA GW | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 33 | 159 | | | | | | | | | | | | | | | | |
| BH2587 | 1.5 | MGT2A | clinker | CDA GW | <3 | <4 | <2 | <4 | <20 | 41 | 304 | | | | | | | | | | | | | | | | |
| BH2267 | 1 | LPF | | CDA GW | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 38 | | | | | | | | | | | | | | | | |
| BH2261 | 0.5 | MGT2A | blaes | CDA shallow compliance | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 133 | | | | | | | | | | | | | | | | |
| BH2663 | 0.3 | TPSL | | CDA shallow compliance | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 41 | | | | | | | | | | | | | | | | |
| BH2379 | 0.1 | TPSL | | CDA shallow compliance | <1.5 | <2.0 | <1.0 | 2.4 | 31 | 87 | 293 | | | | | | | | | | | | | | | | |
| HS3141 | 0.15 | MGT2A | | Coal Storage | <1.5 | 3.7 | 2.3 | 3 | 35 | 89 | 393 | | | | | | | | | | | | | | | | |
| TP1442 | 0.3 | MGT1A | type 1 | Fuel oil AST | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 339 | | | | | | | | | | | | | | | | |
| TP1442 | 2 | MGT1A | | Fuel oil AST | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | | |
| TP1464 | 0.5 | MGT1A | | Fuel UST | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 31 | 161 | | | | | | | | | | | | | | | | |
| TP1464 | 2 | LPF | | Fuel UST | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | | |
| TP3159 | 0.1 | MGT2A | | Gaps | <3 | <4 | <2 | <4 | <20 | 40 | 194 | | | | | | | | | | | | | | | | |
| TP3159 | 0.1 | MGT2A | ash | Gaps | <3 | <4 | <2 | <4 | 27 | 47 | 184 | | | | | | | | | | | | | | | | |
| TP3160 | 0.5 | MGT1A | blaes | Gaps | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 23 | | | | | | | | | | | | | | | | |
| TP3185 | 0.4 | MGT2A | blaes | Gaps | <1.5 | <2.0 | <1.0 | <2.0 | 25 | 52 | 1060 | | | | | | | | | | | | | | | | |
| TP3185 | 0.4 | MGT2A | | Gaps | <1.5 | <2.0 | <1.0 | <2.0 | 69 | 124 | 2160 | | | | | | | | | | | | | | | | |
| TP2336 | 0.2 | MGT1A | ceramic | HC contamination | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | 30 | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | <10 | 24 | |
| TP2336 | 1 | MGT1A | brick | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 41 | | | | | | | | | | | | | | | | |
| TP2336 | 2 | MGT1A | brick | HC contamination | 2 | 2.3 | <1.0 | <2.0 | <20 | 25 | 71 | | | | | | | | | | | | | | | | |
| TP2632 | 0.2 | MGT2A | bricks | HC contamination | <3 | <4 | <2 | <4 | <20 | <20 | 80 | | | | | | | | | | | | | | | | |
| TP2632 | 1 | MGT1A | bricks | HC contamination | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | <20 | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | <20 | | |
| TP2632 | 2 | MGT1B | bricks | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | 39 | 74 | 183 | | | | | | | | | | | | | | | | |
| TP2633 | 0.5 | MGT1A | bricks | HC contamination | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | <20 | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | <20 | | |
| TP2633 | 1.3 | MGT2A | ash | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | 30 | 62 | 160 | | | | | | | | | | | | | | | | |
| TP2627 | 0.1 | MGT2B | ash | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | 22 | 41 | 149 | | | | | | | | | | | | | | | | |
| TP2627 | 1 | MGT2A | blaes | HC contamination | <3 | <4 | <2 | <4 | 38 | 78 | 291 | | | | | | | | | | | | | | | | |
| TP2626 | 0.3 | MGT2B | ash | HC contamination | <1.5 | <2.0 | 1 | <2.0 | 39 | 98 | 1110 | | | | | | | | | | | | | | | | |
| TP2626 | 1 | MGT2A | ash | HC contamination | <3 | <4 | <3 | <4 | 32 | 75 | 545 | | | | | | | | | | | | | | | | |
| TP2433 | 0.3 | MGT2B | | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | 310 | 2460 | 7840 | | | | | | | | | | | | | | | | |
| TP2433 | 0.8 | WTF | | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | 88 | 1230 | | | | | | | | | | | | | | | | | |
| TP2434 | 0.3 | MGT2A | concrete | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 32 | 292 | | | | | | | | | | | | | | | | |
| TP2434 | 1 | MGT1A | pipe | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 92 | | | | | | | | | | | | | | | | |
| TP2625 | 0.1 | MGT2A | Ash | HC contamination | <3 | <4 | <2 | <4 | <20 | 49 | 369 | | | | | | | | | | | | | | | | |
| TP2625 | 1.1 | LPF | dark grey sandy silt | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 33 | | | | | | | | | | | | | | | | |
| BH1445 | 1 | KF | | Hydraulic oil AST | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 21 | 83 | | | | | | | | | | | | | | | | |
| BH1445 | 2 | KF | | Hydraulic oil AST | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 47 | | | | | | | | | | | | | | | | |

Table 4.1
CDA ROS TPHs

 Detection limit above GSAC
 Exceeds GSAC
 Detected Above Reporting Limit (No GSAC)

| | | | No. of Samples | 145 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 21 | 23 | 23 | 23 | 23 | 23 | 21 | 21 | 23 | 23 | 23 | 23 | 8 | 21 |
|----------|------------|----------------------------------|-----------------|---------------------------------|----------|-----------|------------|-------------|-------------|-------------|-------------|-----------------|------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------------|--------------------------|--------------------|---------------------|---------------------|---------------------|---------------------|
| | | | Min | <1.5 | <1 | <1 | <1 | <20 | <20 | <20 | <20 | <1.5 | <2.0 | <1 | <2 | <10 | <10 | <20 | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | <20 |
| | | | Mean | - | - | 1.7 | 3.7 | 44.6 | 94.6 | 400.9 | - | - | 1.5 | 7.3 | 64.9 | 132.1 | 84.4 | 0.0 | 0.3 | 1.3 | 3.6 | 26.2 | 144.0 | 66.1 | |
| | | | Max | <3 | <5 | 61.5 | 119.6 | 2190 | 2690 | 7840 | <3 | <4 | 7.3 | 108 | 1260 | 2710 | 885 | 0.05 | 3.6 | 7.3 | 45.6 | 367 | 915 | 335 | |
| | | | No. detected | 3 | 4 | 13 | 13 | 38 | 85 | 136 | 0 | 0 | 1 | 1 | 1 | 6 | 13 | 1 | 1 | 1 | 1 | 2 | 6 | 13 | |
| | | | Assess Criteria | 55 | 42000 | 7100 | 7500 | 7600 | 5800 | 5800 | 260000 | 290000 | 17000 | 18000 | 19000 | 380000 | 380000 | 55 | 42000 | 7100 | 7500 | 7600 | 5800 | 5800 | |
| | | | No. Exceeding | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Exp. Pt. | Depth | Material Type | Comments | Rationale | C5 to C6 | >C6 to C8 | >C8 to C10 | >C10 to C12 | >C12 to C16 | >C16 to C21 | >C21 to C40 | C5-C6 Aliphatic | >C6-C8 Aliphatic | >C8-C10 Aliphatic | >C10-C12 Aliphatic | >C12-C16 Aliphatic | >C16-C21 Aliphatic | >C21-C35 Aliphatic | C6-C7 Aromatic (Benzene) | >C7-C8 Aromatic(Toluene) | >EC8-EC10 Aromatic | >EC10-EC12 Aromatic | >EC12-EC16 Aromatic | >EC16-EC21 Aromatic | >EC21-EC35 Aromatic |
| BH1445 | 4.5 LPF | | | Hydraulic oil AST | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 61 | | | | | | | | | | | | | | |
| TP2618 | 0.5 MGT1B | brick | | Laundry | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 577 | | | | | | | | | | | | | | |
| TP2618 | 1.5 MGT1B | brick | | Laundry | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 577 | <1.5 | <2.0 | 5.5 | 108 | 1260 | 2710 | 885 | <0.02 | <0.1 | <1.0 | 45.6 | 367 | 915 | 335 |
| TP3118 | 0.5 MGT2A | ash | | Laundry | <3 | <4 | <2 | <4 | 38 | 66 | 271 | | | | | | | | | | | | | | |
| TP3113 | 0.5 MGT2A | Blaes | | Laundry | 1.6 | 2.7 | 2.3 | 2.4 | 26 | 52 | 128 | | | | | | | | | | | | | | |
| TP3117 | 0.3 MGT2A | | | Laundry | <1.5 | <2.0 | <1.0 | <2.0 | 45 | 101 | 1670 | | | | | | | | | | | | | | |
| TP3119 | 0.1 MGT1A | | | Laundry | <1.5 | <2.0 | <1.0 | <2.0 | 25 | 45 | 159 | | | | | | | | | | | | | | |
| TP3119 | 0.1 MGT1A | | | Laundry | <1.5 | <2.0 | <1.0 | <2.0 | 34 | 59 | 182 | | | | | | | | | | | | | | |
| BH1455 | 1 MGT2B | | | MG Mineral working. Fuel UST | <1.5 | <2.0 | <1.0 | <2.0 | 59 | 225 | 1230 | | | | | | | | | | | | | | |
| TP1456 | 0.4 MGT2B | ash HC odour | | MG Mineral working. Fuel UST | <1.5 | <2.0 | 1.7 | 2.4 | 35 | 308 | 2140 | | | | | | | | | | | | | | |
| TP1456 | 0.7 LPF | | | MG Mineral working. Fuel UST | <1.5 | 5.6 | 61.5 | 75.6 | <20 | 72 | 294 | | | | | | | | | | | | | | |
| TP1456 | 2.7 LPF | | | MG Mineral working. Fuel UST | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | |
| BH1455 | 1.5 MGT2B | hydroc odour | | MG Mineral working. Fuel UST | | <1.0 | 7.3 | 16 | 31 | 46 | 130 | <1.0 | <7.3 | <16 | <31 | <46 | | | <1.0 | <7.3 | <16 | <31 | <46 | | |
| BH1455 | 4.5 LPF | | | MG Mineral working. Fuel UST | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 69 | | | | | | | | | | | | | | |
| TP1218 | 0.5 MGT1B | concrete | | MG Poss brick field. Drum store | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 20 | 394 | | | | | | | | | | | | | | |
| TP1218 | 1.2 MGT1B | | | MG Poss brick field. Drum store | <5.0 | <5.0 | <5.0 | <10 | <10 | <25 | | | | | | | | | | | | | | | |
| TP2328 | 0.35 MGT2A | blaes | | Mineral workings | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 31 | | | | | | | | | | | | | | |
| TP2603 | 1 MGT2B | abandoned at 1.3 due to collapse | | Mineral workings | <3 | <4 | <2 | <4 | 62 | 194 | 1280 | | | | | | | | | | | | | | |
| TP2330 | 0.9 MGT2B | ash | | Misc oil & solvent drums | <1.5 | <2.0 | 2.3 | <2.0 | <20 | 21 | 48 | | | | | | | | | | | | | | |
| TP2599 | 0.1 MGT2B | ash | | Misc open ground | <1.5 | <2.0 | 1.2 | <2.0 | <20 | 33 | 170 | | | | | | | | | | | | | | |
| TP2599 | 0.7 MGT2B | ash | | Misc open ground | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | 13 | 87 | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | 66 |
| TP1117 | 0.3 MGT2A | brick and blaes | | NC lagoon | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 67 | | | | | | | | | | | | | | |
| TP1465 | 0.5 MGT2B | diesel | | Next to fuel UST | <1.5 | <2.0 | 1.1 | 11.8 | 437 | 757 | 625 | | | | | | | | | | | | | | |
| TP1465 | 1 MGT1A | | | Next to fuel UST | <1.5 | <2.0 | 20.2 | 119.6 | 2190 | 2690 | 1430 | | | | | | | | | | | | | | |
| BH1495 | 1 WTF | | | Petrol UST | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | |
| BH1495 | 3 WTF | | | Petrol UST | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 23 | | | | | | | | | | | | | | |
| BH1495 | 4.5 WTF | | | Petrol UST | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | |
| TP1101 | 0.2 MGT1B | metal frags | | Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 149 | | | | | | | | | | | | | | |
| TP1446 | 0.3 MGT2B | blaes and brick | | Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 33 | | | | | | | | | | | | | | |
| TP1446 | 0.5 MGT2B | blaes and brick | | Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 25 | 101 | | | | | | | | | | | | | | |
| TP1185 | 0.15 MGT2A | clinker | | Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 39 | | | | | | | | | | | | | | |
| TP1214 | 0.1 MGT1B | | | Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 26 | | | | | | | | | | | | | | |
| TP1327 | 0.1 MGT2B | blaes | | Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 59 | | | | | | | | | | | | | | |
| TP1229 | 0.25 TPSL | | | Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 151 | | | | | | | | | | | | | | |
| TP1249 | 0.1 MGT2A | | | Rail | <1.5 | <2.0 | <1.0 | <2.0 | 21 | 79 | 753 | | | | | | | | | | | | | | |
| TP1249 | 1.4 WTF | | | Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 37 | | | | | | | | | | | | | | |
| TP1253 | 0.1 MGT2A | blaes | | Rail | <1.5 | <2.0 | <1.0 | <2.0 | 34 | 72 | 258 | | | | | | | | | | | | | | |
| TP1253 | 0.3 MGT2A | | | Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 43 | 266 | | | | | | | | | | | | | | |
| TP1088 | 0.1 MGT1B | | | Road | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 21 | 522 | | | | | | | | | | | | | | |

