ENTHALPY ANALYTICAL
formerly *Prism Analytical Technologies*

Analytical Report

Sample Report

Client:	Prism Analytical Technologies 2625 Denison Drive Mt. Pleasant, MI 48858	**COC:** **Laboratory ID:**	**6010** **6010-1**
Sampled By:	Alex Carter		
Project:	J Cantrell 2258		
Location:	485 W. Maple Ave. Boston, MA 25478	Received Date: Approved Date: Scanned Date: Report Date:	10/21/2021 10/21/2021 10/22/2021 10/28/2021
Client Sample ID:	Office 24.4 L		
Date Sampled:	10/19/2021		
Sample Type:	TDT 154J		
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

Carryover from a previous sample may have affected the results for this sample; adjustments have been made where possible.

The Fire VOC results below indicate that fire/smoke residue is 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	1196	
2-Methoxyphenol	90-05-1	1.1	0.2	1206	Guaicol
m,p-Cresol	108-39-4 & 106-44-5	0.6	0.4	1225	
Creosol	93-51-6	0.7	0.4	1314	
4-Ethyl-2-methoxyphenol	2785-89-9	< 0.4	0.4	1403	4-Ethylguaicol
Acenaphthylene	208-96-8	0.2	0.2	1608	

Secondary Fire Indicators

Compound	CAS	Concentration ng/L	Reporting Limit ng/L	RI	Additional Information
Acrolein	107-02-8	2.0	1.0	556	Reported Semiquantitatively
Acetonitrile	75-05-8	< 0.4	0.4	585	
2-Furaldehyde	98-01-1	0.9	0.2	934	Furfural

Secondary Fire Indicators		Concentration	Reporting Limit		
Compound	**CAS**	**ng/L**	**ng/L**	**RI**	**Additional Information**
Salicylaldehyde	90-02-8	< 0.4	0.4	1161	
2,4-Dimethylphenol	105-67-9	< 0.2	0.2	1288	
Naphthalene	91-20-3	< 0.4	0.4	1307	
2-Methylnaphthalene	91-57-6	< 0.4	0.4	1422	
Biphenyl	92-52-4	< 1	1.0	1501	Reported Semiquantiatively
Methylbiphenyl	N/A	< 1	1.0	1671	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

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