



ANALYTICAL SERVICES

INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

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

• NY DOH/NELAC 10903
• PA DEP 06-353

• NJ DEP PA020
• CT DPH PH-0238

**Analytical Results
for**

ATC Associates

WorkOrder: R02030489

Client Reference: 19125-0291

Analyte	Concentration			Limit of Detection (ug)	Test Method	Date Analyzed /Analyst	
	(ug)	(mg/m³)	(ppm)				
Client ID: VOC1 ATC-0309-M833	Lab ID: -01A	Date Sampled: 3/9/02		Matrix: Charcoal		Air Vol.(L): 120	
1,1,1-Trichloroethane	<20	<0.17	<0.031	20	Total Hydrocarbon Sc	03/14/2002	JMM
1,2-Dichloroethane	<20	<0.17	<0.041	20	Total Hydrocarbon Sc	03/14/2002	JMM
A Hydrocarbons, Total	<20	<0.17	<0.047	20	Total Hydrocarbon Sc	03/14/2002	JMM
Acetone	<20	<0.17	<0.070	20	Total Hydrocarbon Sc	03/14/2002	JMM
B Hydrocarbons, Total	<20	<0.17	<0.044	20	Total Hydrocarbon Sc	03/14/2002	JMM
Benzene	<20	<0.17	<0.052	20	Total Hydrocarbon Sc	03/14/2002	JMM
Chlorobenzene	<20	<0.17	<0.036	20	Total Hydrocarbon Sc	03/14/2002	JMM
Chloroform	21 ✓	0.18	0.036	20	Total Hydrocarbon Sc	03/14/2002	JMM
Ethylbenzene	<20	<0.17	<0.038	20	Total Hydrocarbon Sc	03/14/2002	JMM
Hexane	<20	<0.17	<0.047	20	Total Hydrocarbon Sc	03/14/2002	JMM
Isopropylbenzene	<20	<0.17	<0.034	20	Total Hydrocarbon Sc	03/14/2002	JMM
Methylene Chloride	<20	<0.17	<0.048	20	Total Hydrocarbon Sc	03/14/2002	JMM
Pentane	<20	<0.17	<0.056	20	Total Hydrocarbon Sc	03/14/2002	JMM
Styrene	<20	<0.17	<0.039	20	Total Hydrocarbon Sc	03/14/2002	JMM
Tetrachloroethene	<20	<0.17	<0.025	20	Total Hydrocarbon Sc	03/14/2002	JMM
Toluene	<20	<0.17	<0.044	20	Total Hydrocarbon Sc	03/14/2002	JMM
Trichloroethene	<20	<0.17	<0.031	20	Total Hydrocarbon Sc	03/14/2002	JMM
Xylenes, Total	<20	<0.17	<0.038	20	Total Hydrocarbon Sc	03/14/2002	JMM



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Client Reference: 19125-0291

Analyte	Concentration			Limit of Detection (ug)	Test Method	Date Analyzed /Analyst		
	(ug)	(mg/m³)	(ppm)					
Client ID: VOC2 ATC-0309-M833		Lab ID: -02A	Date Sampled: 3/9/02		Matrix: Charcoal		Air Vol.(L): 120	
1,1,1-Trichloroethane	<20	<0.17	<0.031	20	Total Hydrocarbon Sc	03/14/2002	JMM	
1,2-Dichloroethane	<20	<0.17	<0.041	20	Total Hydrocarbon Sc	03/14/2002	JMM	
A Hydrocarbons, Total	<20	<0.17	<0.047	20	Total Hydrocarbon Sc	03/14/2002	JMM	
Acetone	<20	<0.17	<0.070	20	Total Hydrocarbon Sc	03/14/2002	JMM	
B Hydrocarbons, Total	<20	<0.17	<0.044	20	Total Hydrocarbon Sc	03/14/2002	JMM	
Benzene	<20	<0.17	<0.052	20	Total Hydrocarbon Sc	03/14/2002	JMM	
Chlorobenzene	<20	<0.17	<0.036	20	Total Hydrocarbon Sc	03/14/2002	JMM	
Chloroform	32 ✓	0.27	0.055	20	Total Hydrocarbon Sc	03/14/2002	JMM	
Ethylbenzene	<20	<0.17	<0.038	20	Total Hydrocarbon Sc	03/14/2002	JMM	
Hexane	<20	<0.17	<0.047	20	Total Hydrocarbon Sc	03/14/2002	JMM	
Isopropylbenzene	<20	<0.17	<0.034	20	Total Hydrocarbon Sc	03/14/2002	JMM	
Methylene Chloride	<20	<0.17	<0.048	20	Total Hydrocarbon Sc	03/14/2002	JMM	
Pentane	<20	<0.17	<0.056	20	Total Hydrocarbon Sc	03/14/2002	JMM	
Styrene	<20	<0.17	<0.039	20	Total Hydrocarbon Sc	03/14/2002	JMM	
Tetrachloroethene	<20	<0.17	<0.025	20	Total Hydrocarbon Sc	03/14/2002	JMM	
Toluene	<20	<0.17	<0.044	20	Total Hydrocarbon Sc	03/14/2002	JMM	
Trichloroethene	<20	<0.17	<0.031	20	Total Hydrocarbon Sc	03/14/2002	JMM	
Xylenes, Total	<20	<0.17	<0.038	20	Total Hydrocarbon Sc	03/14/2002	JMM	



