# Gegenüberstellung Schadstoffgehalte Bodenart Ton

## - Zuordnungswerte Z 0 bis Z 2 nach LAGA-Boden 2004 -

| Feststoff | | MP Q8 | MP Q12 | | | Z 0 | Z 1 | Z 2 |
|---|---|---|---|---|---|---|---|---|
| TOC | [M.-%] | 1,10 | 0,60 | | | ≤ 0,5 (1,0) | ≤ 1,5 | ≤ 5 |
| EOX | [mg/kg TS] | n.n. | n.n. | | | ≤ 1 | ≤ 3 | ≤ 10 |
| KW (C10-C22) | [mg/kg TS] | n.n. | n.n. | | | ≤ 100 | ≤ 300 | ≤ 1000 |
| ∑ BTEX | [mg/kg TS] | n.n. | n.n. | | | ≤ 1 | ≤ 1 | ≤ 1 |
| ∑ LHKW | [mg/kg TS] | n.n. | n.n. | | | ≤ 1 | ≤ 1 | ≤ 1 |
| Σ $PAK_{16}$ | [mg/kg TS] | n.n. | n.n. | | | ≤ 3 | ≤ 3 | ≤ 30 |
| Benzo(a)pyren | [mg/kg TS] | n.n. | n.n. | | | ≤ 0,3 | ≤ 0,9 | ≤ 3 |
| Σ $PCB_6$ | [mg/kg TS] | n.n. | n.n. | | | ≤ 0,05 | ≤ 0,15 | ≤ 0,5 |
| Arsen | [mg/kg TS] | 11,00 | 16,00 | | | ≤ 20 | ≤ 45 | ≤ 150 |
| Blei | [mg/kg TS] | 18,00 | 15,00 | | | ≤ 100 | ≤ 210 | ≤ 700 |
| Cadmium | [mg/kg TS] | n.n. | 0,12 | | | ≤ 1,5 | ≤ 3 | ≤ 10 |
| Chrom ges. | [mg/kg TS] | 29,00 | 27,00 | | | ≤ 100 | ≤ 180 | ≤ 600 |
| Kupfer | [mg/kg TS] | 25,00 | 21,00 | | | ≤ 60 | ≤ 120 | ≤ 400 |
| Nickel | [mg/kg TS] | 41,00 | 35,00 | | | ≤ 70 | ≤ 150 | ≤ 500 |
| Quecksilber | [mg/kg TS] | n.n. | n.n. | | | ≤ 1 | ≤ 1,5 | ≤ 5 |
| Thallium | [mg/kg TS] | n.n. | n.n. | | | ≤ 1 | ≤ 2,1 | ≤ 7 |
| Zink | [mg/kg TS] | 88,00 | 68,00 | | | ≤ 200 | ≤ 450 | ≤ 1500 |
| Cyanid ges. | [mg/kg TS] | n.n. | n.n. | | | - | ≤ 3 | ≤ 10 |
| RC | [M.-%] | 0,40 | | | | - | - | - |
| C/N | [-] | | | | | (> 25) | - | - |

| Eluat | | MP Q8 | MP Q12 | | | Z 0 | Z 1.1 | Z 1.2 | Z 2 |
|---|---|---|---|---|---|---|---|---|---|
| pH-Wert | [-] | 8,30 | 8,20 | | | 6,5 - 9,5 | 6,5 - 9,5 | 6,0 - 12 | 5,5 - 12 |
| Leitfähigkeit | [µS/cm] | 287,00 | 181,00 | | | ≤ 250 | ≤ 250 | ≤ 1500 | ≤ 2000 |
| Chlorid | [mg/l] | 1,30 | 1,90 | | | ≤ 30 | ≤ 30 | ≤ 50 | ≤ 100 |
| Sulfat | [mg/l] | 62,00 | 31,00 | | | ≤ 20 | ≤ 20 | ≤ 50 | ≤ 200 |
| Cyanid ges. | [µg/l] | n.n. | n.n. | | | ≤ 5 | ≤ 5 | ≤ 10 | ≤ 20 |
| Phenolindex | [µg/l] | n.n. | n.n. | | | ≤ 20 | ≤ 20 | ≤ 40 | ≤ 100 |
| Arsen | [µg/l] | n.n. | 0,64 | | | ≤ 14 | ≤ 14 | ≤ 20 | ≤ 60 |
| Blei | [µg/l] | n.n. | n.n. | | | ≤ 40 | ≤ 40 | ≤ 80 | ≤ 200 |
| Cadmium | [µg/l] | n.n. | n.n. | | | ≤ 1,5 | ≤ 1,5 | ≤ 3 | ≤ 6 |
| Chrom ges. | [µg/l] | n.n. | 1,40 | | | ≤ 12,5 | ≤ 12,5 | ≤ 25 | ≤ 60 |
| Kupfer | [µg/l] | n.n. | n.n. | | | ≤ 20 | ≤ 20 | ≤ 60 | ≤ 100 |
| Nickel | [µg/l] | n.n. | n.n. | | | ≤ 15 | ≤ 15 | ≤ 20 | ≤ 70 |
| Quecksilber | [µg/l] | n.n. | n.n. | | | ≤ 0,5 | ≤ 0,5 | ≤ 1 | ≤ 2 |
| Zink | [µg/l] | n.n. | 16,00 | | | ≤ 150 | ≤ 150 | ≤ 200 | ≤ 600 |

| Probenbezeichung | MP Q8 | MP Q12 | | |
|---|---|---|---|---|
| Einbauklasse | Z 2 | Z 1.2 | | |


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**Projekt:**

Bestandsuntersuchung

Stadtbahn Linie 4

in Bielefeld

**Auftraggeber:**

Stadt Bielefeld

Amt für Verkehr

August-Bebel-Straße 92, 33602 Bielefeld

**Anlage :**

3.7

**Projekt-Nr.:**

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