**Table 4.1
CDA ROS TPHs**

 Detection limit above GSAC
 Exceeds GSAC
 Detected Above Reporting Limit (No GSAC)

| Exp. Pt. | Depth | Material Type | Comments | Rationale | No. of Samples | | | | | | | | | | | | | | | | | 8 | 21 | | | |
|----------|-------|---------------|--------------|----------------------|-----------------|----------|------------|-------------|-------------|-------------|-------------|-----------------|------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------------|--------------------------|--------------------|---------------------|---------------------|---------------------|---------------------|-------|
| | | | | | 145 | 148 | 148 | 148 | 148 | 148 | 148 | 21 | 23 | 23 | 23 | 23 | 23 | 21 | 21 | 23 | 23 | | | 23 | 23 | |
| | | | | | Min | <1.5 | <1 | <1 | <1 | <20 | <20 | <20 | <1.5 | <2.0 | <1 | <2 | <10 | <10 | <20 | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | <20 |
| | | | | | Mean | - | - | 1.7 | 3.7 | 44.6 | 94.6 | 400.9 | - | - | 1.5 | 7.3 | 64.9 | 132.1 | 84.4 | 0.0 | 0.3 | 1.3 | 3.6 | 26.2 | 144.0 | 66.1 |
| | | | | | Max | <3 | <5 | 61.5 | 119.6 | 2190 | 2690 | 7840 | <3 | <4 | 7.3 | 108 | 1260 | 2710 | 885 | 0.05 | 3.6 | 7.3 | 45.6 | 367 | 915 | 335 |
| | | | | | No. detected | 3 | 4 | 13 | 13 | 38 | 85 | 136 | 0 | 0 | 1 | 1 | 1 | 6 | 13 | 1 | 1 | 1 | 1 | 2 | 6 | 13 |
| | | | | | Assess Criteria | 55 | 42000 | 7100 | 7500 | 7600 | 5800 | 5800 | 260000 | 290000 | 17000 | 18000 | 19000 | 380000 | 380000 | 55 | 42000 | 7100 | 7500 | 7600 | 5800 | 5800 |
| | | | | | No. Exceeding | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | C5 to C6 | C6 to C8 | >C8 to C10 | >C10 to C12 | >C12 to C16 | >C16 to C21 | >C21 to C40 | C5-C6 Aliphatic | >C6-C8 Aliphatic | >C8-C10 Aliphatic | >C10-C12 Aliphatic | >C12-C16 Aliphatic | >C16-C21 Aliphatic | >C21-C35 Aliphatic | C6-C7 Aromatic (Benzene) | >C7-C8 Aromatic(Toluene) | >EC8-EC10 Aromatic | >EC10-EC12 Aromatic | >EC12-EC16 Aromatic | >EC16-EC21 Aromatic | >EC21-EC35 Aromatic | |
| | | | | | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg |
| TP1187 | 0.1 | MGT2A | | Road | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 27 | 388 | | | | | | | | | | | | | | | |
| TP1187 | 0.3 | MGT2A | | Road | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 106 | | | | | | | | | | | | | | | |
| TP1248 | 0.1 | TPSL | | Road | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 22 | 206 | | | | | | | | | | | | | | | |
| TP1248 | 0.5 | LPF | | Road | <1.5 | <2.0 | <1.0 | <2.0 | 20 | 103 | 795 | | | | | | | | | | | | | | | |
| TP2608 | 0.5 | MGT1B | bricks | Substation CDA | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 75 | | | | | | | | | | | | | | | |
| TP2609 | 0.2 | MGT2A | | Substation CDA | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 67 | 188 | | | | | | | | | | | | | | | |
| TP2609 | 1 | MGT2A | ash | Substation CDA | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | 14 | 32 | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | 20 | |
| TP2611 | 0.3 | MGT1A | bricks | Substation CDA | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 42 | 121 | | | | | | | | | | | | | | | |
| TP2612 | 0.3 | MGT1A | bricks | Substation CDA | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 53 | 171 | | | | | | | | | | | | | | | |
| TP2612 | 1.5 | MGT1A | bricks | Substation CDA | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | 15 | 22 | <0.02 | <0.1 | <1.0 | <1.0 | <10 | 85 | 100 | |
| TP2154 | 0.3 | MGT1A | | Substation CDA | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 85 | | | | | | | | | | | | | | | |
| TP2157 | 0.3 | MGT1A | | Substation CDA | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 341 | 753 | | | | | | | | | | | | | | | |
| TP2035 | 0.9 | MGT1A | HC vis/odour | Substation CDA | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | 51 | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | 35 | |
| TP2036 | 0.5 | MGT1A | vis HC | Substation CDA | <3 | <4 | <2 | <4 | <20 | <20 | 53 | | | | | | | | | | | | | | | |
| TP2037 | 0.4 | MGT1A | HC odour | Substation CDA | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 42 | 1130 | | | | | | | | | | | | | | | |
| TP2213 | 0.1 | MGT2B | | Substation CDA | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 63 | 196 | | | | | | | | | | | | | | | |
| TP2215 | 0.1 | MGT2B | | Substation CDA | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 51 | 270 | | | | | | | | | | | | | | | |
| TP2215 | 0.4 | MGT2A | | Substation CDA | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | 41 | <0.02 | <0.1 | <1.0 | <1.0 | <10 | 17 | 61 | |
| TP2216 | 0.5 | MGT1A | HC odour | Substation CDA | <1.5 | <2.0 | <1.0 | 4.5 | <20 | 79 | 236 | | | | | | | | | | | | | | | |
| TP2217 | 0.1 | MGT2B | ash | Substation CDA | <1.5 | <2.0 | <1.0 | <2.0 | 25 | 100 | 209 | | | | | | | | | | | | | | | |
| TP2217 | 0.5 | MGT1B | | Substation CDA | <1.5 | <2.0 | 1.4 | 5.6 | 44 | 258 | 742 | | | | | | | | | | | | | | | |
| TP2448 | 0.1 | MGT2B | ash | Substation CDA | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 21 | 239 | | | | | | | | | | | | | | | |
| TP2448 | 1 | MGT2A | ash | Substation CDA | | | | | | | | <3 | <4 | <2 | <4 | <10 | <10 | 60 | <0.04 | <0.2 | <2 | <2 | 12 | 50 | 169 | |
| TP2449 | 1 | MGT2C | PFA | Substation CDA | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 39 | | | | | | | | | | | | | | | |
| TP2449 | 0.3 | MGT1B | ash | Substation CDA | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 20 | 83 | | | | | | | | | | | | | | | |
| TP2395 | 0.3 | MGT1A | ash | Substation ROS | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 22 | 184 | | | | | | | | | | | | | | | |
| TP2291 | 1 | WTF | | SUDs pond 8 | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 57 | | | | | | | | | | | | | | | |
| BH1621 | 0.3 | MGT2B | | Ug diesel tank fuel | <1.5 | <2.0 | <1.0 | <2.0 | 167 | 534 | 1880 | | | | | | | | | | | | | | | |
| BH1621 | 1 | MGT2A | | Ug diesel tank fuel | <1.5 | <2.0 | 1.3 | 4.6 | <20 | 34 | 195 | | | | | | | | | | | | | | | |
| BH1621 | 3 | WTF | | Ug diesel tank fuel | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | |
| BH1621 | 6 | WTF | | Ug diesel tank fuel | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 47 | | | | | | | | | | | | | | | |
| TP2665 | 0.5 | MGT1A | brick | UST Fuel delineation | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | |
| TP3157 | 0.3 | MGT2A | | White Phos | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 21 | | | | | | | | | | | | | | | |
| TP2623 | 0.3 | MGT2A | coal | Works Dept | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 27 | 128 | | | | | | | | | | | | | | | |
| TP2173 | 0.15 | MGT1A | | | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | 12 | 47 | <0.02 | <0.1 | <1.0 | <1.0 | <10 | 36 | 131 | |
| TP2173 | 1 | LPF | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 41 | | | | | | | | | | | | | | | |
| TP2177 | 0.1 | MGT2A | ash | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 41 | 293 | | | | | | | | | | | | | | | |
| TP2120 | 0.1 | MGT2A | blaes | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 162 | | | | | | | | | | | | | | | |
| TP2138 | 0.1 | MGT2A | blaes | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 36 | 539 | | | | | | | | | | | | | | | |

Table 4.1
CDA ROS TPHs

 Detection limit above GSAC
 Exceeds GSAC
 Detected Above Reporting Limit (No GSAC)

| | | No. of Samples | 145 | 148 | 148 | 148 | 148 | 148 | 148 | 21 | 23 | 23 | 23 | 23 | 23 | 21 | 21 | 23 | 23 | 23 | 23 | 8 | 21 | | | | |
|----------|-------|-----------------|-------------------------|-----------|----------|-----------|------------|-------------|-------------|-------------|-------------|-----------------|------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------------|--------------------------|--------------------|---------------------|---------------------|---------------------|---------------------|-------|-----|
| | | Min | <1.5 | <1 | <1 | <1 | <20 | <20 | <20 | <1.5 | <2.0 | <1 | <2 | <10 | <10 | <20 | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | <20 | | | | |
| | | Mean | - | - | 1.7 | 3.7 | 44.6 | 94.6 | 400.9 | - | - | 1.5 | 7.3 | 64.9 | 132.1 | 84.4 | 0.0 | 0.3 | 1.3 | 3.6 | 26.2 | 144.0 | 66.1 | | | | |
| | | Max | <3 | <5 | 61.5 | 119.6 | 2190 | 2690 | 7840 | <3 | <4 | 7.3 | 108 | 1260 | 2710 | 885 | 0.05 | 3.6 | 7.3 | 45.6 | 367 | 915 | 335 | | | | |
| | | No. detected | 3 | 4 | 13 | 13 | 38 | 85 | 136 | 0 | 0 | 1 | 1 | 1 | 6 | 13 | 1 | 1 | 1 | 1 | 2 | 6 | 13 | | | | |
| | | Assess Criteria | 55 | 42000 | 7100 | 7500 | 7600 | 5800 | 5800 | 260000 | 290000 | 17000 | 18000 | 19000 | 380000 | 380000 | 55 | 42000 | 7100 | 7500 | 7600 | 5800 | 5800 | | | | |
| | | No. Exceeding | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Exp. Pt. | Depth | Material Type | Comments | Rationale | C5 to C6 | >C6 to C8 | >C8 to C10 | >C10 to C12 | >C12 to C16 | >C16 to C21 | >C21 to C40 | C5-C6 Aliphatic | >C6-C8 Aliphatic | >C8-C10 Aliphatic | >C10-C12 Aliphatic | >C12-C16 Aliphatic | >C16-C21 Aliphatic | >C21-C35 Aliphatic | C6-C7 Aromatic (Benzene) | >C7-C8 Aromatic(Toluene) | >EC8-EC10 Aromatic | >EC10-EC12 Aromatic | >EC12-EC16 Aromatic | >EC16-EC21 Aromatic | >EC21-EC35 Aromatic | | |
| | | | | | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | |
| TP2138 | 0.4 | MGT2A | | | | | | | | | | | | | | | | | | | | | | | | | |
| TP2179 | 0.15 | MGT1A | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 33 | 180 | | | | | | | | | | | | | | | | |
| TP2180 | 0.2 | MGT1A | | | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | | | | | | | | | | |
| TP2180 | 0.6 | MGT1A | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 90 | | | | | | | | | | | | | | | | |
| TP2181 | 0.3 | MGT1A | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 48 | 204 | | | | | | | | | | | | | | | | |
| TP2181 | 0.8 | MGT1A | | | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | 69 | 183 | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | 16 | 156 |
| TP2151 | 0.4 | MGT2A | blaes | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 25 | 92 | | | | | | | | | | | | | | | | |
| TP2153 | 0.1 | MGT1A | ceramic | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 59 | | | | | | | | | | | | | | | | |
| TP2153 | 1 | MGT1A | glass | | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | | | | | | | | | | |
| TP2149 | 1.1 | MGT1A | HC odour | | <1.5 | <2.0 | 1.1 | 2.2 | <20 | <20 | 109 | | | | | | | | | | | | | | | | |
| TP2149 | 2.1 | MGT1A | HC odour | | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | | | | | | | | | | |
| TP2164 | 0.5 | LPF | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 576 | | | | | | | | | | | | | | | | |
| TP1209 | 1.1 | MGT2B | ash blaes metal asphalt | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 62 | | | | | | | | | | | | | | | | |

Table 4.2
CDA Commercial TPHs

Detection limit above GSAC
Exceeds GSAC
Detected Above Reporting Limit (No GSAC)

