

Dec 28 01 10:22a

PSC Analytical Services

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INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

• EPANVLAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

• NY DOH/NELAC 10903
• PA DEP 06-353

• NJ DEP 77020
• CT DPH PH-0236

**Analytical Results
for**

ATC Associates

WorkOrder: R01120172

Client Reference: 19125-0279: PAHs in Air (12/6/01)

Analyte	Concentration			Limit of Detection (ug)	Test Method	Date Analyzed /Analyst
	(ug)	(mg/m ³)	(ppm)			

Client ID: PAH1-ATC-1206-234M Lab ID: -01A Date Sampled: 12/6/01 Matrix: XAD-2 Air Vol.(L): 1232

1-Methylnaphthalene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
2-Methylnaphthalene	0.3	0.00024	--	0.25	N5506	12/19/2001	MDJ
Acenaphthene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Acenaphthylene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Anthracene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Benzo(a)anthracene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Benzo(a)pyrene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Benzo(b)fluoranthene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Benzo(g,h,i)perylene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Benzo(k)fluoranthene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Chrysene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Dibenzo(a,h)anthracene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Fluoranthene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Fluorene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Indeno(1,2,3-cd)pyrene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Naphthalene	0.74	0.00060	--	0.25	N5506	12/19/2001	MDJ
Phenanthrene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Pyrene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ

Client ID: PAH2-ATC-1206-234M Lab ID: -02A Date Sampled: 12/6/01 Matrix: XAD-2 Air Vol.(L): 1246

1-Methylnaphthalene	0.26	0.00021	--	0.25	N5506	12/19/2001	MDJ
2-Methylnaphthalene	0.51	0.00041	--	0.25	N5506	12/19/2001	MDJ
Acenaphthene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Acenaphthylene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Anthracene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Benzo(a)anthracene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Benzo(a)pyrene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Benzo(b)fluoranthene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Benzo(g,h,i)perylene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Benzo(k)fluoranthene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Chrysene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Dibenzo(a,h)anthracene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Fluoranthene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Fluorene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Indeno(1,2,3-cd)pyrene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Naphthalene	0.54	0.00043	--	0.25	N5506	12/19/2001	MDJ
Phenanthrene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ
Pyrene	<0.25	<0.00020	--	0.25	N5506	12/19/2001	MDJ



INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

• EPA NWLAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

• NY DOH/ELAC 10903
• PA DEP 06-353

• NJ DEP 77020
• CT DPH PH-0238

**Analytical Results
for**

ATC Associates

WorkOrder: R01120172

Client Reference: 19125-0279: PAHs in Air (12/6/01)

Analyte	Concentration			Limit of Detection (ug)	Test Method	Date Analyzed /Analyst
	(ug)	(mg/m ³)	(ppm)			

Client ID: PAH3-ATC-1206-234M Lab ID: -03A Date Sampled: 12/6/01 Matrix: XAD-2 Air Vol.(L): 1218

1-Methylnaphthalene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
2-Methylnaphthalene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Acenaphthene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Acenaphthylene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Anthracene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Benzo(a)anthracene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Benzo(a)pyrene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Benzo(b)fluoranthene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Benzo(g,h,i)perylene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Benzo(k)fluoranthene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Chrysene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Dibenzo(a,h)anthracene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Fluoranthene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Fluorene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Indeno(1,2,3-cd)pyrene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Naphthalene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Phenanthrene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Pyrene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ

Client ID: PAH4-ATC-1206-234M Lab ID: -04A Date Sampled: 12/6/01 Matrix: XAD-2 Air Vol.(L): 1200

1-Methylnaphthalene	0.59	0.00049	--	0.25	N5506	12/19/2001 MDJ
2-Methylnaphthalene	1.1	0.00092	--	0.25	N5506	12/19/2001 MDJ
Acenaphthene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Acenaphthylene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Anthracene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Benzo(a)anthracene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Benzo(a)pyrene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Benzo(b)fluoranthene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Benzo(g,h,i)perylene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Benzo(k)fluoranthene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Chrysene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Dibenzo(a,h)anthracene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Fluoranthene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Fluorene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Indeno(1,2,3-cd)pyrene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Naphthalene	0.83	0.00069	--	0.25	N5506	12/19/2001 MDJ
Phenanthrene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ
Pyrene	<0.25	<0.00021	--	0.25	N5506	12/19/2001 MDJ



INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

• EPA MVLAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

• NY DOH/NELAC 10903
• PA DEP 06-353

• NJ DEP 77020
• CT DPH PH-0238

**Analytical Results
for**

ATC Associates

WorkOrder: R01120172

Client Reference: 19125-0279: PAHs in Air (12/6/01)

Analyte	Concentration			Limit of Detection (ug)	Test Method	Date Analyzed /Analyst	
	(ug)	(mg/m ³)	(ppm)				

Client ID: PAH5-ATC-1206-234M **Lab ID:** -05A **Date Sampled:** 12/6/01 **Matrix:** XAD-2 **Air Vol.(L):** 1262

1-Methylnaphthalene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
2-Methylnaphthalene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Acenaphthene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Acenaphthylene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Anthracene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Benzo(a)anthracene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Benzo(a)pyrene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Benzo(b)fluoranthene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Benzo(g,h,i)perylene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Benzo(k)fluoranthene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Chrysene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Dibenzo(a,h)anthracene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Fluoranthene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Fluorene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Indeno(1,2,3-cd)pyrene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Naphthalene	0.26	0.00021	--	0.25	N5506	12/20/2001	MDJ
Phenanthrene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Pyrene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ

Client ID: PAH6-ATC-1206-234M **Lab ID:** -06A **Date Sampled:** 12/6/01 **Matrix:** XAD-2 **Air Vol.(L):** 1198

