

Sample	Date	Location	Purpose/ Target	Analysis undertaken	Exceedances observed
		shallow aquifer	along southern boundary	BTEX, VOCs, PAHs, Phenols	
MW 04D	November 2001	Downgradient of Former Gasworks Site – deep aquifer	Contamination concentrations along southern boundary	Heavy Metals, Cyanide, TPH, BTEX, VOCs, PAHs, Phenols	Benzene, Total phenols, PAH
MW 06S	November 2001	Up gradient of the former gasometer close to the boundary of the former cleaning shed area and coal stacks – shallow aquifer	Contaminant concentrations beneath former coal stacks and Coal Road	Heavy Metals, Cyanide, TPH, BTEX, VOCs, PAHs, Phenols	
MW 06D	November 2001	Up gradient of the former gasometer close to the boundary of the former cleaning shed area and coal stacks – deep aquifer	Contaminant concentrations beneath former coal stacks and Coal Road	Heavy Metals, Cyanide, TPH, BTEX, VOCs, PAHs, Phenols	
MW 07S	November 2001	Close to the former/ present gasometer	Western extent of contamination	Heavy Metals, Cyanide, TPH, BTEX, VOCs, PAHs, Phenols	Benzene, ethyl benzene, total xylene, phenols, PAH,
MW 07D	November 2001	Close to the former/ present gasometer	Western extent of contamination	Heavy Metals, Cyanide, TPH, BTEX, VOCs, PAHs, Phenols	Benzene,
MW 08D	November 2001	Beneath former Coal Road	Contamination to the north of the residential properties	Heavy Metals, Cyanide, TPH, BTEX, VOCs, PAHs, Phenols	
MW 09S	November 2001	West of Former Gasworks boundary in residential area and close to the former gasometer	Western extent of contamination beneath residential properties	Heavy Metals, Cyanide, TPH, BTEX, VOCs, PAHs, Phenols	
MW 10S	November 2001	West of Former Gasworks boundary in residential area and close to the former gasometer	Western extent of contamination beneath residential properties	Heavy Metals, Cyanide, TPH, BTEX, VOCs, PAHs, Phenols	
MW 11S	November 2001	West of Former Gasworks boundary in residential area and close to the former gasometer	Western extent of contamination beneath residential properties	Heavy Metals, Cyanide, TPH, BTEX, VOCs, PAHs, Phenols	
MW 12S	November 2001	Downgradient of Gasometer – shallow aquifer	Contaminant concentrations in the vicinity of the gas holders	Heavy Metals, Cyanide, TPH, BTEX, VOCs, PAHs, Phenols	PAH,
MW 12D	November 2001	Downgradient of Gasometer – deep aquifer	Contaminant concentrations downgradient of the gas holders	Heavy Metals, Cyanide, TPH, BTEX, VOCs, PAHs, Phenols	Benzene, PAH,
MW 13S	November 2001	Downgradient of Gasometer and in vicinity of	Contaminant concentrations	Heavy Metals, Cyanide, TPH,	PAH,

