

Fike

Analytical Report

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Analytical Technologies, L.L.C.

Revised

Client: IAQ Management
 Project: 1803-8042
 Location: 1735
 Sampled By: JB

C.O.C. No.: 4160
 Order Date: 03/14/2018
 Report Date: 03/22/2018

NIOSH 2549 AirSurvey Analysis All results are reported in ng/L

A scan was made for all compounds contained in the attached AirSurvey List of Compounds Quantitative List and Semiquantitative List. All compounds detected are listed below:

Page 1 of 2

Client Sample ID: Room A5
 Laboratory ID: 4160 -2
 Date Sampled: 03/13/2018
 Date Analyzed: 03/15 Volume: 36. L

Detection Limits	
Quantitative List:	0.5 ng/L
Semiquantitative List:	3 ng/L

Compound	Calculated Result	Actual Result	Comments
Total VOCs		60	Total volatile organic compounds calculated based on internal standard ratio; does not include C1, C2, or methanol
Dichlorodifluoromethane		0.6	Freon 12 ppb 0.1 MW 120 CAS 75-71-8
Trichlorofluoromethane		1.7	Freon 11 ppb 0.3 MW 136 CAS 75-69-4
Toluene		1.0	Methyl benzene ppb 0.3 MW 92 CAS 108-88-3
Acetaldehyde		D; 0.3	ppb 0.1 MW 44 CAS 75-07-0
Ethanol	13	6-26	Ethyl alcohol ppb 6.9 MW 46 CAS 64-17-5
Acetone	6	3-12	2-Propanone ppb 2.4 MW 58 CAS 67-64-1
Isopropanol	13	6-26	Isopropyl alcohol; 2-propanol ppb 5.2 MW 60 CAS 67-63-0
Propanal		ND	Propionaldehyde MW 58 CAS 123-38-6
Butanal		D; 0.05	Butyraldehyde ppb 0.02 MW 72 CAS 123-72-8
Pentanal		D; 0.08	Valeraldehyde ppb 0.02 MW 86 CAS 110-62-3
Hexanal		D; 0.3	Hexaldehyde; caproic aldehyde ppb 0.06 MW 100 CAS 66-25-1
Heptanal		ND	Heptaldehyde MW 114 CAS 111-71-7
Benzaldehyde	1	0.5-2	ppb 0.2 MW 106 CAS 100-52-7

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Detection Limits	
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Compound	Calculated Result	Actual Result	Comments
Limonene	3	1-6	AirSurvey does not differentiate between Limonene (CAS 138-86-3) and d-Limonene (CAS 5989-27-5) ppb 0.5 MW 136 CAS 138-86-3
Octanal		ND	Caprylic aldehyde MW 128 CAS 124-13-0
Nonanal		D; 0.15	ppb 0.03 MW 142 CAS 124-19-6
Decanal		ND	MW 156 CAS 112-31-2
Dodecanal		ND	Lauryl aldehyde MW 184 CAS 112-54-9

These results have been reviewed and approved
 by the Technical Director



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