

|  | | Výsledky analýz stanovených ukazatelů v podzemní vodě | | |
|---|----------|---|--------------|--|
| | | Zakázka: Odval dolu Šverma, posouzení IG poměrů a kontaminace | | |
| Označení vzorku | | VL-1 | VL-2 | |
| Číslo protokolu | | PR1226355001 | PR1226505001 | |
| Datum vzorkování | | 22.6.2012 | 22.6.2012 | |
| Ukazatel | Jednotky | | | |
| souhrnné parametry | | | | |
| fenoly těkající s v.p. | mg/l | 84.10 | 0.02 | |
| BTEX | | | | |
| benzen | µg/l | 40.00 | <0.20 | |
| ethylbenzen | µg/l | 1.96 | 0.44 | |
| suma BTEX | µg/l | 82.40 | 2.17 | |
| suma TEX | µg/l | 42.40 | 2.17 | |
| suma xylenů | µg/l | 15.60 | 1.73 | |
| toluen | µg/l | 24.90 | <1.00 | |
| meta- & para-xylen | µg/l | 12.10 | 1.60 | |
| ortho-xylen | µg/l | 3.48 | 0.13 | |
| rozpuštěné kovy/ hlavní kationty | | | | |
| As | mg/l | 0.0262 | <0.0050 | |
| Cd | mg/l | 0.0005 | <0.00040 | |
| Cu | mg/l | <0.0020 | <0.0020 | |
| Pb | mg/l | 0.0067 | 0.0175 | |
| Hg | µg/l | <0.010 | <0.010 | |
| Zn | mg/l | <0.0020 | 0.0077 | |
| halogenované těkavé organické sloučeniny | | | | |
| 1,1-dichlorethan | µg/l | <0.10 | <0.10 | |
| 1,1-dichlorethylen | µg/l | <0.10 | <0.10 | |
| 1,1-dichlorpropyleen | µg/l | <1.0 | <1.0 | |
| 1,1,1-trichlorethan | µg/l | <0.10 | <0.10 | |
| 1,1,1,2-tetrachlorethan | µg/l | <0.10 | <0.10 | |
| 1,1,2-trichlorethan | µg/l | <0.20 | <0.20 | |
| 1,1,2,2-tetrachlorethan | µg/l | <1.0 | <1.0 | |
| 1,2-dibrom-3-chloropropan | µg/l | <1.0 | <1.0 | |
| 1,2-dibromethan (EDB) | µg/l | <1.0 | <1.0 | |
| 1,2-dichlorbenzen | µg/l | <0.10 | <0.10 | |
| 1,2-dichlorethan | µg/l | 1.80 | <1.00 | |
| 1,2-dichlorpropan | µg/l | <1.0 | <1.0 | |
| 1,2,3-trichlorbenzen | µg/l | <0.10 | <0.10 | |
| 1,2,3-trichloropropan | µg/l | <1.0 | <1.0 | |
| 1,2,4-trichlorbenzen | µg/l | <0.10 | <0.10 | |
| 1,3-dichlorbenzen | µg/l | <0.10 | <0.10 | |
| 1,3-dichlorpropan | µg/l | <1.0 | <1.0 | |
| 1,3,5-trichlorbenzen | µg/l | <0.20 | <0.20 | |
| 1,4-dichlorbenzen | µg/l | <0.10 | <0.10 | |
| 2-chlortoluén | µg/l | <1.0 | <1.0 | |
| 2,2-dichlorpropan | µg/l | <1.0 | <1.0 | |
| 4-chlortoluén | µg/l | <1.0 | <1.0 | |
| brombenzen | µg/l | <1.0 | <1.0 | |
| bromchlormethan | µg/l | <2.0 | <2.0 | |
| bromdichlormethan | µg/l | <0.10 | <0.10 | |
| bromoform | µg/l | <0.20 | <0.20 | |
| brommethan | µg/l | <1.0 | <1.0 | |
| chlorbenzen | µg/l | <0.10 | <0.10 | |
| chlorethan | µg/l | <1.0 | <1.0 | |
| chloroform | µg/l | <0.30 | <0.30 | |
| chlormethan | µg/l | <10 | <10 | |
| dibromchlormethan | µg/l | <0.10 | <0.10 | |
| dibrommethan | µg/l | <1.0 | <1.0 | |
| dichlordifluormethan | µg/l | <1.0 | <1.0 | |
| dichlormethan | µg/l | <6.0 | <6.0 | |
| hexachlorbutadien | µg/l | <1.0 | <1.0 | |
| suma 3 dichlorbenzenů | µg/l | <0.30 | <0.30 | |
| suma 3 trichlorbenzenů | µg/l | <0.40 | <0.40 | |
| suma 4 trihalomethanů | µg/l | <0.70 | <0.70 | |
| tetrachlorethen | µg/l | <0.20 | <0.20 | |
| tetrachlormethan | µg/l | <0.10 | <0.10 | |
| trichlorethen | µg/l | <0.10 | <0.10 | |
| trichlorfluormethan | µg/l | <1.0 | <1.0 | |