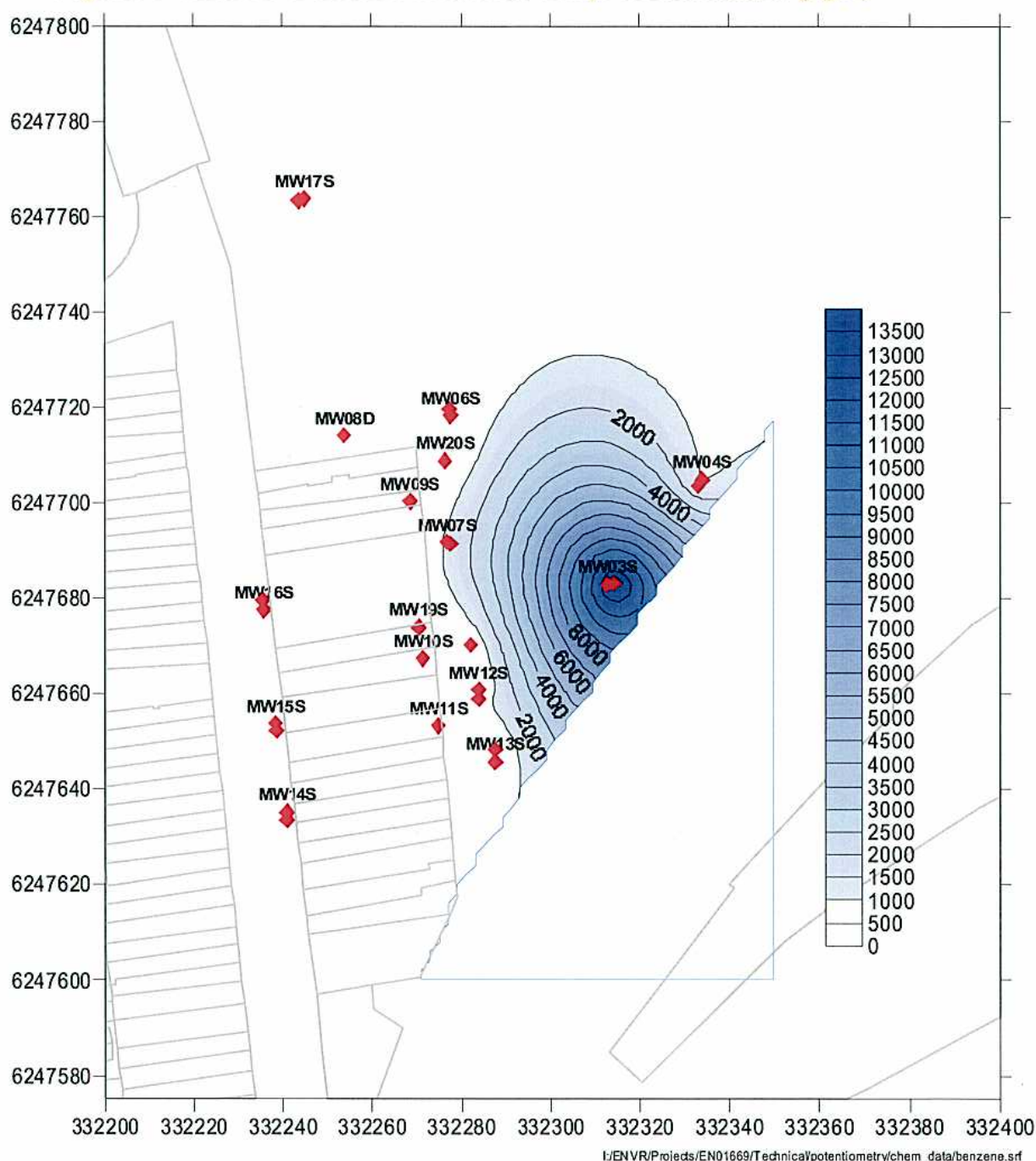


Sample	Date	Location	Purpose/ Target	Analysis undertaken	Exceedances observed
MW 13D	November 2001	drainage line- shallow aquifer	downgradient of the gas holders	BTEX, VOCs, PAHs, Phenols	
MW 14S	November 2001	Downgradient of Gasometer and in vicinity of drainage line – deep aquifer	Contaminant concentrations downgradient of the gas holders	Heavy Metals, Cyanide, TPH, BTEX, VOCs, PAHs, Phenols	PAH
MW 14D	November 2001	West of Former Gasworks boundary and residential area beneath pavement on east side of Burren Street	Western extent of contamination	Heavy Metals, Cyanide, TPH, BTEX, VOCs, PAHs, Phenols	
MW 15S	November 2001	West of Former Gasworks boundary and residential area beneath pavement on east side of Burren Street	Western extent of contamination	Heavy Metals, Cyanide, TPH, BTEX, VOCs, PAHs, Phenols	
MW 15D	November 2001	West of Former Gasworks boundary and residential area beneath pavement on east side of Burren Street	Western extent of contamination	Heavy Metals, Cyanide, TPH, BTEX, VOCs, PAHs, Phenols	
MW 16S	November 2001	West of Former Gasworks boundary and residential area beneath pavement on east side of Burren Street	Western extent of contamination	Heavy Metals, Cyanide, TPH, BTEX, VOCs, PAHs, Phenols	
MW 16D	November 2001	West of Former Gasworks boundary and residential area beneath pavement on east side of Burren Street	Western extent of contamination	Heavy Metals, Cyanide, TPH, BTEX, VOCs, PAHs, Phenols	
MW 17S	November 2001	Upgradient of Former Gasworks and concrete slab – shallow aquifer	Background concentrations of contaminants	Heavy Metals, Cyanide, TPH, BTEX, VOCs, PAHs, Phenols	
MW 17D	November 2001	Upgradient of Former Gasworks and concrete slab – deep aquifer	Background concentrations of contaminants	Heavy Metals, Cyanide, TPH, BTEX, VOCs, PAHs, Phenols	
MW18D	November 2001	Close to western boundary of Former Gasworks– deep aquifer	Contaminant concentrations in the vicinity of the gas holders	Heavy Metals, Cyanide, TPH, BTEX, VOCs, PAHs, Phenols	PAH
MW20s	November 2001	Close to western boundary of Former Gasworks– shallow aquifer	Contaminant concentrations in the vicinity of the gas holders	Heavy Metals, Cyanide, TPH, BTEX, VOCs, PAHs, Phenols	PAH



