

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 A1  
 Laboratory ID: 4160 - 1  
 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		140	Total volatile organic compounds calculated based on internal standard ratio; does not include C1, C2, or methanol
Toluene		0.6	Methyl benzene ppb 0.2 MW 92 CAS 108-88-3
Acetaldehyde	1	0.5-2	ppb 0.6 MW 44 CAS 75-07-0
Ethanol	13	6-26	Ethyl alcohol ppb 6.7 MW 46 CAS 64-17-5
Acetone	10	5-20	2-Propanone ppb 4.0 MW 58 CAS 67-64-1
Isopropanol	84	42-170	Isopropyl alcohol; 2-propanol ppb 34 MW 60 CAS 67-63-0
Propanal		ND	Propionaldehyde MW 58 CAS 123-38-6
Butanal		D; 0.1	Butyraldehyde ppb 0.03 MW 72 CAS 123-72-8
Pentanal		D; 0.1	Valeraldehyde ppb 0.03 MW 86 CAS 110-62-3
Hexanal		D; 0.2	Hexaldehyde; caproic aldehyde ppb 0.05 MW 100 CAS 66-25-1
Heptanal		D; 0.06	Heptaldehyde ppb 0.01 MW 114 CAS 111-71-7
Limonene	2	1-4	AirSurvey does not differentiate between Limonene (CAS 138-86-3) and d-Limonene (CAS 5989-27-5) ppb 0.3 MW 136 CAS 138-86-3
Octanal		ND	Caprylic aldehyde MW 128 CAS 124-13-0

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Semiquantitative List:	3 ng/L

Compound	Calculated Result	Actual Result	Comments
Nonanal		D; 0.1	ppb 0.02      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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The results contained in this report are dependent upon a number of factors over which Fike Analytical Technologies, L.L.C. (Fike), has no control, which may include, but are not limited to, the sampling technique utilized, the size or source of sample, the ability of the sampler to collect a proper or suitable sample, or the quantitative values reported by supporting laboratories. Validation regarding these parameters is the responsibility of either the supporting laboratories or the submitter. Neither Fike, nor its agents, officers, directors, employees, or successors shall be liable for any claims, actions, causes of action, costs, loss of service, medical or other expenses or any compensation whatsoever which may now or hereafter occur or accrue based upon the actions of the submitter, the data supplied by supporting laboratories, or any opinions contained within this report.