

3M™ Organic Vapor Diffusion Monitor 3500/3510 & 3520/3530 – Reading the Report

Your returned Monitor Analysis Report will look like this:

3M Diffusional Monitor Analysis Report

Analytical Service
 3M Occupational Health and
 Environmental Safety Division
 Telephone: 800-243-4630



B.I.C. - Chemistry Department
 11001 Hampshire Ave. S.
 Minneapolis, MN 55438

Report Number:	0606555	Page:	Page
No. of Monitors:	1	Test Method Used:	3M DVM
Analysis Performed:	10/26/2006	Report Date:	
Analyzed By:	EK		

Erik Johnson

Client: 3M
 Erik Johnson

Project Manager
 * 3M Analysis Services provided by
 Evans Analytical Corporation

User Identification	Monitor Code	Sampling Date	Sampling Time	Weight	Concentration	
		Compound(s)		Micrograms	mg/m3	PPM
Fake Sample		10/25/06	480 min.			
		Toluene		4350	283	75.1

Footnotes:

THIS SAMPLE AND REPORT WAS CREATED FOR 3M TO USE AS A TRAINING TOOL. THERE WAS NOT AN ACTUAL SAMPLE ANALYZED.

3M warrants only the accuracy of the sampling/analytical methods and the data obtained thereby. 3M disclaims responsibility for any comparisons of test data to any existing or future health and safety standards as to whether such standards are or are not adequate to insure the safety of persons or property.

Important Notice to User

The following warranty is made in lieu of all other warranties express or implied, including but not limited to the implied warranties of merchantability and fitness for purpose: 3M OH & ESD products sold will meet the physical standards and properties set forth in the applicable product specification datasheets issued by 3M. 3M's only obligation under this warrant shall be to replace such quantity of 3M OH & ESD products proved to be defectively manufactured by failing to meet the aforementioned specification data sheets, and to be responsible for any third party personal injuries directly caused by said defects. Except as provided above 3M shall not be liable or responsible for any loss, damage, or liability, direct, indirect, incidental, special or consequential, arising out of the sale, use or misuse, or the inability to use products by the user.

The ‘‘Concentration’’ Column (circled) is where you will find the average concentration based upon the amount found by the lab and the time that you reported. This average may be converted to an 8 hour time weighted average if you wish to compare it against an 8 hour exposure limit.

Scenario 1:

Sample was for 6 hours and worker was NOT exposed to contaminants for the remaining 2 hours. The 8 hour TWA may be determined using the following equation:

$$\frac{(\text{Report Concentration} \times 6 \text{ hours}) + (0 \text{ ppm} \times 2 \text{ hours})}{8 \text{ hours}}$$

Scenario 2:

Sample was for 6 hours, but worker has the same exposure for the remaining 2 hours. Since the exposure in the remaining two hours is the same, the report concentration will be the same as the 8 hour TWA.

The 8 hour TWA may be entered into the 3M™ Select Software on 3M.com/occsafety to determine which respirator choices are appropriate.

Many customers also use the monitors to help determine cartridge change schedules. It is not necessary to convert to a time weighted average before using the 3M™ Service Life Software on 3M.com/occsafety.

This completes the 3500/3510 & 3520/3530 Monitor Training. Please review the user instructions, packaged with the product, or contact 3M at 1-800-243-4630 if you have any questions or require additional information.