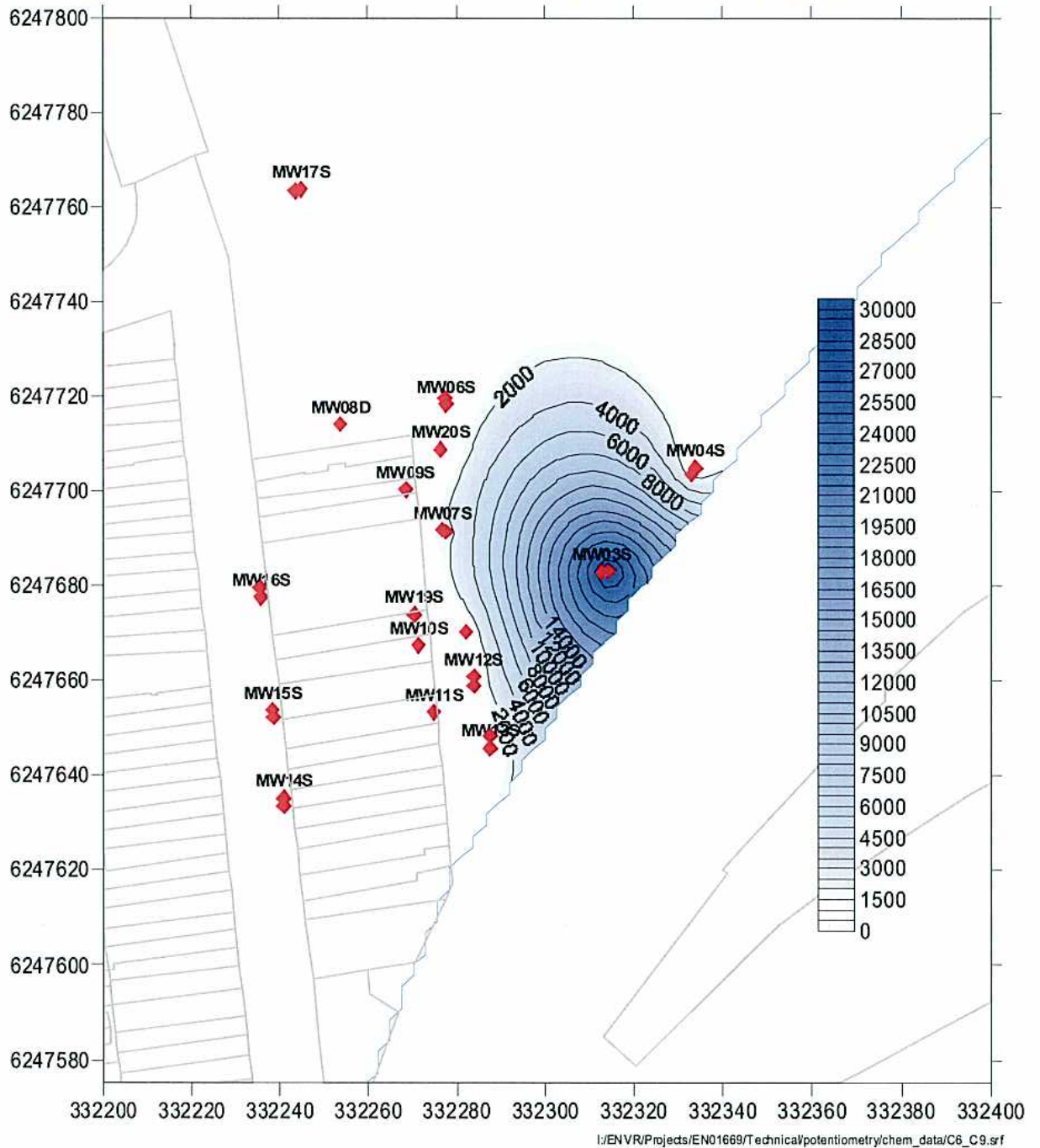
SKM has prepared concentration plots using the previous investigation data for the various groundwater contaminants in the deep groundwater identified during the previous investigations. These plots are shown in **Figures 9 to 13** on the following pages for benzene, C₆-C₉, C₁₀-C₃₆, naphthalene and phenols, respectively.