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WorkOrder: R02030489

Client Reference: 19125-0291

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

Client ID: VOC3 ATC-0309-M833	Lab ID: -03A	Date Sampled: 3/9/02	Matrix: Charcoal	Air Vol.(L): 120			
1,1,1-Trichloroethane	<20	<0.17	<0.031	20	Total Hydrocarbon Sc	03/14/2002	JMM
1,2-Dichloroethane	<20	<0.17	<0.041	20	Total Hydrocarbon Sc	03/14/2002	JMM
A Hydrocarbons, Total	<20	<0.17	<0.047	20	Total Hydrocarbon Sc	03/14/2002	JMM
Acetone	<20	<0.17	<0.070	20	Total Hydrocarbon Sc	03/14/2002	JMM
B Hydrocarbons, Total	<20	<0.17	<0.044	20	Total Hydrocarbon Sc	03/14/2002	JMM
Benzene	<20	<0.17	<0.052	20	Total Hydrocarbon Sc	03/14/2002	JMM
Chlorobenzene	<20	<0.17	<0.036	20	Total Hydrocarbon Sc	03/14/2002	JMM
Chloroform	86 ✓	0.72	0.15	20	Total Hydrocarbon Sc	03/14/2002	JMM
Ethylbenzene	<20	<0.17	<0.038	20	Total Hydrocarbon Sc	03/14/2002	JMM
Hexane	<20	<0.17	<0.047	20	Total Hydrocarbon Sc	03/14/2002	JMM
Isopropylbenzene	<20	<0.17	<0.034	20	Total Hydrocarbon Sc	03/14/2002	JMM
Methylene Chloride	<20	<0.17	<0.048	20	Total Hydrocarbon Sc	03/14/2002	JMM
Pentane	<20	<0.17	<0.056	20	Total Hydrocarbon Sc	03/14/2002	JMM
Styrene	<20	<0.17	<0.039	20	Total Hydrocarbon Sc	03/14/2002	JMM
Tetrachloroethene	<20	<0.17	<0.025	20	Total Hydrocarbon Sc	03/14/2002	JMM
Toluene	<20	<0.17	<0.044	20	Total Hydrocarbon Sc	03/14/2002	JMM
Trichloroethene	<20	<0.17	<0.031	20	Total Hydrocarbon Sc	03/14/2002	JMM
Xylenes, Total	<20	<0.17	<0.038	20	Total Hydrocarbon Sc	03/14/2002	JMM



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• NJ DEP PA020
• CT DPH PH-0238

