

CASE HISTORY 7/94 TO 11/94

SITE LOCATION: Mid-West

TARGET CONTAMINANTS: TPH, BTEX, PAH's in soil,
BTEX & PAH's in ground water.

R&D: Yes

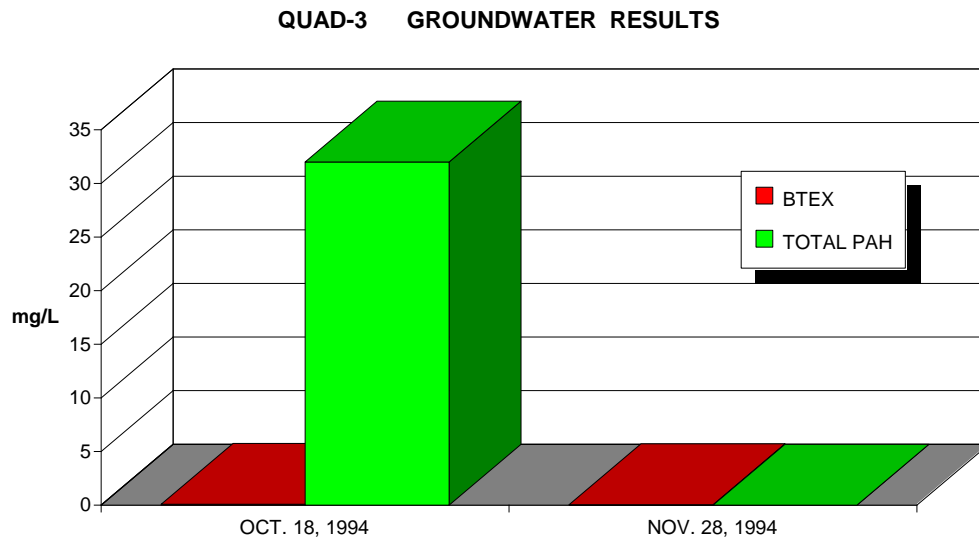
BENCH: No

FIELD APPLICATION: Yes

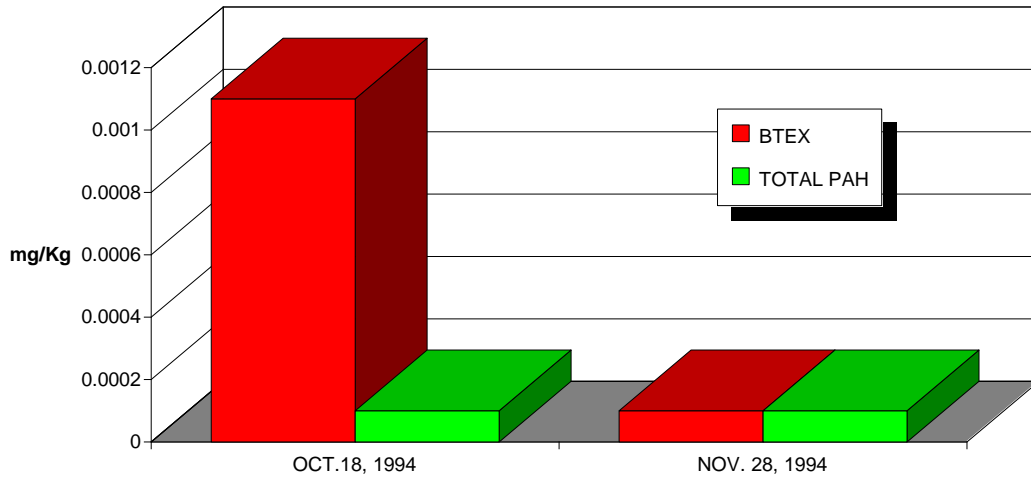
The UST's were removed from the site and the soil and ground water were shown to exceed the Ohio regulations for TPH, BTEX and PAH's. Injection wells were constructed and trenches were dug along the gradient parameters, re-excavated the old tank pits and piled the soils along the tank pit. The soils were all dense, gray clay and some clay-loam in the pit. Ground water was at 3'-5' and fluctuated to 1'-2' during heavy precipitation events. There was also heavy surface staining in the area of the old pumps and refueling areas.

Lambda produced and transported 5,000 gallons of mixotrophic microbes acclimated to the contaminate levels on the site and inoculated the trenches, the pit, the soil piles and the injection wells on October 13, 1994.

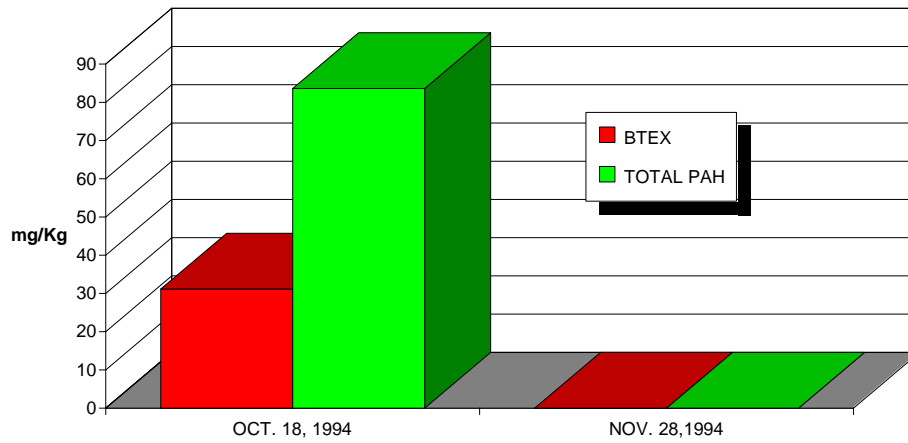
Reads taken in late November, 1994 showed that all the soil and ground water monitoring points met the Ohio Category 3 compliance levels.



QUAD-3 SOIL PIT RESULTS



QUAD-3 TRENCH SOIL RESULTS



QUAD-3 SOIL PILE RESULTS