| Exp. Pt. | Depth | Material Type | Comments | Rationale | No. of Samples | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|-------|---------------|-------------------------------|-----------------------------------|-----------------|----------|-----------|------------|------------|------------|------------|-----------------|-----------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------------|--------------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------|
| | | | | | 45 | 46 | 46 | 46 | 46 | 46 | 46 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 1 | 1 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 1 | |
| | | | | | Min | <1.5 | <1 | <1 | <2 | <20 | <20 | <20 | <1.5 | <1 | <2 | <10 | <10 | <20 | 84 | <1 | <0.02 | <0.1 | <1 | <1 | <10 | <10 | <20 | 60 | |
| | | | | | Mean | 2.4 | 2.9 | 13.4 | 63.2 | 205.6 | 742.8 | - | - | 1.5 | 5.5 | 43.0 | 80.3 | 133.8 | 84.0 | 0.0 | 0.2 | 1.2 | 2.5 | 27.0 | 51.7 | 71.4 | 60.0 | | |
| | | | | | Max | <3 | 5.2 | 75 | 499 | 1360 | 3050 | 8620 | <3 | <4 | 3.3 | 26.7 | 284 | 589 | 783 | 84 | <1 | 0.08 | 1 | 2 | 11.7 | 146 | 315 | 295 | 60 |
| | | | | | No. detected | 1 | 2 | 4 | 5 | 19 | 29 | 42 | 0 | 0 | 2 | 2 | 2 | 4 | 5 | 1 | 0 | 2 | 0 | 1 | 2 | 3 | 5 | 6 | 1 |
| | | | | | Assess Criteria | 15 | 35000 | 2000 | 11000 | 41000 | 53000 | 56000 | 4100 | 9700 | 1800 | 10000 | 42000 | 1000000 | 1000000 | 1000000 | 15 | 15 | 35000 | 2000 | 11000 | 41000 | 53000 | 56000 | 56000 |
| | | | | | No. Exceeding | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | C5 to C6 | C6 to C8 | C8 to C10 | C10 to C12 | C12 to C16 | C16 to C21 | C21 to C40 | C5-C6 Aliphatic | C6-C8 Aliphatic | C8-C10 Aliphatic | C10-C12 Aliphatic | C12-C16 Aliphatic | C16-C21 Aliphatic | C21-C35 Aliphatic | C21-C40 Aliphatic | C5 to C7 Aromatic | C6-C7 Aromatic (Benzene) | C7-C8 Aromatic (Toluene) | EC8-EC10 Aromatic | EC10-EC12 Aromatic | EC12-EC16 Aromatic | EC16-EC21 Aromatic | EC21-EC35 Aromatic | EC35-EC40 Aromatic | |
| | | | | | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg |
| TP2283 | 0.2 | MGT2A | ash | Misc open storage | <3 | <4 | <2 | <4 | 41 | 137 | 1610 | | | | | | | | | | | | | | | | | | |
| TP2310 | 0.1 | MGT2A | ceramic | UST Fuel delineation | <1.5 | <2.0 | 1.3 | <2.0 | 24 | 54 | 258 | | | | | | | | | | | | | | | | | | |
| TP2310 | 0.7 | MGT2A | ceramic | UST Fuel delineation | | | | | | | | | | | | | | | | | | | | | | | | | |
| TP2335 | 0.3 | MGT3 | ash | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 41 | | | | | | | | | | | | | | | | | | |
| TP2335 | 0.5 | MGT3 | ceramic | HC contamination | | | | | | | | | | | | | | | | | | | | | | | | | |
| TP2337 | 0.1 | MGT2B | ash | HC contamination | <1.5 | <2.0 | 1.3 | <2.0 | 35 | 75 | 407 | | | | | | | | | | | | | | | | | | |
| TP2337 | 0.5 | MGT2B | ash | HC contamination | | | | | | | | | | | | | | | | | | | | | | | | | |
| TP2338 | 0.2 | MGT2B | brick | HC contamination | | | | | | | | | | | | | | | | | | | | | | | | | |
| TP2338 | 0.5 | MGT2B | brick | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 21 | | | | | | | | | | | | | | | | | | |
| TP2620 | 0.2 | MGT1B | | Laundry | <1.5 | <2.0 | <1.0 | <2.0 | 201 | 1460 | 8620 | | | | | | | | | | | | | | | | | | |
| TP2210 | 0.4 | MGT1B | | White Phos Section | <1.5 | <2.0 | <1.0 | 3.8 | 30 | 30 | 213 | | | | | | | | | | | | | | | | | | |
| TP2455 | 0.1 | MGT1A | timber | AST acid | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 27 | | | | | | | | | | | | | | | | | | |
| TP2465 | 0.1 | MGT2B | ash/clinker | Boiler House 2 | 2 | 5.2 | 4.5 | 6.2 | 111 | 296 | 815 | | | | | | | | | | | | | | | | | | |
| TP2467 | 1.6 | MGT2A | ash | Boiler House 2 | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | | | | |
| TP2437 | 0.5 | WTF | | Substation CDA | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | | | | |
| TP2458 | 0.3 | MGT2B | ash | AST Fuel delineation | | | | | | | | | | | | | | | | | | | | | | | | | |
| TP2471 | 0.5 | MGT1A | | Hydro odour | <1.5 | 2.9 | 75 | 499 | 1360 | 3050 | 4170 | | | | | | | | | | | | | | | | | | |
| TP2471 | 0.9 | MGT1A | oily sheen | HC contamination | | | | | | | | | | | | | | | | | | | | | | | | | |
| TP2472 | 0.3 | MGT2B | ash | HC contamination | <1.5 | <2.0 | <1.0 | 2 | 34 | 88 | 321 | | | | | | | | | | | | | | | | | | |
| TP2472 | 0.5 | MGT2B | ash | HC contamination | | | | | | | | | | | | | | | | | | | | | | | | | |
| TP2473 | 0.3 | MGT2B | ash | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 24 | 70 | | | | | | | | | | | | | | | | | | |
| TP2473 | 2.1 | LPF | | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 31 | | | | | | | | | | | | | | | | | | |
| TP2438 | 0.3 | WTF | ash | Substation CDA | <1.5 | <2.0 | <1.0 | <2.0 | 22 | 97 | 1490 | | | | | | | | | | | | | | | | | | |
| TP2438 | 0.7 | WTF | | Substation CDA | | | | | | | | | | | | | | | | | | | | | | | | | |
| TP2439 | 0.1 | MGT2A | ash | Substation CDA | <3 | <4 | <2 | <4 | 60 | 1420 | 3220 | | | | | | | | | | | | | | | | | | |
| TP2427 | 0.3 | MGT1A | ash | AST acid | <3 | <4 | <2 | <4 | 25 | 77 | 313 | | | | | | | | | | | | | | | | | | |
| TP3116 | 0.5 | MGT2B | ash/clinker | Laundry | <1.5 | <2.0 | <1.0 | <2.0 | 186 | 1270 | 7540 | | | | | | | | | | | | | | | | | | |
| TP3116 | 3 | MGT1A | crushed brick | Laundry | <3 | <4 | <2 | <4 | 20 | 59 | 338 | | | | | | | | | | | | | | | | | | |
| TP3139 | 0.5 | MGT1B | | HC Contamination | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 26 | 125 | | | | | | | | | | | | | | | | | | |
| TP3139 | 0.5 | MGT1B | duplicate | HC Contamination | <3 | <4 | <2 | <4 | 23 | 60 | 222 | | | | | | | | | | | | | | | | | | |
| TP3140 | 0.75 | MGT2A | | HC Contamination | <3 | <4 | <2 | <4 | 40 | 126 | 561 | | | | | | | | | | | | | | | | | | |
| TP3158 | 0.1 | MGT2B | ash | White Phos | <3 | <4 | <2 | <4 | 24 | 43 | 130 | | | | | | | | | | | | | | | | | | |
| BH1231 | 0.5 | WTF | | Next to acetone AST and fuel USTs | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 31 | 127 | | | | | | | | | | | | | | | | | | |
| BH1231 | 8.5 | WTF | | Next to acetone AST and fuel USTs | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | | | | |
| TP1347 | 0.5 | MGT2B | ash | Fuel oil AST | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 97 | 175 | | | | | | | | | | | | | | | | | | |
| TP1347 | 1.55 | MGT1B | visible & strong olfactory HC | Fuel oil AST | | <1.0 | <1.0 | 7.1 | 63 | 130 | 150 | | <1.0 | <1.0 | 4.9 | 33 | 59 | | 84 | <1.0 | <1.0 | <1.0 | 1.7 | 27 | 39 | | 60 | | |
| TP1463 | 0.5 | LPF | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 60 | | | | | | | | | | | | | | | | | | |
| BH1134 | 0.3 | LPF | organic | White Phos Section | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 48 | 237 | | | | | | | | | | | | | | | | | | |
| TP1131 | 0.1 | MGT2A | clinker | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 47 | 256 | | | | | | | | | | | | | | | | | | |
| TP1138 | 0.1 | MGT2A | brick blaes tile glass | Fuel AST, Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 50 | 249 | | | | | | | | | | | | | | | | | | |
| TP1138 | 0.5 | LPF | | Fuel AST, Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 79 | | | | | | | | | | | | | | | | | | |
| TP1230 | 0.1 | MGT2A | | Acetone AST | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 145 | | | | | | | | | | | | | | | | | | |
| TP1240 | 0.1 | MGT1B | | Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 118 | | | | | | | | | | | | | | | | | | |
| TP1328 | 0.3 | MGT1B | no tub | Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 38 | | | | | | | | | | | | | | | | | | |
| TP1210 | 0.1 | MGT2B | ash | Fuel UST, Rail | <1.5 | <2.0 | <1.0 | <2.0 | 34 | 59 | 256 | | | | | | | | | | | | | | | | | | |
| TP1232 | 0.3 | MGT1B | | Fuel UST, Rail | <1.5 | <2.0 | <1.0 | <2.0 | 33 | 112 | 549 | | | | | | | | | | | | | | | | | | |
| TP1232 | 2.5 | LPF | | Fuel UST, Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 58 | | | | | | | | | | | | | | | | | | |
| TP1236 | 0.3 | MGT2A | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 57 | 238 | | | | | | | | | | | | | | | | | | |
| TP1236 | 0.5 | LPF | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | | | | |
| TP1244 | 0.1 | MGT2A | brick glass tile charcoal | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 26 | | | | | | | | | | | | | | | | | | | |

Table 4.3
ROS TPHs

Detection limit above GSAC
Exceeds GSAC
Detected Above Reporting Limit (No GSAC)

| | | | | No. of Samples | 313 | 314 | 314 | 314 | 316 | 316 | 316 | 32 | 35 | 35 | 35 | 35 | 35 | 32 | 3 | 1 | 5 | 33 | 35 | 35 | 35 | 35 | 32 | |
|----------|-------|---------------|-----------------|-----------------------------|----------|-----------|------------|-------------|-------------|-------------|-------------|-----------------|------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------------|---------------------------|--------------------|---------------------|---------------------|---------------------|---------------------|--|
| | | | | Min | <1.5 | <2 | <1 | <2 | <20 | <20 | <20 | <1.5 | <1 | <1 | <2 | <10 | <10 | <20 | 44 | <1 | <0.02 | <0.1 | <1 | <1 | <10 | <10 | <20 | |
| | | | | Mean | 1.9 | 2.6 | 2.4 | 8.1 | 57.1 | 196.3 | 612.9 | 1.9 | 2.6 | 5.7 | 28.9 | 89.0 | 131.4 | 103.5 | 50.7 | - | 0.0 | 0.2 | 1.7 | 7.3 | 27.3 | 62.2 | 109.0 | |
| | | | | Max | 18 | 24 | 208 | 1010 | 4750 | 11700 | 22200 | 6 | 8 | 46.4 | 226 | 1230 | 2660 | 902 | 63 | <1 | 0.09 | 1 | 5.2 | 78.6 | 288 | 660 | 1680 | |
| | | | | No. detected | 11 | 11 | 38 | 33 | 113 | 185 | 289 | 1 | 0 | 9 | 10 | 14 | 19 | 21 | 3 | 0 | 4 | 1 | 5 | 11 | 9 | 16 | 15 | |
| | | | | Assess Criteria | 55 | 42000 | 7100 | 7500 | 7600 | 5800 | 5800 | 260000 | 290000 | 17000 | 18000 | 19000 | 380000 | 380000 | 380000 | 55 | 55 | 42000 | 7100 | 7500 | 7600 | 5800 | 5800 | |
| | | | | No. Exceeding | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Exp. Pt. | Depth | Material Type | Comments | Rationale | C5 to C6 | >C6 to C8 | >C8 to C10 | >C10 to C12 | >C12 to C16 | >C16 to C21 | >C21 to C40 | C5-C6 Aliphatic | >C6-C8 Aliphatic | >C8-C10 Aliphatic | >C10-C12 Aliphatic | >C12-C16 Aliphatic | >C16-C21 Aliphatic | >C21-C35 Aliphatic | >C35-C40 Aliphatic | >C40-C55 Aliphatic | C6-C7 Aromatic (Benzene) | >C7-C8 Aromatic (Toluene) | >EC9-EC10 Aromatic | >EC10-EC12 Aromatic | >EC12-EC16 Aromatic | >EC16-EC21 Aromatic | >EC21-EC35 Aromatic | |
| HA1388 | 0.1 | CPF | | | <4.5 | <6.0 | <3.0 | <6.0 | 156 | 223 | 5580 | | | | | | | | | | | | | | | | | |
| HA1526 | 0.1 | CPF | | Agriculture | <18.0 | <24.0 | <12.0 | <24.0 | 53 | 66 | 1800 | | | | | | | | | | | | | | | | | |
| HA1526 | 0.4 | CPF | | Agriculture | <18.0 | <24.0 | <12.0 | <24.0 | 125 | 137 | 3560 | | | | | | | | | | | | | | | | | |
| HA1521 | 0.1 | CPF | | Agriculture | | | | | 160 | 266 | 6900 | | | | | | | | | | | | | | | | | |
| HA1523 | 0.9 | CPF | | Agriculture | | | | | 49 | 79 | 4890 | | | | | | | | | | | | | | | | | |
| HA1525 | 0.1 | CPF | | Agriculture | <4.5 | <6.0 | <3.0 | <6.0 | 64 | 200 | 1530 | | | | | | | | | | | | | | | | | |
| TP1439 | 1.6 | CPF | | Ash | <1.5 | <2.0 | <1.0 | <2.0 | 131 | 255 | 2360 | | | | | | | | | | | | | | | | | |
| TP1437 | 1.6 | CPF | | Ash | <1.5 | <2.0 | <1.0 | <2.0 | 122 | 229 | 1780 | | | | | | | | | | | | | | | | | |
| BH2643 | 0.1 | CPF | | ROS shallow compliance | <3 | <4 | <2 | <4 | 74 | 129 | 1540 | | | | | | | | | | | | | | | | | |
| TP1141 | 0.2 | HSTD | clinker | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 24 | 136 | | | | | | | | | | | | | | | | | |
| HS3143 | 0.2 | HSTD | | Coal Storage | 3.8 | 4.5 | 6.5 | 8 | 230 | 338 | 818 | | | | | | | | | | | | | | | | | |
| HS3143 | 0.2 | HSTD | | Coal Storage | 3 | 4.2 | 5.7 | 7.2 | 281 | 444 | 1210 | | | | | | | | | | | | | | | | | |
| HS3144 | 0.2 | HSTD | | Coal Storage | 1.7 | 2.6 | 3.6 | 4.7 | 195 | 321 | 878 | | | | | | | | | | | | | | | | | |
| HS3144 | 0.2 | HSTD | | Coal Storage | 1.7 | 3.1 | 3.5 | 4.3 | 173 | 273 | 745 | | | | | | | | | | | | | | | | | |
| TP2491 | 0.2 | HSTD | Bonded asbestos | Possible tip ammo breakdown | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 29 | 1320 | | | | | | | | | | | | | | | | | |
| HA1395 | 0.1 | KF | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 258 | | | | | | | | | | | | | | | | | |
| TP1045 | 0.3 | KF | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | | | |
| TP2573 | 0.1 | KF | | Burning Ground delineation | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 116 | | | | | | | | | | | | | | | | | |
| TP2572 | 0.2 | KF | | Burning Ground delineation | <1.5 | <2.0 | <1.0 | <2.0 | 24 | 23 | 71 | | | | | | | | | | | | | | | | | |
| BH2061 | 0.1 | KF | looks reworked | Delineation Boghall | <1.5 | <2.0 | <1.0 | <2.0 | 27 | 86 | 580 | | | | | | | | | | | | | | | | | |
| TP2375 | 0.5 | KF | | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 20 | | | | | | | | | | | | | | | | | |
| TP2482 | 0.5 | KF | | Possible tip ammo breakdown | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 29 | | | | | | | | | | | | | | | | | |
| TP1407 | 1.9 | KF | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 183 | | | | | | | | | | | | | | | | | |
| HA1385 | 0.1 | LPF | | | <1.5 | <2.0 | <1.0 | <2.0 | 23 | 53 | 708 | | | | | | | | | | | | | | | | | |
| HA1488 | 0.1 | LPF | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 79 | | | | | | | | | | | | | | | | | |
| TP1289 | 0.8 | LPF | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | | | |
| TP1296 | 1.2 | LPF | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 39 | | | | | | | | | | | | | | | | | |
| TP1305 | 1.2 | LPF | organic odour | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 494 | | | | | | | | | | | | | | | | | |
| TP1393 | 0.7 | LPF | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 134 | | | | | | | | | | | | | | | | | |
| HA1039 | 0.1 | LPF | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 73 | | | | | | | | | | | | | | | | | |
| TP1145 | 0.5 | LPF | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 21 | | | | | | | | | | | | | | | | | |
| TP1163 | 0.5 | LPF | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | | | |
| TP1274 | 0.5 | LPF | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 45 | | | | | | | | | | | | | | | | | |
| HA1508 | 0.1 | LPF | | Agriculture | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 70 | | | | | | | | | | | | | | | | | |
| TP1413 | 2.6 | LPF | | Burning ground | <1.5 | <2.0 | 8.8 | 31.9 | 45 | <20 | 62 | | | | | | | | | | | | | | | | | |
| TP2571 | 0.5 | LPF | | Burning Ground delineation | <3 | <4 | <2 | <4 | 22 | 44 | 338 | | | | | | | | | | | | | | | | | |
| TP2568 | 1 | LPF | | Burning Ground delineation | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 23 | | | | | | | | | | | | | | | | | |
| TP2563 | 0.6 | LPF | | Burning Ground delineation | <3 | <4 | <2 | <4 | <20 | <20 | 410 | | | | | | | | | | | | | | | | | |
| TP2258 | 0.9 | LPF | | Burning Ground delineation | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 50 | | | | | | | | | | | | | | | | | |
| TP1506 | 2.5 | LPF | | Fuel AST | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 25 | | | | | | | | | | | | | | | | | |
| TP2475 | 0.8 | LPF | | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 47 | | | | | | | | | | | | | | | | | |
| TP2580 | 1 | LPF | | HC contamination | <3 | <4 | <2 | <4 | 23 | 60 | 1550 | | | | | | | | | | | | | | | | | |