**Analytical Results
for**

ATC Associates

WorkOrder: R02030489

Client Reference: 19125-0291

Analyte	Concentration			Limit of Detection (ug)	Test Method	Date Analyzed /Analyst	
	(ug)	(mg/m³)	(ppm)				
Client ID: VOC4 ATC-0309-M833 Lab ID: -04A Date Sampled: 3/9/02 Matrix: Charcoal Air Vol.(L): 120							
1,1,1-Trichloroethane	<20	<0.17	<0.031	20	Total Hydrocarbon Sc	03/14/2002	JMM
1,2-Dichloroethane	<20	<0.17	<0.041	20	Total Hydrocarbon Sc	03/14/2002	JMM
A Hydrocarbons, Total	<20	<0.17	<0.047	20	Total Hydrocarbon Sc	03/14/2002	JMM
Acetone	<20	<0.17	<0.070	20	Total Hydrocarbon Sc	03/14/2002	JMM
B Hydrocarbons, Total	<20	<0.17	<0.044	20	Total Hydrocarbon Sc	03/14/2002	JMM
Benzene	<20	<0.17	<0.052	20	Total Hydrocarbon Sc	03/14/2002	JMM
Chlorobenzene	<20	<0.17	<0.036	20	Total Hydrocarbon Sc	03/14/2002	JMM
Chloroform	<20	<0.17	<0.034	20	Total Hydrocarbon Sc	03/14/2002	JMM
Ethylbenzene	<20	<0.17	<0.038	20	Total Hydrocarbon Sc	03/14/2002	JMM
Hexane	<20	<0.17	<0.047	20	Total Hydrocarbon Sc	03/14/2002	JMM
Isopropylbenzene	<20	<0.17	<0.034	20	Total Hydrocarbon Sc	03/14/2002	JMM
Methylene Chloride	<20	<0.17	<0.048	20	Total Hydrocarbon Sc	03/14/2002	JMM
Pentane	<20	<0.17	<0.056	20	Total Hydrocarbon Sc	03/14/2002	JMM
Styrene	<20	<0.17	<0.039	20	Total Hydrocarbon Sc	03/14/2002	JMM
Tetrachloroethene	<20	<0.17	<0.025	20	Total Hydrocarbon Sc	03/14/2002	JMM
Toluene	<20	<0.17	<0.044	20	Total Hydrocarbon Sc	03/14/2002	JMM
Trichloroethene	<20	<0.17	<0.031	20	Total Hydrocarbon Sc	03/14/2002	JMM
Xylenes, Total	<20	<0.17	<0.038	20	Total Hydrocarbon Sc	03/14/2002	JMM



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WorkOrder: R02030489

Client Reference: 19125-0291

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

Client ID: VOC5 ATC-0309-M833

Lab ID: -05A

Date Sampled: 3/9/02

Matrix: Charcoal

Air Vol.(L): NA

1,1,1-Trichloroethane	<20	--	--	20	Total Hydrocarbon Sc	03/14/2002	JMM
1,2-Dichloroethane	<20	--	--	20	Total Hydrocarbon Sc	03/14/2002	JMM
A Hydrocarbons, Total	<20	--	--	20	Total Hydrocarbon Sc	03/14/2002	JMM
Acetone	<20	--	--	20	Total Hydrocarbon Sc	03/14/2002	JMM
B Hydrocarbons, Total	<20	--	--	20	Total Hydrocarbon Sc	03/14/2002	JMM
Benzene	<20	--	--	20	Total Hydrocarbon Sc	03/14/2002	JMM
Chlorobenzene	<20	--	--	20	Total Hydrocarbon Sc	03/14/2002	JMM
Chloroform	<20	--	--	20	Total Hydrocarbon Sc	03/14/2002	JMM
Ethylbenzene	<20	--	--	20	Total Hydrocarbon Sc	03/14/2002	JMM
Hexane	<20	--	--	20	Total Hydrocarbon Sc	03/14/2002	JMM
Isopropylbenzene	<20	--	--	20	Total Hydrocarbon Sc	03/14/2002	JMM
Methylene Chloride	<20	--	--	20	Total Hydrocarbon Sc	03/14/2002	JMM
Pentane	<20	--	--	20	Total Hydrocarbon Sc	03/14/2002	JMM
Styrene	<20	--	--	20	Total Hydrocarbon Sc	03/14/2002	JMM
Tetrachloroethene	<20	--	--	20	Total Hydrocarbon Sc	03/14/2002	JMM
Toluene	<20	--	--	20	Total Hydrocarbon Sc	03/14/2002	JMM
Trichloroethene	<20	--	--	20	Total Hydrocarbon Sc	03/14/2002	JMM
Xylenes, Total	<20	--	--	20	Total Hydrocarbon Sc	03/14/2002	JMM

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