1-Methylnaphthalene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
2-Methylnaphthalene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Acenaphthene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Acenaphthylene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Anthracene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Benzo(a)anthracene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Benzo(a)pyrene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Benzo(b)fluoranthene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Benzo(g,h,i)perylene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Benzo(k)fluoranthene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Chrysene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Dibenzo(a,h)anthracene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Fluoranthene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Fluorene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Indeno(1,2,3-cd)pyrene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Naphthalene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Phenanthrene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Pyrene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ

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INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

• EPA NVLAP 101262-0
• AIHA ACCREDITATION NO. 100439
• NC DENR 598

• NY DOH/NELAC 10903
• PA DEP 06-353

• NJ DEP 77020
• CT DPH PH-0238

Analytical Results
for

ATC Associates

WorkOrder: R01120172

Client Reference: 19125-0279: PAHs in Air (12/6/01)

Analyte	Concentration			Limit of Detection (ug)	Test Method	Date Analyzed /Analyst
	(ug)	(mg/m ³)	(ppm)			

Client ID: PAH7-ATC-1206-234M Lab ID: -07A Date Sampled: 12/6/01 Matrix: XAD-2 Air Vol.(L): 1234

1-Methylnaphthalene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
2-Methylnaphthalene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Acenaphthene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Acenaphthylene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Anthracene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Benzo(a)anthracene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Benzo(a)pyrene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Benzo(b)fluoranthene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Benzo(g,h,i)perylene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Benzo(k)fluoranthene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Chrysene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Dibenzo(a,h)anthracene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Fluoranthene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Fluorene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Indeno(1,2,3-cd)pyrene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Naphthalene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Phenanthrene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
Pyrene	<0.25	<0.00020	--	0.25	N5506	12/20/2001	MDJ
lab (Surr: 2-Fluorobiphenyl	0.49	0.00040	--	0.25	N5506	12/20/2001	MDJ
Surr: Terphenyl-d14	0.51	0.00041	--	0.25	N5506	12/20/2001	MDJ

Client ID: PAH8-ATC-1206-234M Lab ID: -08A Date Sampled: 12/6/01 Matrix: XAD-2 Air Vol.(L): 1198

1-Methylnaphthalene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
2-Methylnaphthalene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Acenaphthene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Acenaphthylene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Anthracene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Benzo(a)anthracene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Benzo(a)pyrene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Benzo(b)fluoranthene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Benzo(g,h,i)perylene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Benzo(k)fluoranthene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Chrysene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Dibenzo(a,h)anthracene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Fluoranthene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Fluorene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Indeno(1,2,3-cd)pyrene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Naphthalene	0.25	0.00021	--	0.25	N5506	12/20/2001	MDJ
Phenanthrene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ
Pyrene	<0.25	<0.00021	--	0.25	N5506	12/20/2001	MDJ

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SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

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PSC Analytical Services

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INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

• EPA/NVLAP 101262-D
• AIHA ACCREDITATION NO. 100439
• NC DENR 599

• NY DOH/NELAC 10903
• PA DEP 06-353

• NJ DEP 77020
• CT DPH PH-0238

Analytical Results
for

ATC Associates

WorkOrder: R01120172

Client Reference: 19125-0279: PAHs in Air (12/6/01)

Analyte	Concentration			Limit of Detection (ug)	Test Method	Date Analyzed /Analyst	
	(ug)	(mg/m³)	(ppm)				
Client ID: PAH9-ATC-1206-234M, Blank Lab ID: -09A Date Sampled: 12/6/01 Matrix: XAD-2 Air Vol.(L): NA							
1-Methylnaphthalene	<0.25	--	--	0.25	N5506	12/20/2001	MDJ
2-Methylnaphthalene	<0.25	--	--	0.25	N5506	12/20/2001	MDJ
Acenaphthene	<0.25	--	--	0.25	N5506	12/20/2001	MDJ
Acenaphthylene	<0.25	--	--	0.25	N5506	12/20/2001	MDJ
Anthracene	<0.25	--	--	0.25	N5506	12/20/2001	MDJ
Benzo(a)anthracene	<0.25	--	--	0.25	N5506	12/20/2001	MDJ
Benzo(a)pyrene	<0.25	--	--	0.25	N5506	12/20/2001	MDJ
Benzo(b)fluoranthene	<0.25	--	--	0.25	N5506	12/20/2001	MDJ
Benzo(g,h,i)perylene	<0.25	--	--	0.25	N5506	12/20/2001	MDJ
Benzo(k)fluoranthene	<0.25	--	--	0.25	N5506	12/20/2001	MDJ
Chrysene	<0.25	--	--	0.25	N5506	12/20/2001	MDJ
Dibenzo(a,h)anthracene	<0.25	--	--	0.25	N5506	12/20/2001	MDJ
Fluoranthene	<0.25	--	--	0.25	N5506	12/20/2001	MDJ
Fluorene	<0.25	--	--	0.25	N5506	12/20/2001	MDJ
Indeno(1,2,3-cd)pyrene	<0.25	--	--	0.25	N5506	12/20/2001	MDJ
Naphthalene	<0.25	--	--	0.25	N5506	12/20/2001	MDJ
Phenanthrene	<0.25	--	--	0.25	N5506	12/20/2001	MDJ
Pyrene	<0.25	--	--	0.25	N5506	12/20/2001	MDJ

(a) Analysis indicates possible breakthrough; back section result is greater than 0% of the front section result.

General Notes:

<: Less than the indicated limit of detection (LOD).

--: Information not available or not applicable.

Back sections were checked and showed no significant breakthrough.