



ANALYTICAL SERVICES

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14DEC01_1730_13_N1261_RFR

INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

- EPA/NVLAP 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 REPORT

Client: ATC Associates

Report to: James Cohn
ATC Associates
104 East 25th Street
10th Floor
New York NY 10010-2917

Project: 208877
Received: 11-DEC-01
Reported: 14-DEC-01

P.S. 234M

Project Description: 0279 19125-02467 HCs A&B Analysis

Sampled: 09-DEC-01 By: T/W

	<u>RESULT</u>	<u>UNITS</u>	<u>CONCENTRATION</u>	<u>UNITS</u>	<u>METHOD</u>
<u>ATC-1209-234M-C1</u>					
Air Volume: 120 L					
Lab Sample: 1474047					
Pentane	< 0.020	mg/sample	< 0.056	ppm	1500
Acetone	< 0.020	mg/sample	< 0.070	ppm	1300
Methylene chloride	< 0.020	mg/sample	< 0.048	ppm	1005
Hexane	< 0.020	mg/sample	< 0.047	ppm	1500
Chloroform	< 0.020	mg/sample	< 0.034	ppm	1003
Methyl chloroform	< 0.020	mg/sample	< 0.031	ppm	1003
total other A Hydrocarbons	< 0.020	mg/sample	< 0.047	ppm	1500
Benzene	< 0.020	mg/sample	< 0.052	ppm	1501
1,2-Dichloroethane	< 0.020	mg/sample	< 0.041	ppm	1003
Trichloroethylene	< 0.020	mg/sample	< 0.031	ppm	1022
Toluene	< 0.020	mg/sample	< 0.044	ppm	1501
PCE (Tetrachloroethene)	< 0.020	mg/sample	< 0.025	ppm	1003
Chlorobenzene	< 0.020	mg/sample	< 0.036	ppm	1003
Ethylbenzene	< 0.020	mg/sample	< 0.038	ppm	1501
Styrene	< 0.020	mg/sample	< 0.039	ppm	1501
Cumene (Isopropylbenzene)	< 0.020	mg/sample	< 0.034	ppm	1501
Xylenes, Total	< 0.020	mg/sample	< 0.038	ppm	1501
total other B Hydrocarbons	< 0.020	mg/sample	< 0.044	ppm	1501

ATC-1209-234M-C2

Air Volume: 120 L

Lab Sample: 1474048

Pentane	< 0.020	mg/sample	< 0.056	ppm	1500
Acetone	< 0.020	mg/sample	< 0.070	ppm	1300
Methylene chloride	< 0.020	mg/sample	< 0.048	ppm	1005
Hexane	< 0.020	mg/sample	< 0.047	ppm	1500



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	RESULT	UNITS	CONCENTRATION	UNITS	METHOD
ATC-1209-234M-C2					
Lab Sample: 1474048 - continued					
Chloroform	< 0.020	mg/sample	< 0.034	ppm	1003
Methyl chloroform	< 0.020	mg/sample	< 0.031	ppm	1003
total other A Hydrocarbons	< 0.020	mg/sample	< 0.047	ppm	1500
Benzene	< 0.020	mg/sample	< 0.052	ppm	1501
1,2-Dichloroethane	< 0.020	mg/sample	< 0.041	ppm	1003
Trichloroethylene	< 0.020	mg/sample	< 0.031	ppm	1022
Toluene	< 0.020	mg/sample	< 0.044	ppm	1501
PCE (Tetrachloroethene)	< 0.020	mg/sample	< 0.025	ppm	1003
Chlorobenzene	< 0.020	mg/sample	< 0.036	ppm	1003
Ethylbenzene	< 0.020	mg/sample	< 0.038	ppm	1501
Styrene	< 0.020	mg/sample	< 0.039	ppm	1501
Cumene (Isopropylbenzene)	< 0.020	mg/sample	< 0.034	ppm	1501
Xylenes, Total	< 0.020	mg/sample	< 0.038	ppm	1501
total other B Hydrocarbons	< 0.020	mg/sample	< 0.044	ppm	1501

ATC-1209-234M-C3

Air Volume: 120.2 L

Lab Sample: 1474049

Pentane	< 0.020	mg/sample	< 0.056	ppm	1500
Acetone	< 0.020	mg/sample	< 0.070	ppm	1300
Methylene chloride	< 0.020	mg/sample	< 0.048	ppm	1005
Hexane	< 0.020	mg/sample	< 0.047	ppm	1500
Chloroform	< 0.020	mg/sample	< 0.034	ppm	1003
Methyl chloroform	< 0.020	mg/sample	< 0.030	ppm	1003
total other A Hydrocarbons	< 0.020	mg/sample	< 0.047	ppm	1500
Benzene	< 0.020	mg/sample	< 0.052	ppm	1501
1,2-Dichloroethane	< 0.020	mg/sample	< 0.041	ppm	1003
Trichloroethylene	< 0.020	mg/sample	< 0.031	ppm	1022
Toluene	< 0.020	mg/sample	< 0.044	ppm	1501
PCE (Tetrachloroethene)	< 0.020	mg/sample	< 0.025	ppm	1003
Chlorobenzene	< 0.020	mg/sample	< 0.036	ppm	1003
Ethylbenzene	< 0.020	mg/sample	< 0.038	ppm	1501
Styrene	< 0.020	mg/sample	< 0.039	ppm	1501
Cumene (Isopropylbenzene)	< 0.020	mg/sample	< 0.034	ppm	1501
Xylenes, Total	< 0.020	mg/sample	< 0.038	ppm	1501
total other B Hydrocarbons	< 0.020	mg/sample	< 0.044	ppm	1501

