

EDL
Environmental Diagnostics Laboratory



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Mechanical Division:
U.S. ENERGY SERVICES
St. Lic #CAC057992

Publisher of:
THE IEQ REVIEW

Home of the:
**Indoor Air Quality
Screen Test Kit
(IAQ-STK)**



EMLAP #102795
ISO/IEC 17025 Compliant



April 11, 2008

Jane Example
Ms. Jane Example Residence
Example Residence

Re: Work Authorization # **00099-001000**

Dear Jane Example,

We appreciate the opportunity to provide you with our professional indoor environmental laboratory services. The following environmental assays were performed on the samples submitted by you:

• **Formaldehyde Screen Check**

Please call me at 1-800-422-7873, ext. 404, should you have any questions. We look forward in assisting you to create a healthy indoor environment for you and your organization.

Sincerely,

Dr. Rajiv Sahay
EDL Laboratory Manager

Corporate Office

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EDLab
Environmental Diagnostics Laboratory
1-800-422-7873, Ext. 301

Laboratory Analysis Report "Other" Samples



Client: **Jane Example**
Jobsite: **Ms. Jane Example Residence**
Location: **Example Residence**

PACS ID #: **00099**
Work Order #: **001000**
Project Date: **3/31/2008**
Date Issued: **4/11/2008**

Mech. Unit: **1**
Zone: **Living Room**
Test Site: **Floor Tile**

Sample #	Sample Type	Date	Time	Results	Units
10010001	Formaldehyde Screen Check	4/1/2008	12:00 pm	0.09	ppm

ND = None Detected. Results are less than the method detection limit.

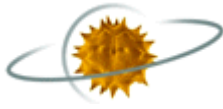
<= Less Than or Equal To. The analyte was detected but at a level too low to be accurately quantitated. The actual amount is less than or equal to the reported value.

The results in this report apply only to the sample(s) specifically listed above and tested at Environmental Diagnostics Laboratory. Unless otherwise noted, samples were received in good condition. Laboratory prepared Quality Control (QC) samples are analyzed with the samples routinely; however, unless a blank (control) is received, the result for the control is not compared.

Quality Controlled By: 

Approved By: 

Rajiv R. Sahay, Ph.D.



EDLab
Environmental Diagnostics Laboratory
1-800-422-7873, Ext. 301



Client: Jane Example
Jobsite: Ms. Jane Example Residence
Location: Example Residence
PACS ID#: 00099
Work Order #: 001000

April 11, 2008

End of Report



Healthy Home / Building Considerations:

Background: The following Healthy Home / Building options should be considered:

<p>A. <u>Baseline Indoor Air Quality Study:</u></p>	<p>Depending on occupant complaints, perform an independent comprehensive Indoor Air Quality baseline study to determine specificity of indoor pollutants and possible cause / effect relationship of building occupants.</p>
<p>B. <u>Air Conveyance System (ACS):</u></p>	<p>Inspect for cleanliness. Depending on condition, environmentally clean and treat ACS.</p>
<p>C. <u>Air Handler Unit (AHU):</u></p>	<p>Inspect for cleanliness. Depending on condition, environmentally clean and treat AHU; reline with closed cell non-porous material.</p>
<p>D. <u>UV Light:</u></p>	<p>Inspect for application. Typical UV lights (germicidal lamps) mount in the ductwork system or air handling unit and have the ability to control harmful bacteria, mold, viruses, etc. Post cooling coil application is best. UV light should be used in conjunction with high MERV filtration and environmentally clean HVAC systems.</p>
<p>E. <u>AHU Air Filtration:</u></p>	<p>Depending upon present filtration, upgrade to highest ASHRAE standard Minimum Efficacy Reporting Value (MERV) rating available, while maintaining equipment static pressure requirements. A MERV rating of 16 is the highest.</p> <p>Quick Reference to Various Air Filter MERV Ratings:</p> <ul style="list-style-type: none"> • MERV 1 - MERV 4: Throw-Away Fiberglass Media less than 20% @ 3 - 10 microns • MERV 5: Pleated Media Air Filters 20 - 34.9% @ 3 - 10 microns • MERV 10: Pleated Media Air Filters 85% @ 3 - 10 microns • MERV 14: Pleated Media Air Filters 85% - 94.9% @ .3 - 1.0 microns • MERV 16: Pleated Media Air Filters at 95% @ .3 - 1.0 microns <p>Note: The average Particle Size Particulate Efficiency (PSE) rating varies from MERV 1 - 16.</p>
<p>F. <u>HEPA Vacuum Cleaner:</u></p>	<p>Review housekeeping protocols. Depending on present vacuum product, upgrade vacuum cleaner to HEPA fitted at 99.97% efficient at .3 microns.</p>
<p>G. <u>Polytac Prefilter at Return Grills:</u></p>	<p>Install filters to arrest large particulates prior to entering the Return Air Duct System.</p>
<p>H. <u>Unit Ventilation System (UVS):</u></p>	<p>UVS's are typically whole house air filtration and ventilators that circulate fresh air into the home every 2-4 hours, while removing potential stale air to the outside.</p>

NOTE: Any remedial activities should be accomplished using strict environmental remediation protocols and performed by a qualified professional.

Please contact at 1-800-422-7873 for further information.