**Table 4.3
ROS TPHs**

Detection limit above GSAC
Exceeds GSAC
Detected Above Reporting Limit (No GSAC)

| | | | | No. of Samples | 313 | 314 | 314 | 314 | 316 | 316 | 316 | 32 | 35 | 35 | 35 | 35 | 35 | 32 | 3 | 1 | 5 | 33 | 35 | 35 | 35 | 35 | 32 | |
|----------|------------|----------------------------------|----------------------------------|---|----------|-----------|------------|-------------|-------------|-------------|-------------|-----------------|------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|--------------------------|---------------------------|--------------------|---------------------|---------------------|---------------------|---------------------|-----|
| | | | | Min | <1.5 | <2 | <1 | <2 | <20 | <20 | <20 | <1.5 | <1 | <1 | <2 | <10 | <10 | <20 | 44 | <1 | <0.02 | <0.1 | <1 | <1 | <10 | <10 | <20 | |
| | | | | Mean | 1.9 | 2.6 | 2.4 | 8.1 | 57.1 | 196.3 | 612.9 | 1.9 | 2.6 | 5.7 | 28.9 | 89.0 | 131.4 | 103.5 | 50.7 | - | 0.0 | 0.2 | 1.7 | 7.3 | 27.3 | 62.2 | 109.0 | |
| | | | | Max | 18 | 24 | 208 | 1010 | 4750 | 11700 | 22200 | 6 | 8 | 46.4 | 226 | 1230 | 2660 | 902 | 63 | <1 | 0.09 | 1 | 5.2 | 78.6 | 288 | 660 | 1680 | |
| | | | | No. detected | 11 | 11 | 38 | 33 | 113 | 185 | 289 | 1 | 0 | 9 | 10 | 14 | 19 | 21 | 3 | 0 | 4 | 1 | 5 | 11 | 9 | 16 | 15 | |
| | | | | Assess Criteria | 55 | 42000 | 7100 | 7500 | 7600 | 5800 | 5800 | 260000 | 290000 | 17000 | 18000 | 19000 | 380000 | 380000 | 380000 | 55 | 55 | 42000 | 7100 | 7500 | 7600 | 5800 | 5800 | |
| | | | | No. Exceeding | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Exp. Pt. | Depth | Material Type | Comments | Rationale | C5 to C6 | >C6 to C8 | >C8 to C10 | >C10 to C12 | >C12 to C16 | >C16 to C21 | >C21 to C40 | C5-C6 Aliphatic | >C6-C8 Aliphatic | >C8-C10 Aliphatic | >C10-C12 Aliphatic | >C12-C16 Aliphatic | >C16-C21 Aliphatic | >C21-C35 Aliphatic | >C35-C40 Aliphatic | >C40-C55 Aromatic | C6-C7 Aromatic (Benzene) | >C7-C8 Aromatic (Toluene) | >EC8-EC10 Aromatic | >EC10-EC12 Aromatic | >EC12-EC16 Aromatic | >EC16-EC21 Aromatic | >EC21-EC35 Aromatic | |
| TP2582 | 1.1 LPF | | | HC contamination | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | <20 | | | | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | <20 |
| TP2576 | 1.9 LPF | | | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 53 | | | | | | | | | | | | | | | | | |
| TP2376 | 1.2 LPF | | | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 40 | | | | | | | | | | | | | | | | | |
| TP2374 | 1.3 LPF | | | HC contamination | <1.5 | <2.0 | 1.7 | 2 | <20 | <20 | 94 | | | | | | | | | | | | | | | | | |
| TP3164 | 1.1 LPF | | strong HC odour | HC Contamination | | | | | | | | <3 | <4 | 19.9 | 152 | 118 | 239 | 157 | | | <0.04 | <0.2 | <2 | 32 | 37 | 90 | 88 | |
| TP3164 | 1.1 LPF | | | HC Contamination | | | | | | | | <1.5 | <2.0 | 16 | 126 | 271 | 435 | 162 | | | <0.02 | <0.1 | <1.0 | 25.6 | 83 | 168 | 77 | |
| BH2353 | 0.1 LPF | reworked | | Intermediate hydro | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 257 | | | | | | | | | | | | | | | | | |
| TP2087 | 0.5 LPF | | | MG outside 24/305C | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 40 | | | | | | | | | | | | | | | | | |
| TP2715 | 0.5 LPF | | | Netherfield | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 67 | | | | | | | | | | | | | | | | | |
| TP2717 | 0.5 LPF | | | Netherfield | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 81 | | | | | | | | | | | | | | | | | |
| HA2657 | 0.25 LPF | | | Possible Asbestos Tip | 1.7 | <2.0 | <1.0 | <2.0 | <20 | 28 | 188 | | | | | | | | | | | | | | | | | |
| TP1286 | 1.4 LPF | Hydrocarbon odour | | Rail | | | | | | | | | <5.0 | 10 | 70 | 300 | 280 | | | | | | | <5.0 | 6.7 | 83 | 170 | |
| TP1286 | 2.5 LPF | | Strong hydrocarbon odour & sheen | Rail | <1.5 | <2.0 | <1.0 | 23.5 | 24 | 80 | 98 | | | | | | | | | | | | | | | | | |
| TP1423 | 0.5 LPF | | visible and strong odour HC | Road | <1.5 | <2.0 | <1.0 | 8.7 | 726 | 1410 | 1200 | | <5.0 | <5.0 | 20 | 110 | 110 | | | | | | | <5.0 | <5.0 | 30 | 67 | |
| TP1423 | 3.2 LPF | | | Road | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 83 | | | | | | | | | | | | | | | | | |
| TP2550 | 0.5 LPF | | | Scrap store | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 26 | | | | | | | | | | | | | | | | | |
| TP2241 | 0.5 LPF | rootlets | | Substation ROS | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 38 | | | | | | | | | | | | | | | | | |
| TP1422 | 1.2 LPF | | strong HC odour | | <1.5 | <2.0 | 1.5 | 13.2 | 65 | 88 | 250 | | | | | | | | | | | | | | | | | |
| TP1422 | 1.8 LPF | | | | <1.5 | <2.0 | 1.7 | 22.8 | 55 | 129 | 98 | | | | | | | | | | | | | | | | | |
| TP1042 | 2.3 LPF | | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | | | |
| TP1421 | 0.1 MGT1A | | | | <1.5 | <2.0 | <1.0 | <2.0 | 24 | 69 | 402 | | | | | | | | | | | | | | | | | |
| TP1289 | 0.3 MGT1A | | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 80 | | | | | | | | | | | | | | | | | |
| TP1484 | 0.1 MGT1A | | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 101 | | | | | | | | | | | | | | | | | |
| TP1497 | 0.25 MGT1A | | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | | | |
| TP1274 | 0.3 MGT1A | | | | <1.5 | <2.0 | <1.0 | <2.0 | 44 | 243 | | | | | | | | | | | | | | | | | | |
| BH1306 | 0.1 MGT1A | | | Acetone AST. Rail. Road | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 63 | 629 | | | | | | | | | | | | | | | | | |
| TP3201 | 0.3 MGT1A | PFA | | Ash | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | | | |
| TP3201 | 0.3 MGT1A | PFA | | Ash | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 22 | | | | | | | | | | | | | | | | | |
| TP2382 | 0.5 MGT1A | | | AST Acetone | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | 36 | 74 | | | <0.02 | <0.1 | <1.0 | <1.0 | <10 | 13 | 27 | |
| TP2483 | 1 MGT1A | timber metal brick ceramics wire | | AST acid | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 79 | | | | | | | | | | | | | | | | | |
| BH2414 | 0.5 MGT1A | RWN | | AST acid | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 102 | | | | | | | | | | | | | | | | | |
| TP2053 | 0.3 MGT1A | | | AST acid | <1.5 | <2.0 | <1.0 | <2.0 | 335 | 3560 | 15800 | | | | | | | | | | | | | | | | | |
| TP1413 | 0.6 MGT1A | HC odour | | Burning ground | <1.5 | <2.0 | 58.2 | 437.4 | 88 | 21 | 29 | | | | | | | | | | | | | | | | | |
| BH1297 | 0.1 MGT1A | | | D/s of potential sources in Quarry Circle, Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 159 | | | | | | | | | | | | | | | | | |
| TP2700 | 0.35 MGT1A | HC odour | | Devices Georgetown | | | | | | | | <1.5 | <2.0 | 46.4 | 49.3 | 53 | 35 | 167 | | | 0.05 | <0.1 | 2.2 | 8.8 | 11 | 16 | 59 | |
| TP2700 | 0.35 MGT1A | HC odour | | Devices Georgetown | | | | | | | | <1.5 | <2.0 | 11 | 41.3 | 44 | 13 | 72 | | | 0.09 | <0.1 | 2.4 | 8.3 | <10 | <10 | 27 | |
| TP3122 | 0.1 MGT1A | brick | | Disturbed ground | <3 | <4 | <2 | <4 | 28 | 71 | 265 | | | | | | | | | | | | | | | | | |
| TP3124 | 0.1 MGT1A | | | Disturbed ground | <3 | <4 | <2 | <4 | <20 | 23 | 106 | | | | | | | | | | | | | | | | | |
| HS3178 | 0.2 MGT1A | | | Gaps | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 82 | | | | | | | | | | | | | | | | | |
| TP2476 | 0.1 MGT1A | reworked | | HC contamination | <3 | <4 | <2 | <4 | 23 | 103 | 690 | | | | | | | | | | | | | | | | | |
| TP2476 | 0.6 MGT1A | brick | | HC contamination | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | <20 | | | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | <20 | |
| TP2524 | 0.7 MGT1A | brick and conc | | HC contamination | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | <20 | | | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | <20 | |

