



US ATSDR = United States Agency For Toxic Substances And Disease Registry

STEL = Short term exposure limit. REL = Recommended Exposure Limit. N/A = Not Available.

OEL = Occupational exposure limit. US CDC = United States Centre for Disease Control. MRL = Minimum Risk Level

# Based on excess lifetime risk of 1:10,000; 1:100,000; and 1:1,000,000

## References

\* McParland M and Bates N, *Toxicology of Solvents*, Rapra Ltd 2002.

\*\* U.S. Department of Health and Human Services, *Registry of Toxic Effects of Chemical Substances*, 2010

\*\*\*Coward et al, *Indoor AQ in homes in England*, BRE, 2002

Other references - Bingham et al, *Patty's Toxicology 5th Ed*, Wiley Ltd, 2001

## Guide to the VOC monitoring results summary sheet

This summary presents the results of 28 day average VOC monitoring results taken at the perimeter of the Hauxton remediation site. The VOCs found at levels above 1 part per billion are listed. The names of the chemicals, the levels found and data about the identified VOCs are presented in horizontal rows across the table.

Column (1) - Lists the individual VOCs identified at the site perimeter.

Column (2) - Lists the monitoring results for these VOCs taken in the month prior to excavation taking place. The maximum concentrations from the site boundary are shown.

Column (3) - Lists the monitoring results for the VOCs from 18/03/10 - 15/04/10. The maximum concentrations from the site boundary are shown.

Column (4) - Lists the monitoring results for the VOCs from 15/4/10 - 13/5/10. The maximum concentrations from the site boundary are shown.

Column (5) - Lists the monitoring results for the VOCs from 13/5/10 - 10/6/10. The maximum concentrations from the site boundary are shown.

Column (6) - Lists the monitoring results for the VOCs from 10/6/10 to 8/7/10. The maximum concentrations from the site boundary are shown.

Column (7) - Lists the monitoring results for the VOCs from 08/07/10 to 05/08/10. The maximum concentrations from the site boundary are shown.

Column (8) - Lists the monitoring results for the VOCs from 06/08/10 to 03/09/10. The maximum concentrations from the site boundary are shown.

Column (9) - Lists the monitoring results for the VOCs from 03/09/10 to 30/09/10. The maximum concentrations from the site boundary are shown.

Column (10) - Lists the monitoring results for the VOCs from 30/09/10 to 28/10/10. The maximum concentrations from the site boundary are shown.

Column (11) - Lists the monitoring results for the VOCs from 28/10/10 to 25/11/10. The maximum concentrations from the site boundary are shown.

Column (12) - Lists the monitoring results for the VOCs from 25/11/10 to 21/12/10. The maximum concentrations from the site boundary are shown.

Column (13) - Lists the monitoring results for the VOCs from 21/12/10 to 20/01/11. The maximum concentrations from the site boundary are shown.

Column (14) - Lists the monitoring results for the VOCs from 20/01/11 to 17/02/11. The maximum concentrations from the site boundary are shown.

Column (15) - Lists the monitoring results for the VOCs from 17/02/11 to 17/03/11. The maximum concentrations from the site boundary are shown.

Column (16) - Lists the monitoring results for the VOCs from 17/03/11 to 14/04/11. The maximum concentrations from the site boundary are shown.

Column (17) - Lists the monitoring results for the VOCs from 14/04/11 to 12/05/11. The maximum concentrations from the site boundary are shown.

Column (18) - Lists the monitoring results for the VOCs from 12/05/11 to 09/06/11. The maximum concentrations from the site boundary are shown.

Column (19) - Lists the monitoring results for the VOCs from 09/06/11 to 13/07/11. The maximum concentrations from the site boundary are shown.

Column (20) - Lists the monitoring results for the VOCs from 13/07/11 to 15/08/11. The maximum concentrations from the site boundary are shown.

Column (21) - Lists the monitoring results for the VOCs from 15/08/11 to 08/09/11. The maximum concentrations from the site boundary are shown.

Column (22) - Lists the monitoring results for the VOCs from 08/09/11 to 06/10/11. The maximum concentrations from the site boundary are shown.

Column (23) - Lists the monitoring results for the VOCs from 06/10/11 to 03/11/11. The maximum concentrations from the site boundary are shown.

Column (24) - Lists the World Health Organisation air quality guideline levels for the VOCs, where available. These guideline levels provide a basis for protecting public health from adverse effects of air pollution. They are calculated to protect the health of the whole population, including susceptible groups, based on a lifetime exposure to the chemicals.

Column (25) - Lists the Environmental assessment levels (EALs) for the identified VOCs. EALs are calculated for the protection of health by the Environment Agency. They are used to provide direction in the risk management decisions for industrial processes under the Environmental Permitting (England and Wales) Regulations 2007.

Column (26) - Lists the results of studies of health effects arising from exposure to VOCs. The levels shown indicate the amount of the VOC required in the air to lead to health effects such as irritation.

Column (27) - Lists the levels of the VOCs found in a study of indoor air quality carried out by the Department of the Environment, Food and Rural Affairs in 2002

Column (28) - Lists the common uses of the VOCs identified.