

Client: Prism Analytical Technologies

COC: 6010
Laboratory ID: 6010-1

Sampled By: Alex Carter
Project: J Cantrell 2258
Location: 485 W. Maple Ave.
Boston, MA 25478

Received Date: 10/21/2020
Approved Date: 10/21/2020
Scanned Date: 10/22/2020
Report Date: 10/28/2020

Client Sample ID: Office
Volume: 24.4 L
Date Sampled: 10/19/2020
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

The Fire VOC results below indicate that fire/smoke residue is present above the stated reporting limit.

Primary Fire Indicators

Compound	CAS	Concentration	Reporting Limit	RI	Additional Information
		ng/L	ng/L		
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	Reporting Limit	RI	Additional Information
		ng/L	ng/L		
Acrolein	107-02-8	2.0	1.0	556	Reported Semiquantitatively
Acetonitrile	75-05-8	< 0.2	0.2	585	
2-Furaldehyde	98-01-1	0.9	0.2	934	Furfural
Salicylaldehyde	90-02-8	< 0.4	0.4	1161	
2,4-Dimethylphenol	105-67-9	< 0.2	0.2	1288	

Secondary Fire Indicators

Compound	CAS	Concentration	Reporting Limit	RI	Additional Information
		ng/L	ng/L		
Naphthalene	91-20-3	0.3	0.2	1307	
2-Methylnaphthalene	91-57-6	< 0.2	0.2	1422	
Biphenyl	92-52-4	< 1	1.0	1501	Reported Semiquantitatively
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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