Table 4.3
ROS TPHs

Detection limit above GSAC
Exceeds GSAC
Detected Above Reporting Limit (No GSAC)

| | | | | No. of Samples | 313 | 314 | 314 | 314 | 316 | 316 | 316 | 32 | 35 | 35 | 35 | 35 | 35 | 32 | 3 | 1 | 5 | 33 | 35 | 35 | 35 | 35 | 32 | |
|----------|-------|---------------|--------------------------|-----------------------------|----------|-----------|------------|-------------|-------------|-------------|-------------|-----------------|------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------------|---------------------------|--------------------|---------------------|---------------------|---------------------|---------------------|-----|
| | | | | Min | <1.5 | <2 | <1 | <2 | <20 | <20 | <20 | <1.5 | <1 | <1 | <2 | <10 | <10 | <20 | 44 | <1 | <0.02 | <0.1 | <1 | <1 | <10 | <10 | <20 | |
| | | | | Mean | 1.9 | 2.6 | 2.4 | 8.1 | 57.1 | 196.3 | 612.9 | 1.9 | 2.6 | 5.7 | 28.9 | 89.0 | 131.4 | 103.5 | 50.7 | - | 0.0 | 0.2 | 1.7 | 7.3 | 27.3 | 62.2 | 109.0 | |
| | | | | Max | 18 | 24 | 208 | 1010 | 4750 | 11700 | 22200 | 6 | 8 | 46.4 | 226 | 1230 | 2660 | 902 | 63 | <1 | 0.09 | 1 | 5.2 | 78.6 | 288 | 660 | 1680 | |
| | | | | No. detected | 11 | 11 | 38 | 33 | 113 | 185 | 289 | 1 | 0 | 9 | 10 | 14 | 19 | 21 | 3 | 0 | 4 | 1 | 5 | 11 | 9 | 16 | 15 | |
| | | | | Assess Criteria | 55 | 42000 | 7100 | 7500 | 7600 | 5800 | 5800 | 260000 | 290000 | 17000 | 18000 | 19000 | 380000 | 380000 | 380000 | 55 | 55 | 42000 | 7100 | 7500 | 7600 | 5800 | 5800 | |
| | | | | No. Exceeding | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Exp. Pt. | Depth | Material Type | Comments | Rationale | C5 to C6 | >C6 to C8 | >C8 to C10 | >C10 to C12 | >C12 to C16 | >C16 to C21 | >C21 to C40 | C5-C6 Aliphatic | >C6-C8 Aliphatic | >C8-C10 Aliphatic | >C10-C12 Aliphatic | >C12-C16 Aliphatic | >C16-C21 Aliphatic | >C21-C35 Aliphatic | >C35-C40 Aliphatic | >C40-C55 Aliphatic | C6-C7 Aromatic (Benzene) | >C7-C8 Aromatic (Toluene) | >EC8-EC10 Aromatic | >EC10-EC12 Aromatic | >EC12-EC16 Aromatic | >EC16-EC21 Aromatic | >EC21-EC35 Aromatic | |
| TP2527 | 0.2 | MGT1A | brick and conc | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 120 | | | | | | | | | | | | | | | | | |
| TP2576 | 0.5 | MGT1A | Old topsoil | HC contamination | <3 | 11.1 | 208 | 1010 | 4750 | 1950 | 984 | | | | | | | | | | | | | | | | | |
| TP2576 | 1.1 | MGT1A | Slight HC odour | HC contamination | | | | | | | | <1.5 | <2.0 | 30.4 | 219 | 242 | | | | | | <0.02 | <0.1 | 5.2 | 53.1 | 54 | 28 | <20 |
| TP2577 | 0.6 | MGT1A | Old topsoil | HC contamination | | | | | | | | <3 | <4 | 21.4 | 226 | 1230 | 2660 | | | | | <0.04 | <0.2 | 2.8 | 78.6 | 288 | 660 | 390 |
| TP2522 | 1.1 | MGT1A | brick frags | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 40 | 117 | | | | | | | | | | | | | | | | | |
| TP2577 | 1.1 | MGT1A | | HC contamination | <1.5 | <2.0 | 7.2 | 105 | 307 | 449 | 202 | | | | | | | | | | | | | | | | | |
| TP2373 | 0.1 | MGT1A | | HC contamination | <3 | <4 | <2 | <4 | <20 | <20 | 154 | | | | | | | | | | | | | | | | | |
| TP2519 | 0.2 | MGT1A | brick and conc frags | Possible tip ammo breakdown | <3 | <4 | <2 | <4 | <20 | <20 | 147 | | | | | | | | | | | | | | | | | |
| TP2486 | 0.2 | MGT1A | | Possible tip ammo breakdown | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 22 | | | | | | | | | | | | | | | | | |
| HA1468 | 0.4 | MGT1A | | Proof range | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 48 | | | | | | | | | | | | | | | | | |
| TP2559 | 0.3 | MGT1A | Old topsoil | Scrap compound | <1.5 | <2.0 | <1.0 | <2.0 | 60 | 146 | 446 | | | | | | | | | | | | | | | | | |
| TP2552 | 0.5 | MGT1A | Old topsoil | Scrap store | <1.5 | <2.0 | <1.0 | <2.0 | 28 | 62 | 328 | | | | | | | | | | | | | | | | | |
| TP1345 | 0.3 | MGT1A | type 1 | Substation | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 31 | 645 | | | | | | | | | | | | | | | | | |
| TP2396 | 0.2 | MGT1A | organic odour | Substation ROS | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 39 | 281 | | | | | | | | | | | | | | | | | |
| TP2396 | 0.6 | MGT1A | organic odour | Substation ROS | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | 115 | 189 | | | | <0.02 | <0.1 | <1.0 | <1.0 | <10 | 11 | 51 |
| TP2444 | 0.2 | MGT1A | glass | Substation ROS | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 25 | 87 | | | | | | | | | | | | | | | | | |
| TP2500 | 0.5 | MGT1A | | Substation ROS | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 46 | | | | | | | | | | | | | | | | | |
| TP2498 | 0.2 | MGT1A | roof felt ASBESTOS | Substation ROS | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | 26 | 95 | | | | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | 31 |
| TP2055 | 0.3 | MGT1A | Basalt/Granite gravel | Substation ROS | <1.5 | <2.0 | <1.0 | 2.6 | 50 | 211 | 1980 | | | | | | | | | | | | | | | | | |
| TP2056 | 1.5 | MGT1A | slight hydrocarbon smell | Substation ROS | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | <20 | | | | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | <20 |
| TP2239 | 0.4 | MGT1A | | Substation ROS | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 52 | | | | | | | | | | | | | | | | | |
| TP2393 | 1 | MGT1A | brick | Substation ROS | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 62 | | | | | | | | | | | | | | | | | |
| TP2393 | 1 | MGT1A | brick | Substation ROS | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 69 | | | | | | | | | | | | | | | | | |
| TP2077 | 0.1 | MGT1A | | Uncontrolled Waste Tips | <3 | <4 | <2 | <4 | <20 | <20 | 227 | | | | | | | | | | | | | | | | | |
| TP2078 | 0.3 | MGT1A | brick | Uncontrolled Waste Tips | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 100 | | | | | | | | | | | | | | | | | |
| TP2081 | 0.3 | MGT1A | concrete | Uncontrolled Waste Tips | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 681 | | | | | | | | | | | | | | | | | |
| TP2722 | 0.5 | MGT1A | bricks | Uncontrolled Waste Tips | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 34 | | | | | | | | | | | | | | | | | |
| TP2724 | 0.5 | MGT1A | | Uncontrolled Waste Tips | <1.5 | <2.0 | 1.1 | <2.0 | 23 | 77 | 346 | | | | | | | | | | | | | | | | | |
| TP3111 | 1.1 | MGT1A | Old tip: Brick | Uncontrolled Waste Tips | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 69 | 2080 | | | | | | | | | | | | | | | | | |
| TP3107 | 0.1 | MGT1A | ash | Uncontrolled Waste Tips | <1.5 | <2.0 | <1.0 | <2.0 | 32 | 111 | 510 | | | | | | | | | | | | | | | | | |
| TP3107 | 0.1 | MGT1A | ash | Uncontrolled Waste Tips | <1.5 | <2.0 | <1.0 | <2.0 | 29 | 104 | 476 | | | | | | | | | | | | | | | | | |
| TP3108 | 0.35 | MGT1A | ash | Uncontrolled Waste Tips | <1.5 | <2.0 | <1.0 | 2.2 | 26 | 85 | 342 | | | | | | | | | | | | | | | | | |
| TP3108 | 0.35 | MGT1A | ash | Uncontrolled Waste Tips | <1.5 | <2.0 | <1.0 | <2.0 | 28 | 102 | 380 | | | | | | | | | | | | | | | | | |
| TP3108 | 1.6 | MGT1A | | Uncontrolled Waste Tips | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 43 | | | | | | | | | | | | | | | | | |
| HS1593 | 0.05 | MGT1B | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 213 | | | | | | | | | | | | | | | | | |
| TP1377 | 0.9 | MGT1B | oily residue | | <1.0 | 7.6 | 49 | 340 | 370 | 130 | | <1.0 | 3.3 | 40 | 230 | 200 | | | | | 63 | <1.0 | <1.0 | 2 | 4 | 75 | 110 | |
| TP1392 | 0.3 | MGT1B | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 31 | | | | | | | | | | | | | | | | | |
| TP1296 | 0.2 | MGT1B | brick tile charcoal | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 32 | 300 | | | | | | | | | | | | | | | | | |
| TP1304 | 0.2 | MGT1B | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 402 | | | | | | | | | | | | | | | | | |
| TP1304 | 0.4 | MGT1B | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 107 | | | | | | | | | | | | | | | | | |
| TP1305 | 0.3 | MGT1B | tile | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 34 | 307 | | | | | | | | | | | | | | | | | |
| TP1393 | 0.1 | MGT1B | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 111 | | | | | | | | | | | | | | | | | |

**Table 4.3
ROS TPHs**

Detection limit above GSAC
Exceeds GSAC
Detected Above Reporting Limit (No GSAC)

| | | | | No. of Samples | 313 | 314 | 314 | 314 | 316 | 316 | 316 | 32 | 35 | 35 | 35 | 35 | 35 | 32 | 3 | 1 | 5 | 33 | 35 | 35 | 35 | 35 | 32 | |
|----------|-------|---------------|--------------------------------|-----------------------------|----------|-----------|------------|-------------|-------------|-------------|-------------|-----------------|------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|--------------------------|---------------------------|--------------------|---------------------|---------------------|---------------------|---------------------|--|
| | | | | Min | <1.5 | <2 | <1 | <2 | <20 | <20 | <20 | <1.5 | <1 | <1 | <2 | <10 | <10 | <20 | 44 | <1 | <0.02 | <0.1 | <1 | <1 | <10 | <10 | <20 | |
| | | | | Mean | 1.9 | 2.6 | 2.4 | 8.1 | 57.1 | 196.3 | 612.9 | 1.9 | 2.6 | 5.7 | 28.9 | 89.0 | 131.4 | 103.5 | 50.7 | - | 0.0 | 0.2 | 1.7 | 7.3 | 27.3 | 62.2 | 109.0 | |
| | | | | Max | 18 | 24 | 208 | 1010 | 4750 | 11700 | 22200 | 6 | 8 | 46.4 | 226 | 1230 | 2660 | 902 | 63 | <1 | 0.09 | 1 | 5.2 | 78.6 | 288 | 660 | 1680 | |
| | | | | No. detected | 11 | 11 | 38 | 33 | 113 | 185 | 289 | 1 | 0 | 9 | 10 | 14 | 19 | 21 | 3 | 0 | 4 | 1 | 5 | 11 | 9 | 16 | 15 | |
| | | | | Assess Criteria | 55 | 42000 | 7100 | 7500 | 7600 | 5800 | 5800 | 260000 | 290000 | 17000 | 18000 | 19000 | 380000 | 380000 | 380000 | 55 | 55 | 42000 | 7100 | 7500 | 7600 | 5800 | 5800 | |
| | | | | No. Exceeding | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Exp. Pt. | Depth | Material Type | Comments | Rationale | C5 to C6 | >C6 to C8 | >C8 to C10 | >C10 to C12 | >C12 to C16 | >C16 to C21 | >C21 to C40 | C5-C6 Aliphatic | >C6-C8 Aliphatic | >C8-C10 Aliphatic | >C10-C12 Aliphatic | >C12-C16 Aliphatic | >C16-C21 Aliphatic | >C21-C35 Aliphatic | >C35-C40 Aliphatic | >C40 to C7 Aromatic | C6-C7 Aromatic (Benzene) | >C7-C8 Aromatic (Toluene) | >EC8-EC10 Aromatic | >EC10-EC12 Aromatic | >EC12-EC16 Aromatic | >EC16-EC21 Aromatic | >EC21-EC35 Aromatic | |
| TP1364 | 0.25 | MGT1B | wood | Acid Ast. Road | <1.5 | <2.0 | <1.0 | <2.0 | 97 | 11700 | 2750 | | | | | | | | | | | | | | | | | |
| TP1166 | 0.3 | MGT1B | | Ash | <1.5 | <2.0 | <1.0 | <2.0 | 29 | 217 | | | | | | | | | | | | | | | | | | |
| TP1362 | 0.3 | MGT1B | | Ash | <1.5 | <2.0 | <1.0 | <2.0 | 29 | 217 | | | | | | | | | | | | | | | | | | |
| TP1144 | 0.2 | MGT1B | type 1 | Burning ground | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | | | |
| TP1149 | 0.3 | MGT1B | | Burning ground | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | | | |
| TP2565 | 0.1 | MGT1B | glass/ ceramic | Burning Ground delineation | <3 | <4 | <2 | <4 | 21 | 40 | 259 | | | | | | | | | | | | | | | | | |
| TP2570 | 0.2 | MGT1B | brick | Burning Ground delineation | <1.5 | <2.0 | <1.0 | <2.0 | 39 | 138 | 1430 | | | | | | | | | | | | | | | | | |
| TP2574 | 0.2 | MGT1B | ash | Burning Ground delineation | <3 | <4 | <2 | <4 | 21 | 95 | 430 | | | | | | | | | | | | | | | | | |
| TP2255 | 0.4 | MGT1B | | Burning Ground delineation | <1.5 | <2.0 | <1.0 | <2.0 | 28 | 96 | 566 | | | | | | | | | | | | | | | | | |
| TP1409 | 0.1 | MGT1B | | Burning ground. Road | <1.5 | <2.0 | 3.6 | 28.3 | 173 | 1460 | 7190 | | | | | | | | | | | | | | | | | |
| TP2556 | 0.1 | MGT1B | Brick | Disturbed ground | <1.5 | <2.0 | <1.0 | <2.0 | 23 | 42 | 157 | | | | | | | | | | | | | | | | | |
| TP2557 | 0.5 | MGT1B | | Disturbed ground | <1.5 | <2.0 | <1.0 | <2.0 | 43 | 78 | 190 | | | | | | | | | | | | | | | | | |
| TP2542 | 0.5 | MGT1B | brick | Disturbed ground | <3 | <4 | <2 | <4 | <20 | <20 | 55 | | | | | | | | | | | | | | | | | |
| TP1259 | 0.3 | MGT1B | | Fills gap in Fil. Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 141 | | | | | | | | | | | | | | | | | |
| HA3105 | 0.3 | MGT1B | | Gaps | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 350 | | | | | | | | | | | | | | | | | |
| TP2525 | 0.5 | MGT1B | brick and conc | HC contamination | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | <20 | | | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | <20 | |
| TP2526 | 0.4 | MGT1B | brick and conc | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 143 | | | | | | | | | | | | | | | | | |
| TP2527 | 0.5 | MGT1B | brick and conc | HC contamination | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | <20 | | | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | <20 | |
| TP2581 | 0.1 | MGT1B | brick | HC contamination | 4.8 | 10.8 | 8.2 | 7.2 | 370 | 589 | 1510 | | | | | | | | | | | | | | | | | |
| TP2581 | 0.6 | MGT1B | organic matter | HC contamination | <3 | <4 | <2 | <4 | 20 | 67 | 528 | | | | | | | | | | | | | | | | | |
| TP2578 | 0.7 | MGT1B | Old topsoil | HC contamination | <3 | <4 | <2 | <4 | 52 | 103 | 733 | | | | | | | | | | | | | | | | | |
| TP1629 | 0.3 | MGT1B | | MG Netherfield Tip 2 | <1.5 | <2.0 | <1.0 | <2.0 | 52 | 121 | 806 | | | | | | | | | | | | | | | | | |
| TP1629 | 0.8 | MGT1B | | MG Netherfield Tip 2 | <1.5 | <2.0 | <1.0 | <2.0 | 24 | 76 | 794 | | | | | | | | | | | | | | | | | |
| TP1038 | 0.3 | MGT1B | | MG Vegetation tip. Road | <1.5 | <2.0 | <1.0 | <2.0 | 140 | 1550 | | | | | | | | | | | | | | | | | | |
| TP2054 | 0.5 | MGT1B | Fragments of brick / bitumen | Narrow guage | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | | | |
| TP3145 | 0.3 | MGT1B | ash | Netherfield | <1.5 | <2.0 | <1.0 | <2.0 | 44 | 144 | | | | | | | | | | | | | | | | | | |
| TP3145 | 0.3 | MGT1B | ash | Netherfield | <1.5 | <2.0 | <1.0 | <2.0 | 36 | 122 | | | | | | | | | | | | | | | | | | |
| TP2515 | 0.2 | MGT1B | ammunition packing boxes | Possible tip ammo breakdown | <3 | <4 | <2 | <4 | <20 | 22 | 263 | | | | | | | | | | | | | | | | | |
| TP1383 | 0.4 | MGT1B | Road | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 20 | 50 | | | | | | | | | | | | | | | | | |
| TP2397 | 0.4 | MGT1B | ash | Substation ROS | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 25 | 176 | | | | | | | | | | | | | | | | | |
| TP2442 | 0.5 | MGT1B | brick | Substation ROS | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 50 | | | | | | | | | | | | | | | | | |
| TP2248 | 0.3 | MGT1B | Reworked | Substation ROS | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 25 | 82 | | | | | | | | | | | | | | | | | |
| TP2405 | 0.3 | MGT1B | brick | Substation ROS | <3 | <4 | <2 | <4 | <20 | 35 | 278 | | | | | | | | | | | | | | | | | |
| HA2450 | 0.15 | MGT1B | Clay piping | Substation ROS | <3 | <4 | <2 | <4 | <20 | 72 | 1030 | | | | | | | | | | | | | | | | | |
| HA2450 | 0.55 | MGT1B | | Substation ROS | | | | | | | | <6 | <8 | <4 | <8 | <10 | 12 | 77 | | | <0.08 | <0.4 | <4 | <4 | <10 | 15 | 158 | |
| HA2463 | 0.15 | MGT1B | Wood chippings | Substation ROS | <6 | <8 | <4 | <8 | 77 | 198 | 2420 | | | | | | | | | | | | | | | | | |
| HA2074 | 0.3 | MGT1B | | Veg tip Delineation | <3 | <4 | <2 | <4 | <20 | <20 | 112 | | | | | | | | | | | | | | | | | |
| HA2070 | 0.35 | MGT1B | Clinker | Veg tip Delineation | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 36 | 178 | | | | | | | | | | | | | | | | | |
| HA2071 | 0.6 | MGT1B | Within void in old tip | Veg tip Delineation | <3 | <4 | <2 | <4 | 20 | 120 | 867 | | | | | | | | | | | | | | | | | |
| ERA B20 | 0.2 | MGT1B | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ERA B21 | 0.2 | MGT1B | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TP1148 | 1.1 | MGT1B | bitumous shiny solid porcelain | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 250 | | | | | | | | | | | | | | | | | |

