Healthy Indoor Professionals

Phone # 310-971-6723
Email: drmasoumi@healthyindoorprofessionals.com
www.HealthyIndoorProfessionals.com

Client: Altadena Library
Address: 600 E Mariposa St. Altadena, CA 91001
Date of Inspection: 02.14.25
Invoice # 1736

Confidential Wildfire VOCs Smoke Impact Assessment Report

Healthy Indoor Professionals

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Results: Four air samples for fire and smoke VOCs were collected from administrative office, children staff desk, technical services and break room. Lab report, confirmed fire/smoke residue is not present above the stated reporting limits. That means lab did not detect the primary fire and smoke indicator compounds in the four collected air samples from library. I have to mention that there are some compounds which can be produced by fire or their sources can be other than fire such as industrial productions or vehicle exhaustion. These compounds named as secondary fire and smoke indicators and lab measured their levels in the air samples as well. Between secondary indicators, lab detected Furfural in all four indoor air samples but with concentrations lower than 0.002 ppb. This level is much lower than recommended and regulated levels by NIOSH and OSHA.

Recommendations: We can always have a better air quality with running air purifiers. To reduce VOCs in indoor air we can run air purifiers with black carbon filters in indoors.

Report prepared by Ava Masoumi, PhD

ENTHALPY ANALYTICAL
formerly *Prism Analytical Technologies*

Analytical Report

Client:	Healthy Indoor Professionals 11734 Wilshire Blvd Apt # 706 Los Angeles, CA 90025	**COC:** **Laboratory ID:**	**117699** **117699-2**
Sampled By:	Ava Hasti		
Project:	1736		
Location:	1736F_600 E Mariposa -	Received Date: Approved Date: Scanned Date: Report Date:	02/19/2025 02/26/2025 02/21/2025 02/26/2025
Client Sample ID:	Children Staff Desk		
Volume:	24 L		
Date Sampled:	02/14/2025		
Sample Type:	TDT AM402		
Sample Condition:	Acceptable		

A2-MS Fire TDT Analysis

Primary and Secondary Fire/Smoke indicators are listed below. Secondary indicators may have significant additional sources or insufficient instrument response. Results reported semiquantitatively are determined based on an internal standard ratio only. Results displayed in order of decreasing volatility as indicated by the Retention Index (RI). Applicable methods for this analytical technique include (with relevant modifications) NIOSH 2549, US EPA TO-17, and ISO 16000-6.

General Notes

The Fire VOC results below indicate that fire/smoke residue is not present above the stated reporting limit.

Primary Fire Indicators

Compound	CAS	Concentration ng/L	Reporting Limit ng/L	RI	Additional Information
o-Cresol	95-48-7	< 0.2	0.2	984	
2-Methoxyphenol	90-05-1	< 0.2	0.2	990	Guaicol
m,p-Cresol	108-39-4 & 106-44-5	< 0.4	0.4	998	
Creosol	93-51-6	< 0.2	0.2	1041	
4-Ethyl-2-methoxyphenol	2785-89-9	< 0.4	0.4	1080	4-Ethylguaicol
Acenaphthylene	208-96-8	< 0.2	0.2	1199	

Secondary Fire Indicators

Compound	CAS	Concentration ng/L	Reporting Limit ng/L	RI	Additional Information
Acrolein	107-02-8	< 0.8	0.8	503	Reported Semiquantitatively
Acetonitrile	75-05-8	< 0.4	0.4	521	
2-Furaldehyde	98-01-1	1.4	0.8	798	Furfural
Salicylaldehyde	90-02-8	0.2	0.2	967	
2,4-Dimethylphenol	105-67-9	< 0.2	0.2	1028	

Secondary Fire Indicators		Concentration	Reporting Limit		
Compound	**CAS**	**ng/L**	**ng/L**	**RI**	**Additional Information**
Naphthalene	91-20-3	< 0.2	0.2	1041	
2-Methylnaphthalene	91-57-6	< 0.2	0.2	1094	
Biphenyl	92-52-4	< 0.8	0.8	1135	Reported Semiquantiatively
Methylbiphenyl	N/A	< 0.8	0.8	1194	Cannot determine isomer; Reported Semiquantitatively

These results pertain only to this sample as it was collected and to the items reported.
These results have been reviewed and approved by the Laboratory Director or authorized representative.

Alice E. Delia, Ph.D., Laboratory Director

Enthalpy Analytical, LLC (MTP)
2625 Denison Dr.
Mt. Pleasant, MI 48858
989-772-5088

ENTHALPY ANALYTICAL
formerly *Prism Analytical Technologies*

Analytical Report

Client:	Healthy Indoor Professionals 11734 Wilshire Blvd Apt # 706 Los Angeles, CA 90025	**COC:** **Laboratory ID:**	**117699** **117699-3**
Sampled By:	Ava Hasti		
Project:	1736		
Location:	1736F_600 E Mariposa -	Received Date: Approved Date: Scanned Date: Report Date:	02/19/2025 02/26/2025 02/21/2025 02/26/2025
Client Sample ID:	Technical Services		
Volume:	24 L		
Date Sampled:	02/14/2025		
Sample Type:	TDT AL235		
Sample Condition:	Acceptable		

A2-MS Fire TDT Analysis

Primary and Secondary Fire/Smoke indicators are listed below. Secondary indicators may have significant additional sources or insufficient instrument response. Results reported semiquantitatively are determined based on an internal standard ratio only. Results displayed in order of decreasing volatility as indicated by the Retention Index (RI). Applicable methods for this analytical technique include (with relevant modifications) NIOSH 2549, US EPA TO-17, and ISO 16000-6.

General Notes

The Fire VOC results below indicate that fire/smoke residue is not present above the stated reporting limit.