| vinychlorid | µg/l | <1.00 | <1.00 | |
| cis-1,2-dichlorethen | µg/l | <0.10 | <0.10 | |
| cis-1,3-dichlorpropyleen | µg/l | <1.0 | <1.0 | |
| trans-1,2-dichlorethen | µg/l | <0.10 | <0.10 | |
| trans-1,3-dichlorpropen | µg/l | <1.0 | <1.0 | |
| nehalogenované těkavé organické sloučeniny | | | | |
| 1,2,4-trimethylbenzen | µg/l | <1.0 | <1.0 | |
| 1,3,5-trimethylbenzen | µg/l | <1.0 | <1.0 | |
| isopropylbenzen | µg/l | <1.0 | <1.0 | |
| methyl terc-butylether (MTBE) | µg/l | 1.22 | <0.20 | |
| styren | µg/l | 0.52 | <0.20 | |
| suma BTEXS | µg/l | 83.00 | 2.17 | |
| n-butylbenzen | µg/l | <1.0 | <1.0 | |
| n-propylbenzen | µg/l | <1.0 | <1.0 | |
| p-isopropyltoluen | µg/l | <1.0 | <1.0 | |
| sec-butylbenzen | µg/l | <1.0 | <1.0 | |
| terc-butylalkohol | µg/l | <5.0 | <5.0 | |
| terc-butylbenzen | µg/l | <1.0 | <1.0 | |
| ropné uhlvodíky - FTIR | | | | |
| nepolární extrahovatelné látky | mg/l | 0.253 | 0.132 | |
| polycyklické aromatické uhlvodíky (PAU) | | | | |
| acenaften | µg/l | 0.021 | 0.072 | |
| anthracen | µg/l | <0.010 | 0.015 | |
| benzo(a)anthracen | µg/l | <0.010 | <0.010 | |
| benzo(a)pyren | µg/l | <0.010 | <0.010 | |
| benzo(b)fluoranthen | µg/l | <0.010 | <0.010 | |
| benzo(k)fluoranthen | µg/l | <0.010 | <0.010 | |
| chrysén | µg/l | <0.010 | <0.010 | |
| dibenzo(a,h)anthracen | µg/l | <0.010 | <0.010 | |
| fluoranthen | µg/l | 0.015 | 0.061 | |
| fluoren | µg/l | 0.018 | 0.031 | |
| indeno(1,2,3-cd)pyren | µg/l | <0.010 | <0.010 | |
| naftalen | µg/l | 0.933 | <0.030 | |
| pyren | µg/l | <0.010 | 0.038 | |

|  | | Výsledky analýz stanovených ukazatelů ve vodném výluku | | |
|---|----------|---|---------|--------------------|
| | | Zakázka: Odval dolu Šverma, posouzení IG poměrů a kontaminace | | |
| Označení vzorku | | VL-1 (0.1 - 2.0 m) | | VL-2 (3.3 - 5.0 m) |
| Číslo protokolu | | PR1226196001 | | PR1226362001 |
| Datum vzorkování | | 21.6.2012 | | 21.6.2012 |
| Ukazatel | Jednotky | | | |
| ropné uhlovodíky - FTIR | | | | |
| nepolární extrahovatelné látky | mg/l | 0.172 <0.050 | | |
| fyzikální parametry | | | | |
| pH | - | 7.780 | | 8.010 |
| polycylické aromatické uhlovodíky (PAU) | | | | |
| acenaften | µg/l | - | - | |
| anthracen | µg/l | 0.030 | | 0.017 |
| benzo(a)anthracen | µg/l | <0.010 | 0.022 | |
| benzo(a)pyren | µg/l | <0.020 | <0.020 | |
| benzo(b)fluoranthen | µg/l | <0.010 | <0.010 | |
| benzo(g,h,i)perylen | µg/l | <0.010 | <0.010 | |
| benzo(k)fluoranthen | µg/l | <0.010 | <0.010 | |
| chrysen | µg/l | <0.010 | 0.035 | |
| fluoranthen | µg/l | 0.054 | | 0.204 |
| indeno(1,2,3-cd)pyren | µg/l | <0.010 | <0.010 | |
| naftalen | µg/l | <0.100 | <0.100 | |
| fenanthren | µg/l | 0.237 | | 0.064 |
| pyren | µg/l | <0.060 | 0.147 | |
| suma PAU | µg/l | 0.290 | | 0.470 |
| celkové kovy / hlavní kationty | | | | |
| As | mg/l | 0.0067 <0.0050 | | |
| Cd | mg/l | 0.0020 <0.00040 | | |
| Cu | mg/l | <0.0020 | <0.0020 | |
| Pb | mg/l | <0.0050 | <0.0050 | |
| Hg | µg/l | 0.060 | | 0.051 |
| Zn | mg/l | 0.063 | | 0.022 |