**Table 4.3
ROS TPHs**

Detection limit above GSAC
Exceeds GSAC
Detected Above Reporting Limit (No GSAC)

| | | | | No. of Samples | 313 | 314 | 314 | 314 | 316 | 316 | 316 | 32 | 35 | 35 | 35 | 35 | 35 | 32 | 3 | 1 | 5 | 33 | 35 | 35 | 35 | 35 | 32 | |
|----------|-------|---------------|--|----------------------------|----------|-----------|------------|-------------|-------------|-------------|-------------|-----------------|------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|--------------------------|---------------------------|--------------------|---------------------|---------------------|---------------------|---------------------|--|
| | | | | Min | <1.5 | <2 | <1 | <2 | <20 | <20 | <20 | <1.5 | <1 | <1 | <2 | <10 | <10 | <20 | 44 | <1 | <0.02 | <0.1 | <1 | <1 | <10 | <10 | <20 | |
| | | | | Mean | 1.9 | 2.6 | 2.4 | 8.1 | 57.1 | 196.3 | 612.9 | 1.9 | 2.6 | 5.7 | 28.9 | 89.0 | 131.4 | 103.5 | 50.7 | - | 0.0 | 0.2 | 1.7 | 7.3 | 27.3 | 62.2 | 109.0 | |
| | | | | Max | 18 | 24 | 208 | 1010 | 4750 | 11700 | 22200 | 6 | 8 | 46.4 | 226 | 1230 | 2660 | 902 | 63 | <1 | 0.09 | 1 | 5.2 | 78.6 | 288 | 660 | 1680 | |
| | | | | No. detected | 11 | 11 | 38 | 33 | 113 | 185 | 289 | 1 | 0 | 9 | 10 | 14 | 19 | 21 | 3 | 0 | 4 | 1 | 5 | 11 | 9 | 16 | 15 | |
| | | | | Assess Criteria | 55 | 42000 | 7100 | 7500 | 7600 | 5800 | 5800 | 260000 | 290000 | 17000 | 18000 | 19000 | 380000 | 380000 | 380000 | 55 | 55 | 42000 | 7100 | 7500 | 7600 | 5800 | 5800 | |
| | | | | No. Exceeding | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Exp. Pt. | Depth | Material Type | Comments | Rationale | C5 to C6 | >C6 to C8 | >C8 to C10 | >C10 to C12 | >C12 to C16 | >C16 to C21 | >C21 to C40 | C5-C6 Aliphatic | >C6-C8 Aliphatic | >C8-C10 Aliphatic | >C10-C12 Aliphatic | >C12-C16 Aliphatic | >C16-C21 Aliphatic | >C21-C35 Aliphatic | >C35-C40 Aliphatic | >C40 to C7 Aromatic | C6-C7 Aromatic (Benzene) | >C7-C8 Aromatic (Toluene) | >EC8-EC10 Aromatic | >EC10-EC12 Aromatic | >EC12-EC16 Aromatic | >EC16-EC21 Aromatic | >EC21-EC35 Aromatic | |
| TP1338 | 0.5 | MGT2A | purple staining brk blaes tile glass charc | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 73 | | | | | | | | | | | | | | | | | |
| TP1367 | 0.4 | MGT2A | clinker | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | | | | | | | | | | | | | | | | | | |
| TP1368 | 0.35 | MGT2A | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 27 | | | | | | | | | | | | | | | | | |
| TP1382 | 0.1 | MGT2A | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 203 | | | | | | | | | | | | | | | | | |
| TP1380 | 0.1 | MGT2A | clinker | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 25 | | | | | | | | | | | | | | | | | |
| TP1041 | 0.5 | MGT2A | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | | | |
| TP1146 | 0.25 | MGT2A | charcoal | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 88 | | | | | | | | | | | | | | | | | |
| TP1269 | 0.5 | MGT2A | type 1 ash concrete blaes | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 25 | | | | | | | | | | | | | | | | | |
| TP2554 | 0.5 | MGT2A | Clinker | Ash | <1.5 | <2.0 | <1.0 | <2.0 | 42 | 85 | 484 | | | | | | | | | | | | | | | | | |
| TP3202 | 0.6 | MGT2A | pockets of PFA | Ash | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | | | |
| TP3202 | 0.6 | MGT2A | pockets of PFA | Ash | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | | | |
| TP1354 | 0.5 | MGT2A | brick metal concrete | Ash | <1.5 | <2.0 | <1.0 | <2.0 | 89 | 184 | 1580 | | | | | | | | | | | | | | | | | |
| TP1439 | 0.5 | MGT2A | | Ash | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | | | |
| TP1437 | 1 | MGT2A | | Ash | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | | | |
| TP2382 | 0.3 | MGT2A | ash | AST Acetone | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 24 | 548 | | | | | | | | | | | | | | | | | |
| TP2425 | 1 | MGT2A | blaes | AST acid | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 192 | | | | | | | | | | | | | | | | | |
| TP2425 | 1 | MGT2A | blaes | AST acid | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 154 | | | | | | | | | | | | | | | | | |
| HA3171 | 0.15 | MGT2A | Rare Ash | AST Acid | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 65 | | | | | | | | | | | | | | | | | |
| HA3171 | 0.45 | MGT2A | Rare clinker/ash | AST Acid | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | <20 | | | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | <20 | |
| HA2424 | 0.15 | MGT2A | Ash and brick | AST acid | <1.5 | <2.0 | 1.1 | <2.0 | 35 | 213 | 968 | | | | | | | | | | | | | | | | | |
| TP2075 | 0.3 | MGT2A | ash | Boghall Delineation | <1.5 | <2.0 | <1.0 | <2.0 | 26 | 187 | 774 | | | | | | | | | | | | | | | | | |
| TP1404 | 0.1 | MGT2A | | Burning ground | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 67 | | | | | | | | | | | | | | | | | |
| TP1406 | 0.5 | MGT2A | clinker | Burning ground | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 27 | | | | | | | | | | | | | | | | | |
| TP1410 | 0.1 | MGT2A | | Burning ground | <1.5 | <2.0 | <1.0 | <2.0 | 156 | 66 | 197 | | | | | | | | | | | | | | | | | |
| TP1411 | 0.1 | MGT2A | clinker | Burning ground | <1.5 | <2.0 | <1.0 | <2.0 | 42 | 343 | 1460 | | | | | | | | | | | | | | | | | |
| TP1415 | 0.2 | MGT2A | clinker | Burning ground | <1.5 | <2.0 | <1.0 | <2.0 | 22 | 58 | 268 | | | | | | | | | | | | | | | | | |
| TP1418 | 1 | MGT2A | clinker | Burning ground | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 44 | 385 | | | | | | | | | | | | | | | | | |
| TP1147 | 0.3 | MGT2A | clinker | Burning ground | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 112 | | | | | | | | | | | | | | | | | |
| TP1153 | 0.1 | MGT2A | asb. | Burning ground | <1.5 | <2.0 | 1.7 | 10.3 | 90 | 149 | 386 | | | | | | | | | | | | | | | | | |
| TP2567 | 0.3 | MGT2A | clinker | Burning Ground delineation | <1.5 | <2.0 | <1.0 | 5.5 | 49 | 122 | 1320 | | | | | | | | | | | | | | | | | |
| TP2567 | 1.2 | MGT2A | oily water into trial pit from land drain | Burning Ground delineation | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 31 | | | | | | | | | | | | | | | | | |
| TP2562 | 0.1 | MGT2A | Scrap metal | Burning Ground delineation | <1.5 | <2.0 | <1.0 | 2.2 | 22 | 49 | 275 | | | | | | | | | | | | | | | | | |
| TP2090 | 0.3 | MGT2A | ash | Burning Ground delineation | <3 | <4 | <2 | <4 | 61 | 80 | 928 | | | | | | | | | | | | | | | | | |
| TP2257 | 0.8 | MGT2A | | Burning Ground delineation | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 47 | | | | | | | | | | | | | | | | | |
| BH2537 | 0.3 | MGT2A | ash | Deep GW | <3 | <4 | <2 | <4 | 21 | 52 | 269 | | | | | | | | | | | | | | | | | |
| TP2543 | 0.3 | MGT2A | appears reworked | Disturbed ground | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 40 | | | | | | | | | | | | | | | | | |
| TP3123 | 0.5 | MGT2A | ash | Disturbed ground | <1.5 | <2.0 | <1.0 | <2.0 | 35 | 75 | 324 | | | | | | | | | | | | | | | | | |
| TP3123 | 0.5 | MGT2A | ash | Disturbed ground | <1.5 | <2.0 | <1.0 | <2.0 | 26 | 49 | 243 | | | | | | | | | | | | | | | | | |
| TP2400 | 0.1 | MGT2A | Poss. Cordite | Drum store | <3 | <2 | <2 | <4 | 25 | 327 | 2700 | | | | | | | | | | | | | | | | | |
| TP2547 | 0.1 | MGT2A | Ashy | Drum store | <1.5 | <2.0 | 3.4 | 5.5 | 113 | 172 | 457 | | | | | | | | | | | | | | | | | |
| BH2670 | 0.5 | MGT2A | ash | ETF shallow compliance | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 49 | | | | | | | | | | | | | | | | | |
| TP1506 | 0.3 | MGT2A | | Fuel AST | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 35 | | | | | | | | | | | | | | | | | |