■ **Figure 9 Historic Benzene Levels in Deep Groundwater (µg/L)**



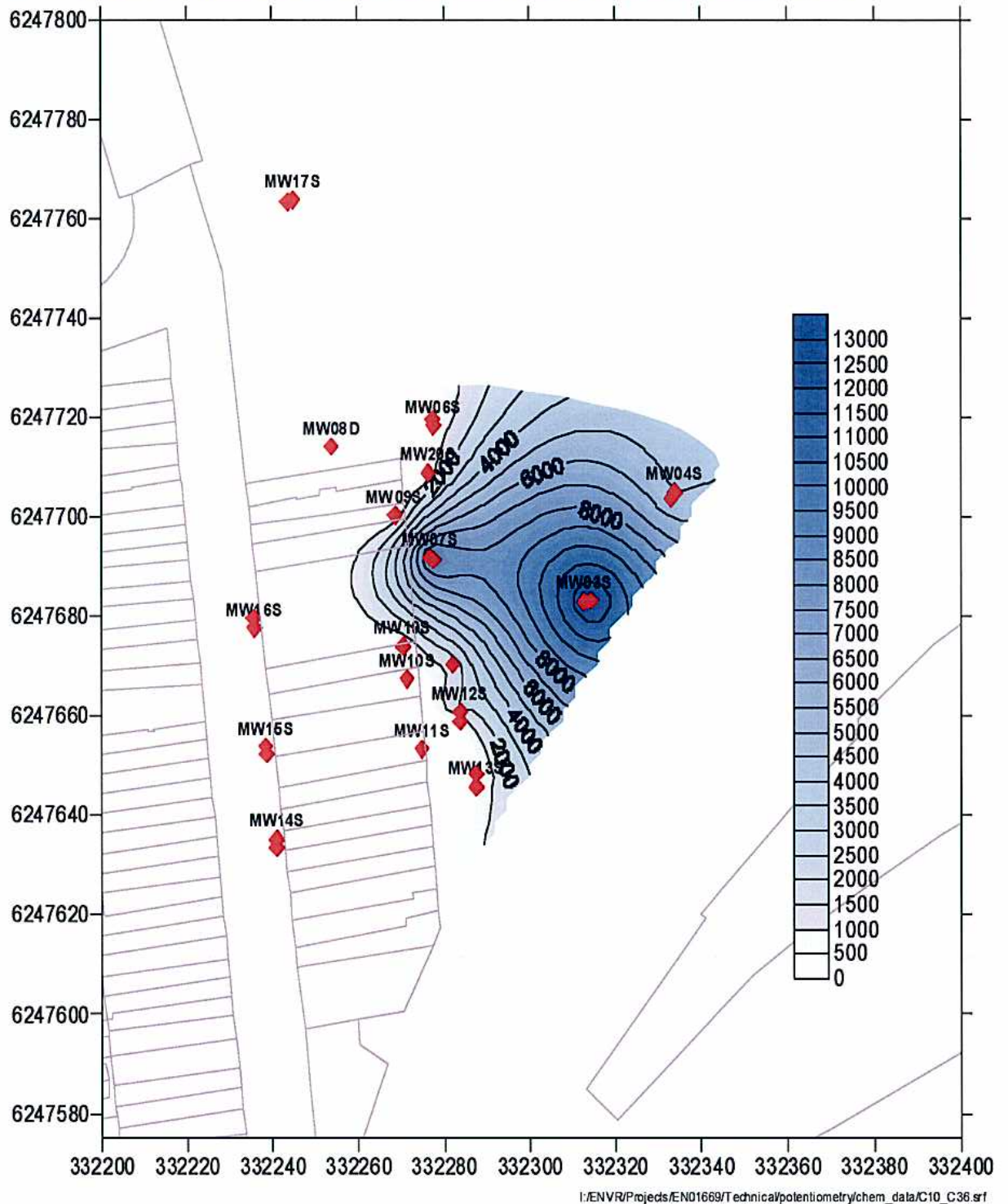


■ **Figure 10 Historic C6-C9 Levels in Deep Groundwater ($\mu\text{g/L}$)**



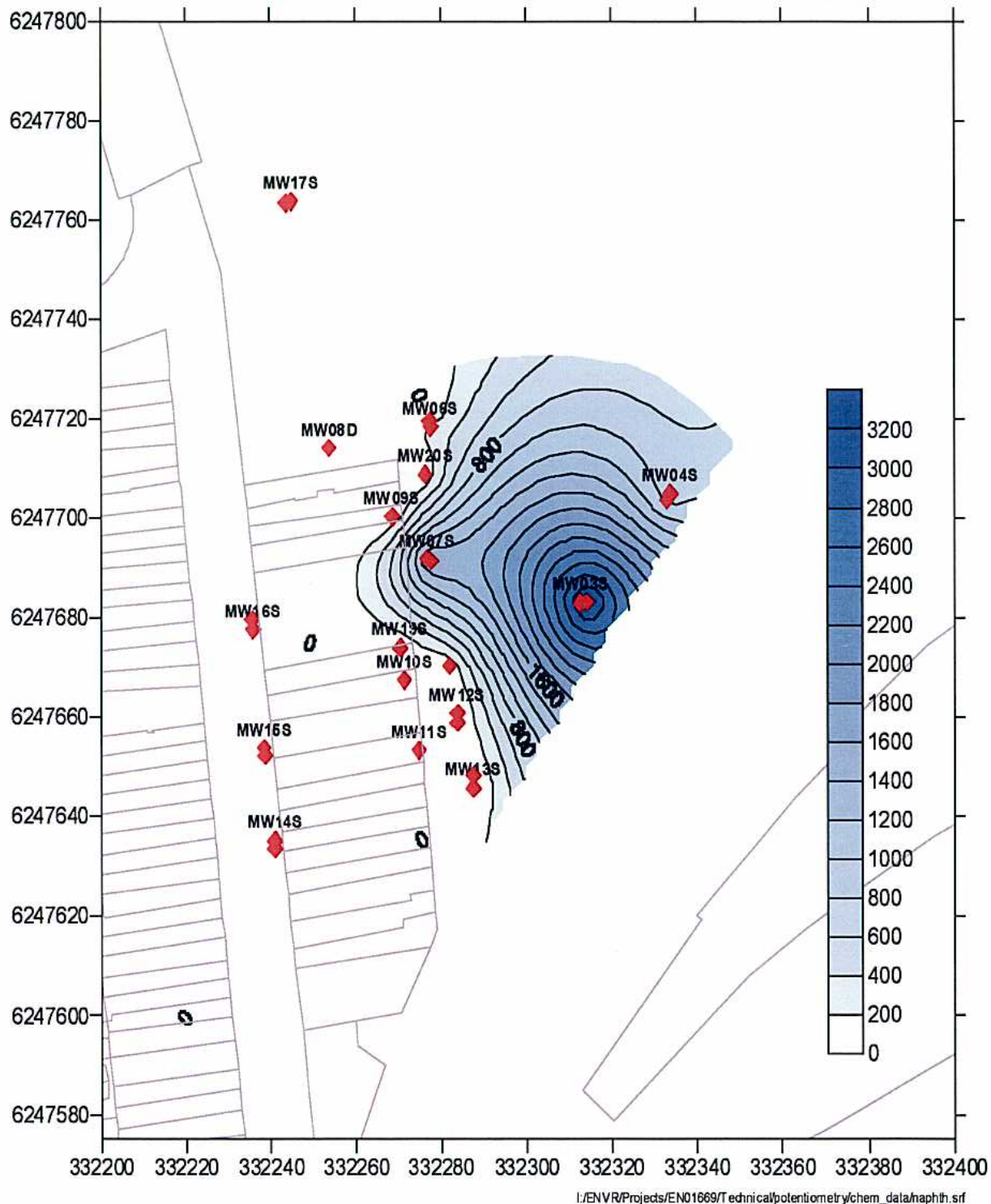


■ **Figure 11 Historic C10-C36 Levels in Deep Groundwater ($\mu\text{g/L}$)**





■ **Figure 12 Historic Naphthalene Levels in Deep Groundwater ($\mu\text{g/L}$)**





■ **Figure 13 Historic Phenols Levels in Deep Groundwater ($\mu\text{g/L}$)**