Primary Fire Indicators

Compound	CAS	Concentration ng/L	Reporting Limit ng/L	RI	Additional Information
o-Cresol	95-48-7	< 0.2	0.2	984	
2-Methoxyphenol	90-05-1	< 0.2	0.2	990	Guaicol
m,p-Cresol	108-39-4 & 106-44-5	< 0.4	0.4	998	
Creosol	93-51-6	< 0.2	0.2	1041	
4-Ethyl-2-methoxyphenol	2785-89-9	< 0.4	0.4	1080	4-Ethylguaicol
Acenaphthylene	208-96-8	< 0.2	0.2	1199	

Secondary Fire Indicators

Compound	CAS	Concentration ng/L	Reporting Limit ng/L	RI	Additional Information
Acrolein	107-02-8	< 0.8	0.8	503	Reported Semiquantitatively
Acetonitrile	75-05-8	< 0.4	0.4	521	
2-Furaldehyde	98-01-1	1.2	0.8	798	Furfural
Salicylaldehyde	90-02-8	0.2	0.2	967	
2,4-Dimethylphenol	105-67-9	< 0.2	0.2	1028	

Secondary Fire Indicators

Compound	CAS	Concentration ng/L	Reporting Limit ng/L	RI	Additional Information
Naphthalene	91-20-3	< 0.2	0.2	1041	
2-Methylnaphthalene	91-57-6	< 0.2	0.2	1094	
Biphenyl	92-52-4	< 0.8	0.8	1135	Reported Semiquantiatively
Methylbiphenyl	N/A	< 0.8	0.8	1194	Cannot determine isomer; Reported Semiquantitatively

These results pertain only to this sample as it was collected and to the items reported.
These results have been reviewed and approved by the Laboratory Director or authorized representative.

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ENTHALPY ANALYTICAL
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Analytical Report

Client:	Healthy Indoor Professionals 11734 Wilshire Blvd Apt # 706 Los Angeles, CA 90025	**COC:** **Laboratory ID:**	**117699** **117699-4**
Sampled By:	Ava Hasti		
Project:	1736		
Location:	1736F_600 E Mariposa -	Received Date: Approved Date: Scanned Date: Report Date:	02/19/2025 02/26/2025 02/21/2025 02/26/2025
Client Sample ID:	Break Room		
Volume:	24 L		
Date Sampled:	02/14/2025		
Sample Type:	TDT AK202		
Sample Condition:	Acceptable		

A2-MS Fire TDT Analysis

Primary and Secondary Fire/Smoke indicators are listed below. Secondary indicators may have significant additional sources or insufficient instrument response. Results reported semiquantitatively are determined based on an internal standard ratio only. Results displayed in order of decreasing volatility as indicated by the Retention Index (RI). Applicable methods for this analytical technique include (with relevant modifications) NIOSH 2549, US EPA TO-17, and ISO 16000-6.

General Notes

The Fire VOC results below indicate that fire/smoke residue is not present above the stated reporting limit.

Primary Fire Indicators

Compound	CAS	Concentration ng/L	Reporting Limit ng/L	RI	Additional Information
o-Cresol	95-48-7	< 0.2	0.2	984	
2-Methoxyphenol	90-05-1	< 0.2	0.2	990	Guaicol
m,p-Cresol	108-39-4 & 106-44-5	< 0.4	0.4	998	
Creosol	93-51-6	< 0.2	0.2	1041	
4-Ethyl-2-methoxyphenol	2785-89-9	< 0.4	0.4	1080	4-Ethylguaicol
Acenaphthylene	208-96-8	< 0.2	0.2	1199	

Secondary Fire Indicators

Compound	CAS	Concentration ng/L	Reporting Limit ng/L	RI	Additional Information
Acrolein	107-02-8	< 0.8	0.8	503	Reported Semiquantitatively
Acetonitrile	75-05-8	< 0.4	0.4	521	
2-Furaldehyde	98-01-1	1.3	0.8	798	Furfural
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Secondary Fire Indicators

Compound	CAS	Concentration ng/L	Reporting Limit ng/L	RI	Additional Information
Naphthalene	91-20-3	< 0.2	0.2	1041	
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Biphenyl	92-52-4	< 0.8	0.8	1135	Reported Semiquantiatively
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Analytical Report

Client:	Healthy Indoor Professionals 11734 Wilshire Blvd Apt # 706 Los Angeles, CA 90025	**COC:** **Laboratory ID:**	**117699** **117699-1**
Sampled By:	Ava Hasti		
Project:	1736		
Location:	1736F_600 E Mariposa -	Received Date: Approved Date: Scanned Date: Report Date:	02/19/2025 02/26/2025 02/20/2025 02/26/2025
Client Sample ID:	Administrative Office		
Volume:	24 L		
Date Sampled:	02/14/2025		
Sample Type:	TDT AN731		
Sample Condition:	Acceptable		

A2-MS Fire TDT Analysis

Primary and Secondary Fire/Smoke indicators are listed below. Secondary indicators may have significant additional sources or insufficient instrument response. Results reported semiquantitatively are determined based on an internal standard ratio only. Results displayed in order of decreasing volatility as indicated by the Retention Index (RI). Applicable methods for this analytical technique include (with relevant modifications) NIOSH 2549, US EPA TO-17, and ISO 16000-6.

General Notes

The Fire VOC results below indicate that fire/smoke residue is not present above the stated reporting limit.

Primary Fire Indicators

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Secondary Fire Indicators

Compound	CAS	Concentration ng/L	Reporting Limit ng/L	RI	Additional Information
Acrolein	107-02-8	< 0.8	0.8	503	Reported Semiquantitatively
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Compound	**CAS**	**ng/L**	**ng/L**	**RI**	**Additional Information**
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