Table 4.3
ROS TPHs

Detection limit above GSAC
Exceeds GSAC
Detected Above Reporting Limit (No GSAC)

| Exp. Pt. | Depth | Material Type | Comments | Rationale | No. of Samples | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|-------|---------------|-------------------------------------|--------------------------|-----------------|----------|-----------|------------|------------|------------|------------|-----------------|-----------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------------|--------------------------|-------------------|--------------------|--------------------|--------------------|--------------------|-------|-----|
| | | | | | 313 | 314 | 314 | 314 | 316 | 316 | 316 | 316 | 32 | 35 | 35 | 35 | 35 | 35 | 32 | 3 | 1 | 5 | 33 | 35 | 35 | 35 | 35 | 32 | |
| | | | | | Min | <1.5 | <2 | <1 | <2 | <20 | <20 | <20 | <20 | <1.5 | <1 | <1 | <2 | <10 | <10 | <20 | 44 | <1 | <0.02 | <0.1 | <1 | <1 | <10 | <10 | <20 |
| | | | | | Mean | 1.9 | 2.6 | 2.4 | 8.1 | 57.1 | 196.3 | 612.9 | 1.9 | 2.6 | 5.7 | 28.9 | 89.0 | 131.4 | 103.5 | 50.7 | - | 0.0 | 0.2 | 1.7 | 7.3 | 27.3 | 62.2 | 109.0 | |
| | | | | | Max | 18 | 24 | 208 | 1010 | 4750 | 11700 | 22200 | 6 | 8 | 46.4 | 226 | 1230 | 2660 | 902 | 63 | <1 | 0.09 | 1 | 5.2 | 78.6 | 288 | 660 | 1680 | |
| | | | | | No. detected | 11 | 11 | 38 | 33 | 113 | 185 | 289 | 1 | 0 | 9 | 10 | 14 | 19 | 21 | 3 | 0 | 4 | 1 | 5 | 11 | 9 | 16 | 15 | |
| | | | | | Assess Criteria | 55 | 42000 | 7100 | 7500 | 7600 | 5800 | 5800 | 260000 | 290000 | 17000 | 18000 | 19000 | 380000 | 380000 | 380000 | 55 | 55 | 42000 | 7100 | 7500 | 7600 | 5800 | 5800 | |
| | | | | | No. Exceeding | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | C5 to C6 | C6 to C8 | C8 to C10 | C10 to C12 | C12 to C16 | C16 to C21 | C21 to C40 | C5-C6 Aliphatic | C6-C8 Aliphatic | C8-C10 Aliphatic | C10-C12 Aliphatic | C12-C16 Aliphatic | C16-C21 Aliphatic | C21-C35 Aliphatic | C35-C40 Aliphatic | C5 to C7 Aromatic | C6-C7 Aromatic (Benzene) | C7-C8 Aromatic (Toluene) | EC8-EC10 Aromatic | EC10-EC12 Aromatic | EC12-EC16 Aromatic | EC16-EC21 Aromatic | EC21-EC35 Aromatic | | |
| | | | | | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | |
| TP2475 | 0.5 | MGT2A | clinker | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | 33 | | | <0.02 | <0.1 | <1.0 | <1.0 | <10 | 12 | 45 | | | |
| TP2474 | 0.1 | MGT2A | coal | HC contamination | 1.6 | 7.2 | 6.2 | 4.1 | 309 | 485 | 1390 | | | | | | | | | | | | | | | | | | |
| TP2474 | 0.5 | MGT2A | brick | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | <20 | | | | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | <20 | | |
| TP2524 | 0.3 | MGT2A | ash | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 25 | 123 | | | | | | | | | | | | | | | | | | |
| TP2526 | 0.2 | MGT2A | ash | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | <20 | | | <1.5 | <2.0 | <1.0 | <2.0 | 16 | 96 | 327 | | | <0.02 | <0.1 | <1.0 | <1.0 | 35 | 514 | 1680 | | |
| TP2578 | 0.1 | MGT2A | Brick | HC contamination | <1.5 | <2.0 | 1.3 | 2.1 | 95 | 297 | 2690 | | | | | | | | | | | | | | | | | | |
| TP2520 | 0.6 | MGT2A | Black stained clay | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | 47 | 6520 | 2560 | | | | | | | | | | | | | | | | | | |
| TP2520 | 1.2 | MGT2A | conc frags | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | 76 | 10200 | 3700 | | | | | | | | | | | | | | | | | | |
| TP2521 | 0.2 | MGT2A | brick frags | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 27 | 97 | | | | | | | | | | | | | | | | | | |
| TP2579 | 0.1 | MGT2A | Brick | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | 25 | 117 | 493 | | | | | | | | | | | | | | | | | | |
| TP2579 | 0.5 | MGT2A | Brick | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 91 | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | <20 | | | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | <20 | | |
| TP2374 | 0.1 | MGT2A | | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 91 | | | | | | | | | | | | | | | | | | |
| BH2225 | 0.1 | MGT2A | blaes | Intermediate hydro | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 61 | 219 | | | | | | | | | | | | | | | | | | |
| TP2401 | 0.5 | MGT2A | | Misc oil & solvent drums | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 41 | | | | | | | | | | | | | | | | | | |
| TP3176 | 0.4 | MGT2A | blaes | Mound | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 28 | 124 | | | | | | | | | | | | | | | | | | |
| TP3176 | 0.4 | MGT2A | blaes | Mound | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 23 | 136 | | | | | | | | | | | | | | | | | | |
| TP2715 | 0.1 | MGT2A | | Netherfield | <1.5 | <2.0 | 1 | <2.0 | <20 | 23 | 117 | | | | | | | | | | | | | | | | | | |
| TP2716 | 0.1 | MGT2A | ash | Netherfield | <3 | <4 | <2 | <4 | <20 | 48 | 217 | | | | | | | | | | | | | | | | | | |
| TP1026 | 0.3 | MGT2A | brick | NG pond | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 117 | | | | | | | | | | | | | | | | | | |
| TP1301 | 0.1 | MGT2A | brick blaes tile ash polystyrene | Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 41 | 654 | | | | | | | | | | | | | | | | | | |
| TP1301 | 0.5 | MGT2A | blaes concrete frags | Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 54 | 854 | | | | | | | | | | | | | | | | | | |
| TP1286 | 0.7 | MGT2A | | Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 66 | 214 | | | | | | | | | | | | | | | | | | |
| TP1400 | 0.3 | MGT2A | | Rail | <1.5 | <2.0 | <1.0 | <2.0 | 42 | 101 | 560 | | | | | | | | | | | | | | | | | | |
| TP1267 | 0.25 | MGT2A | ash | Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 47 | 229 | | | | | | | | | | | | | | | | | | |
| TP1279 | 0.1 | MGT2A | | Rail | <1.5 | <2.0 | <1.0 | <2.0 | 23 | 70 | 612 | | | | | | | | | | | | | | | | | | |
| BH2349 | 0.5 | MGT2A | blaes | ROS GW | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 61 | | | | | | | | | | | | | | | | | | |
| BH2221 | 0.45 | MGT2A | blaes | ROS GW | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 95 | | | | | | | | | | | | | | | | | | |
| TP2447 | 2 | MGT2A | pocket of ash | Substation CDA | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 95 | <3 | <4 | <2 | <4 | <10 | <10 | 21 | | | <0.04 | <0.2 | <2 | <2 | <10 | <10 | <20 | | |
| TP2454 | 0.5 | MGT2A | oily sheen on water from drain | Substation ROS | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 167 | 509 | | | | | | | | | | | | | | | | | | |
| TP2451 | 0.5 | MGT2A | clinker | Substation ROS | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 30 | 165 | | | | | | | | | | | | | | | | | | |
| TP2453 | 0.5 | MGT2A | tarmac | Substation ROS | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 55 | 692 | | | | | | | | | | | | | | | | | | |
| TP2371 | 0.5 | MGT2A | Brick | Substation ROS | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 134 | | | | | | | | | | | | | | | | | | |
| HA2237 | 0.15 | MGT2A | Brick | Substation ROS | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 35 | 202 | | | | | | | | | | | | | | | | | | |
| HA2464 | 0.15 | MGT2A | Brick | Substation ROS | <3 | <4 | <2 | <4 | 45 | 188 | 1040 | | | | | | | | | | | | | | | | | | |
| HA2464 | 0.55 | MGT2A | Brick | Substation ROS | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 95 | <3 | <4 | <2 | <4 | <10 | 30 | 150 | | | <0.04 | <0.2 | <2 | <2 | <10 | 74 | 285 | | |
| TP2080 | 0.1 | MGT2A | ash | Uncontrolled Waste Tips | <1.5 | <2.0 | <1.0 | <2.0 | 24 | 43 | 1530 | | | | | | | | | | | | | | | | | | |
| TP2079 | 0.1 | MGT2A | ash | Uncontrolled Waste Tips | <1.5 | <2.0 | 2.9 | 2.3 | 49 | 85 | 301 | | | | | | | | | | | | | | | | | | |
| TP2718 | 0.5 | MGT2A | ash/clinker | Uncontrolled Waste Tips | <3 | <4 | <2 | <4 | <20 | 34 | 115 | | | | | | | | | | | | | | | | | | |
| TP2721 | 0.3 | MGT2A | Ash | Uncontrolled Waste Tips | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 60 | 204 | | | | | | | | | | | | | | | | | | |
| TP2723 | 0.1 | MGT2A | Ash | Uncontrolled Waste Tips | <1.5 | <2.0 | 1.4 | <2.0 | <20 | 52 | 247 | | | | | | | | | | | | | | | | | | |
| TP3110 | 0.3 | MGT2A | | Uncontrolled Waste Tips | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 29 | 54 | | | | | | | | | | | | | | | | | | |
| TP3112 | 0.1 | MGT2A | Pockets of black ashy sand & gravel | Uncontrolled Waste Tips | <1.5 | <2.0 | <1.0 | <2.0 | 52 | 200 | 988 | | | | | | | | | | | | | | | | | | |

**Table 4.3
ROS TPHs**

Detection limit above GSAC
Exceeds GSAC
Detected Above Reporting Limit (No GSAC)

| | | | | No. of Samples | 313 | 314 | 314 | 314 | 316 | 316 | 316 | 32 | 35 | 35 | 35 | 35 | 35 | 32 | 3 | 1 | 5 | 33 | 35 | 35 | 35 | 35 | 32 |
|----------|-------|---------------|----------------------------------|----------------------------|----------|-----------|------------|-------------|-------------|-------------|-------------|-----------------|------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------------|---------------------------|--------------------|---------------------|---------------------|---------------------|---------------------|
| | | | | Min | <1.5 | <2 | <1 | <2 | <20 | <20 | <20 | <1.5 | <1 | <1 | <2 | <10 | <10 | <20 | 44 | <1 | <0.02 | <0.1 | <1 | <1 | <10 | <10 | <20 |
| | | | | Mean | 1.9 | 2.6 | 2.4 | 8.1 | 57.1 | 196.3 | 612.9 | 1.9 | 2.6 | 5.7 | 28.9 | 89.0 | 131.4 | 103.5 | 50.7 | - | 0.0 | 0.2 | 1.7 | 7.3 | 27.3 | 62.2 | 109.0 |
| | | | | Max | 18 | 24 | 208 | 1010 | 4750 | 11700 | 22200 | 6 | 8 | 46.4 | 226 | 1230 | 2660 | 902 | 63 | <1 | 0.09 | 1 | 5.2 | 78.6 | 288 | 660 | 1680 |
| | | | | No. detected | 11 | 11 | 38 | 33 | 113 | 185 | 289 | 1 | 0 | 9 | 10 | 14 | 19 | 21 | 3 | 0 | 4 | 1 | 5 | 11 | 9 | 16 | 15 |
| | | | | Assess Criteria | 55 | 42000 | 7100 | 7500 | 7600 | 5800 | 5800 | 260000 | 290000 | 17000 | 18000 | 19000 | 380000 | 380000 | 380000 | 55 | 55 | 42000 | 7100 | 7500 | 7600 | 5800 | 5800 |
| | | | | No. Exceeding | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Exp. Pt. | Depth | Material Type | Comments | Rationale | C5 to C6 | >C6 to C8 | >C8 to C10 | >C10 to C12 | >C12 to C16 | >C16 to C21 | >C21 to C40 | C5-C6 Aliphatic | >C6-C8 Aliphatic | >C8-C10 Aliphatic | >C10-C12 Aliphatic | >C12-C16 Aliphatic | >C16-C21 Aliphatic | >C21-C35 Aliphatic | >C21-C40 Aliphatic | >C5 to C7 Aromatic | C6-C7 Aromatic (Benzene) | >C7-C8 Aromatic (Toluene) | >EC8-EC10 Aromatic | >EC10-EC12 Aromatic | >EC12-EC16 Aromatic | >EC16-EC21 Aromatic | >EC21-EC35 Aromatic |
| HA2069 | 0.4 | MGT2A | Clinker | Veg tip Delineation | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 44 | | | | | | | | | | | | | | | | |
| HA2072 | 0.35 | MGT2A | Reworked with brick and concrete | Veg tip Delineation | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 107 | | | | | | | | | | | | | | | | |
| HA2073 | 0.1 | MGT2A | Reworked with brick and clinker | Veg tip Delineation | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 120 | | | | | | | | | | | | | | | | |
| HS1554 | 0.1 | MGT2A | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 704 | | | | | | | | | | | | | | | | |
| HS1627 | 0 | MGT2A | | | <1.5 | <2.0 | <1.0 | <2.0 | 77 | 127 | 458 | | | | | | | | | | | | | | | | |
| TP1376 | 0.1 | MGT2B | | | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 163 | | | | | | | | | | | | | | | | |
| TP1033 | 0.3 | MGT2B | clinker | | <1.5 | <2.0 | <1.0 | <2.0 | 38 | 56 | 172 | | | | | | | | | | | | | | | | |
| TP1435 | 0.2 | MGT2B | ash | | <1.5 | <2.0 | <1.0 | <2.0 | 53 | 98 | 382 | | | | | | | | | | | | | | | | |
| TP3199 | 0.1 | MGT2B | ash | Ash | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | 11 | 22 | | | 0.04 | 0.1 | <1.0 | <1.0 | <10 | <10 | <20 |
| TP3200 | 0.3 | MGT2B | ash | Ash | <3 | <4 | 3.1 | 5.8 | 29 | 33 | 339 | | | | | | | | | | | | | | | | |
| TP3200 | 0.3 | MGT2B | ash | Ash | <3 | <4 | 2.8 | 6 | 54 | 35 | 449 | | | | | | | | | | | | | | | | |
| TP1426 | 0.3 | MGT2B | ash | Ash | <1.5 | <2.0 | <1.0 | <2.0 | 40 | 57 | 139 | | | | | | | | | | | | | | | | |
| TP2654 | 0.1 | MGT2B | clinker | AST acid | <1.5 | <2.0 | <1.0 | <2.0 | 22 | 69 | 399 | | | | | | | | | | | | | | | | |
| BGAWS01 | 0.1 | MGT2B | | Burning ground | <1.5 | <2.0 | <1.0 | <2.0 | 84 | 129 | | <1.5 | <2.0 | <1.0 | <2.0 | 50 | <10 | 34 | | | <0.02 | <0.1 | <1.0 | <1.0 | <10 | <10 | <20 |
| BGAWS01 | 0.5 | MGT2B | | Burning ground | | | | | | | | <1.5 | <2.0 | 4.3 | 4.2 | 155 | 13 | 110 | | | 0.04 | <0.1 | <1.0 | 1.4 | <10 | <10 | <20 |
| BGAWS02 | 0.3 | MGT2B | | Burning ground | | | | | | | | <3 | <4 | <2 | <4 | 74 | <10 | 87 | | | <0.04 | <0.2 | <2 | <2 | <10 | <10 | <20 |
| TP1405 | 0.1 | MGT2B | | Burning ground | <1.5 | <2.0 | <1.0 | <2.0 | 84 | 129 | | | | | | | | | | | | | | | | | |
| TP1416 | 0.05 | MGT2B | | Burning ground | <1.5 | <2.0 | 2.8 | 5.9 | <20 | 43 | 128 | | | | | | | | | | | | | | | | |
| TP1419 | 0.3 | MGT2B | | Burning ground | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 35 | 337 | | | | | | | | | | | | | | | | |
| TP1420 | 0.3 | MGT2B | | Burning ground | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 60 | | | | | | | | | | | | | | | | |
| TP1151 | 0.1 | MGT2B | | Burning ground | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 27 | 100 | | | | | | | | | | | | | | | | |
| TP2566 | 0.2 | MGT2B | ash | Burning Ground delineation | <1.5 | <2.0 | 1.4 | <2.0 | 38 | 59 | 307 | | | | | | | | | | | | | | | | |
| TP2575 | 0.2 | MGT2B | ash | Burning Ground delineation | <1.5 | <2.0 | <1.0 | <2.0 | 26 | 32 | 118 | | | | | | | | | | | | | | | | |
| TP2560 | 0.3 | MGT2B | ash | Burning Ground delineation | <1.5 | <2.0 | <1.0 | <2.0 | 661 | 5090 | 22200 | | | | | | | | | | | | | | | | |
| HS3142 | 0.2 | MGT2B | | Coal Storage | <1.5 | 2.4 | 1.5 | <2.0 | 118 | 184 | 602 | | | | | | | | | | | | | | | | |
| TP2699 | 0.1 | MGT2B | ash | Devices Georgetown | <3 | <4 | <2 | <4 | <20 | 44 | 204 | | | | | | | | | | | | | | | | |
| TP2699 | 0.1 | MGT2B | ash | Devices Georgetown | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 33 | 151 | | | | | | | | | | | | | | | | |
| TP2480 | 0.2 | MGT2B | ash / asbestos | Disturbed ground | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 20 | 60 | | | | | | | | | | | | | | | | |
| HS3179 | 0.1 | MGT2B | | Gaps | <3 | <4 | <2 | <4 | <20 | 23 | 247 | | | | | | | | | | | | | | | | |
| HS3179 | 0.1 | MGT2B | | Gaps | <3 | <4 | <2 | <4 | <20 | <20 | 252 | | | | | | | | | | | | | | | | |
| HS3180 | 0.2 | MGT2B | | Gaps | <3 | <4 | <2 | <4 | 21 | 57 | 408 | | | | | | | | | | | | | | | | |
| HS3180 | 0.2 | MGT2B | | Gaps | <3 | <4 | <2 | <4 | 51 | 90 | 529 | | | | | | | | | | | | | | | | |
| HA2553 | 0.4 | MGT2B | ash | General waste | 1.6 | <2.0 | 1.5 | <2.0 | 22 | 44 | 140 | | | | | | | | | | | | | | | | |
| HA2553 | 0.4 | MGT2B | ash | General waste | <1.5 | <2.0 | 2.3 | 3.3 | 75 | 148 | 510 | | | | | | | | | | | | | | | | |
| TP2523 | 0.2 | MGT2B | ash | HC contamination | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | 24 | 251 | | | <0.02 | <0.1 | <1.0 | 1 | <10 | <10 | 99 |
| TP2522 | 0.4 | MGT2B | ash | HC contamination | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | 11 | <10 | <20 | | | <0.02 | <0.1 | <1.0 | 1.1 | <10 | <10 | <20 |
| TP2373 | 0.3 | MGT2B | | HC contamination | <1.5 | <2.0 | 1.2 | <2.0 | <20 | <20 | 34 | | | | | | | | | | | | | | | | |
| TP2376 | 0.3 | MGT2B | | HC contamination | <3 | <4 | 2.1 | <4 | <20 | 41 | 160 | | | | | | | | | | | | | | | | |
| TP3164 | 0.3 | MGT2B | slight HC odour | HC Contamination | | | | | | | | <1.5 | <2.0 | <1.0 | <2.0 | <10 | <10 | 39 | | | <0.02 | <0.1 | <1.0 | <1.0 | <10 | 11 | 39 |
| TP3165 | 0.1 | MGT2B | ash | HC Contamination | <1.5 | <2.0 | <1.0 | 2.1 | 33 | 52 | 116 | | | | | | | | | | | | | | | | |
| TP1365 | 0.5 | MGT2B | | Kerosene AST | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 23 | | | | | | | | | | | | | | | | |
| TP1358 | 0.3 | MGT2B | ash and coal | MG Coal | 4 | 7.2 | 4.9 | 4.3 | 259 | 391 | 975 | | | | | | | | | | | | | | | | |

**Table 4.3
ROS TPHs**

Detection limit above GSAC
Exceeds GSAC
Detected Above Reporting Limit (No GSAC)

| | | | | No. of Samples | 313 | 314 | 314 | 314 | 316 | 316 | 316 | 32 | 35 | 35 | 35 | 35 | 35 | 32 | 3 | 1 | 5 | 33 | 35 | 35 | 35 | 35 | 32 | |
|----------|-------|---------------|----------------------|---|----------|-----------|------------|-------------|-------------|-------------|-------------|-----------------|------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|--------------------------|---------------------------|--------------------|---------------------|---------------------|---------------------|---------------------|--|
| | | | | Min | <1.5 | <2 | <1 | <2 | <20 | <20 | <20 | <1.5 | <1 | <1 | <2 | <10 | <10 | <20 | 44 | <1 | <0.02 | <0.1 | <1 | <1 | <10 | <10 | <20 | |
| | | | | Mean | 1.9 | 2.6 | 2.4 | 8.1 | 57.1 | 196.3 | 612.9 | 1.9 | 2.6 | 5.7 | 28.9 | 89.0 | 131.4 | 103.5 | 50.7 | - | 0.0 | 0.2 | 1.7 | 7.3 | 27.3 | 62.2 | 109.0 | |
| | | | | Max | 18 | 24 | 208 | 1010 | 4750 | 11700 | 22200 | 6 | 8 | 46.4 | 226 | 1230 | 2660 | 902 | 63 | <1 | 0.09 | 1 | 5.2 | 78.6 | 288 | 660 | 1680 | |
| | | | | No. detected | 11 | 11 | 38 | 33 | 113 | 185 | 289 | 1 | 0 | 9 | 10 | 14 | 19 | 21 | 3 | 0 | 4 | 1 | 5 | 11 | 9 | 16 | 15 | |
| | | | | Assess Criteria | 55 | 42000 | 7100 | 7500 | 7600 | 5800 | 5800 | 260000 | 290000 | 17000 | 18000 | 19000 | 380000 | 380000 | 380000 | 55 | 55 | 42000 | 7100 | 7500 | 7600 | 5800 | 5800 | |
| | | | | No. Exceeding | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Exp. Pt. | Depth | Material Type | Comments | Rationale | C5 to C6 | >C6 to C8 | >C8 to C10 | >C10 to C12 | >C12 to C16 | >C16 to C21 | >C21 to C40 | C5-C6 Aliphatic | >C6-C8 Aliphatic | >C8-C10 Aliphatic | >C10-C12 Aliphatic | >C12-C16 Aliphatic | >C16-C21 Aliphatic | >C21-C35 Aliphatic | >C35-C40 Aliphatic | >C40 to C7 Aromatic | C6-C7 Aromatic (Benzene) | >C7-C8 Aromatic (Toluene) | >EC8-EC10 Aromatic | >EC10-EC12 Aromatic | >EC12-EC16 Aromatic | >EC16-EC21 Aromatic | >EC21-EC35 Aromatic | |
| BH1429 | 0.3 | MGT2B | | MG Coal. Near storage areas and scrap compounds | 1.6 | 2.5 | 3.7 | 3.4 | 131 | 178 | 636 | | | | | | | | | | | | | | | | | |
| TP3146 | 0.6 | MGT2B | ash | Netherfield | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 32 | 294 | | | | | | | | | | | | | | | | | |
| TP3146 | 0.6 | MGT2B | ash | Netherfield | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 34 | 221 | | | | | | | | | | | | | | | | | |
| TP3172 | 0.3 | MGT2B | ash | Netherfield | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 35 | 227 | | | | | | | | | | | | | | | | | |
| TP3172 | 0.3 | MGT2B | ash | Netherfield | <3 | <4 | <2 | <4 | <20 | 40 | 273 | | | | | | | | | | | | | | | | | |
| BH2653 | 1 | MGT2B | ash | Picrite Deep GW | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 42 | | | | | | | | | | | | | | | | | |
| TP1394 | 0.1 | MGT2B | | Rail | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 84 | | | | | | | | | | | | | | | | | |
| TP1270 | 0.1 | MGT2B | ash | Rail | <1.5 | <2.0 | 2.5 | 2.7 | 28 | 53 | 214 | | | | | | | | | | | | | | | | | |
| TP1423 | 0.1 | MGT2B | ash | Road | <1.5 | <2.0 | <1.0 | <2.0 | 39 | 91 | 664 | | | | | | | | | | | | | | | | | |
| TP1157 | 0.2 | MGT2B | | Road | <1.5 | <2.0 | <1.0 | <2.0 | 36 | 61 | 278 | | | | | | | | | | | | | | | | | |
| BH2534 | 0.5 | MGT2B | ash | ROS GW | <3 | <4 | <2 | <4 | 27 | 45 | 108 | | | | | | | | | | | | | | | | | |
| TP1351 | 0.5 | MGT2B | type 1 brk and blaes | Spent acid lagoon | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 208 | 858 | | | | | | | | | | | | | | | | | |
| TP2445 | 0.5 | MGT2B | half bricks | Substation CDA | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 47 | | | | | | | | | | | | | | | | | |
| TP2447 | 0.5 | MGT2B | ash | Substation CDA | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 96 | | | | | | | | | | | | | | | | | |
| TP2369 | 0.5 | MGT2B | ash | Substation ROS | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 24 | 102 | | | | | | | | | | | | | | | | | |
| BH2668 | 0.3 | MGT2B | ash | Sulphur Dump | <3 | <4 | <2 | <4 | 43 | 146 | 408 | | | | | | | | | | | | | | | | | |
| TP2076 | 0.1 | MGT2B | ash | Uncontrolled Waste Tips | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 22 | 109 | | | | | | | | | | | | | | | | | |
| TP2718 | 1.8 | MGT2B | ash/clinker | Uncontrolled Waste Tips | <1.5 | <2.0 | <1.0 | <2.0 | 21 | 86 | 355 | | | | | | | | | | | | | | | | | |
| TP2719 | 0.3 | MGT2B | ash | Uncontrolled Waste Tips | <1.5 | <2.0 | 1.3 | <2.0 | <20 | 37 | 160 | | | | | | | | | | | | | | | | | |
| TP2720 | 0.1 | MGT2B | ash/clinker | Uncontrolled Waste Tips | <1.5 | <2.0 | <1.0 | <2.0 | 65 | 460 | 5770 | | | | | | | | | | | | | | | | | |
| TP1254 | 0.3 | MGT2B | blaes | Uncontrolled Waste Tips | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 31 | | | | | | | | | | | | | | | | | |
| HS3206 | 0 | MGT2C | grey sand/PFA ash | Ash PFA | <3 | <4 | <2 | <4 | <20 | <20 | <20 | | | | | | | | | | | | | | | | | |
| HS3207 | 0 | MGT2C | grey sand/PFA ash | Ash PFA | <3 | <4 | <2 | <4 | <20 | <20 | <20 | | | | | | | | | | | | | | | | | |
| BH2683 | 1 | MGT2C | PFA | Deep GW | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | <20 | | | | | | | | | | | | | | | | | |
| TP2525 | 0.1 | MGT3 | | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 136 | | | | | | | | | | | | | | | | | |
| TP3165 | 0.6 | MGT3 | red brick | HC Contamination | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 61 | | | | | | | | | | | | | | | | | |
| TP3165 | 0.6 | MGT3 | red brick | HC Contamination | 1.6 | <2.0 | <1.0 | <2.0 | <20 | 35 | 128 | | | | | | | | | | | | | | | | | |
| TP2569 | 0.3 | MGT1A | Reworked | Burning Ground delineation | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 73 | | | | | | | | | | | | | | | | | |
| TP2564 | 0.1 | MGT1A | | Burning Ground delineation | <3 | <4 | <2 | <4 | 23 | 65 | 352 | | | | | | | | | | | | | | | | | |
| TP2580 | 0.2 | MGT1B | brick | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | <20 | 36 | 240 | | | | | | | | | | | | | | | | | |
| TP2582 | 0.1 | MGT2A | clinker | HC contamination | <1.5 | <2.0 | <1.0 | <2.0 | 81 | 319 | 7720 | | | | | | | | | | | | | | | | | |
| TP1492 | 0.1 | TPSL | | Uncontrolled Waste Tips | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 146 | | | | | | | | | | | | | | | | | |
| BH2635 | 0.3 | TPSL | | CDA shallow compliance | <3 | <4 | <2 | <4 | <20 | <20 | 102 | | | | | | | | | | | | | | | | | |
| HA2545 | 0.3 | TPSL | reworked | General waste | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 84 | | | | | | | | | | | | | | | | | |
| HA2545 | 0.3 | TPSL | reworked | General waste | <1.5 | <2.0 | <1.0 | <2.0 | <20 | <20 | 85 | | | | | | | | | | | | | | | | | |
| TP2375 | 0.1 | TPSL | | HC contamination | <3 | <4 | <2 | <4 | 21 | 65 | 270 | | | | | | | | | | | | | | | | | |
| TP2481 | 0.2 | TPSL | | Possible tip ammo breakdown | <3 | <4 | <2 | <4 | 51 | 65 | 1340 | | | | | | | | | | | | | | | | | |
| BH2530 | 0.1 | TPSL | | ROS GW | <3 | <4 | <2 | <4 | 20 | 48 | 376 | | | | | | | | | | | | | | | | | |
| TP2079A | 0.1 | TPSL | | Uncontrolled Waste Tips | <3 | <4 | <2 | <4 | 33 | 193 | 1070 | | | | | | | | | | | | | | | | | |
| ERA B22 | 0.2 | TPSL | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ERA B23 | 0.2 | TPSL | | | | | | | | | | | | | | | | | | | | | | | | | | |