ATC-1209-234M-C4

Air Volume: 120 L

Lab Sample: 1474050

Pentane	< 0.020	mg/sample	< 0.056	ppm	1500
Acetone	< 0.020	mg/sample	< 0.070	ppm	1300



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ATC-1209-234M-C4

Lab Sample: 1474050 - continued

	<u>RESULT</u>	<u>UNITS</u>	<u>CONCENTRATION</u>	<u>UNITS</u>	<u>METHOD</u>
Methylene chloride	< 0.020	mg/sample	< 0.048	ppm	1005
Hexane	< 0.020	mg/sample	< 0.047	ppm	1500
Chloroform	< 0.020	mg/sample	< 0.034	ppm	1003
Methyl chloroform	< 0.020	mg/sample	< 0.031	ppm	1003
total other A Hydrocarbons	< 0.020	mg/sample	< 0.047	ppm	1500
Benzene	< 0.020	mg/sample	< 0.052	ppm	1501
1,2-Dichloroethane	< 0.020	mg/sample	< 0.041	ppm	1003
Trichloroethylene	< 0.020	mg/sample	< 0.031	ppm	1022
Toluene	< 0.020	mg/sample	< 0.044	ppm	1501
PCE (Tetrachloroethene)	< 0.020	mg/sample	< 0.025	ppm	1003
Chlorobenzene	< 0.020	mg/sample	< 0.036	ppm	1003
Ethylbenzene	< 0.020	mg/sample	< 0.038	ppm	1501
Styrene	< 0.020	mg/sample	< 0.039	ppm	1501
Cumene (Isopropylbenzene)	< 0.020	mg/sample	< 0.034	ppm	1501
Xylenes, Total	< 0.020	mg/sample	< 0.038	ppm	1501
total other B Hydrocarbons	< 0.020	mg/sample	< 0.044	ppm	1501

ATC-1209-234M-C5

Air Volume: 120.4 L

Lab Sample: 1474051

Pentane	< 0.020	mg/sample	< 0.056	ppm	1500
Acetone	< 0.020	mg/sample	< 0.070	ppm	1300
Methylene chloride	< 0.020	mg/sample	< 0.048	ppm	1005
Hexane	< 0.020	mg/sample	< 0.047	ppm	1500
Chloroform	< 0.020	mg/sample	< 0.034	ppm	1003
Methyl chloroform	< 0.020	mg/sample	< 0.030	ppm	1003
total other A Hydrocarbons	< 0.020	mg/sample	< 0.047	ppm	1500
Benzene	< 0.020	mg/sample	< 0.052	ppm	1501
1,2-Dichloroethane	< 0.020	mg/sample	< 0.041	ppm	1003
Trichloroethylene	< 0.020	mg/sample	< 0.031	ppm	1022
Toluene	< 0.020	mg/sample	< 0.044	ppm	1501
PCE (Tetrachloroethene)	< 0.020	mg/sample	< 0.024	ppm	1003
Chlorobenzene	< 0.020	mg/sample	< 0.036	ppm	1003
Ethylbenzene	< 0.020	mg/sample	< 0.038	ppm	1501
Styrene	< 0.020	mg/sample	< 0.039	ppm	1501
Cumene (Isopropylbenzene)	< 0.020	mg/sample	< 0.034	ppm	1501
Xylenes, Total	< 0.020	mg/sample	< 0.038	ppm	1501
total other B Hydrocarbons	< 0.020	mg/sample	< 0.044	ppm	1501



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	<u>RESULT</u>	<u>UNITS</u>	<u>CONCENTRATION</u>	<u>UNITS</u>	<u>METHOD</u>
<u>ATC-1209-234M-C6</u>					
Air Volume: 120.2 L					
Lab Sample: 1474052					
Pentane	< 0.020	mg/sample	< 0.056	ppm	1500
Acetone	< 0.020	mg/sample	< 0.070	ppm	1300
Methylene chloride	< 0.020	mg/sample	< 0.048	ppm	1005
Hexane	< 0.020	mg/sample	< 0.047	ppm	1500
Chloroform	< 0.020	mg/sample	< 0.034	ppm	1003
Methyl chloroform	< 0.020	mg/sample	< 0.030	ppm	1003
total other A Hydrocarbons	< 0.020	mg/sample	< 0.047	ppm	1500
Benzene	< 0.020	mg/sample	< 0.052	ppm	1501
1,2-Dichloroethane	< 0.020	mg/sample	< 0.041	ppm	1003
Trichloroethylene	< 0.020	mg/sample	< 0.031	ppm	1022
Toluene	< 0.020	mg/sample	< 0.044	ppm	1501
PCE (Tetrachloroethene)	< 0.020	mg/sample	< 0.025	ppm	1003
Chlorobenzene	< 0.020	mg/sample	< 0.036	ppm	1003
Ethylbenzene	< 0.020	mg/sample	< 0.038	ppm	1501
Styrene	< 0.020	mg/sample	< 0.039	ppm	1501
Cumene (Isopropylbenzene)	< 0.020	mg/sample	< 0.034	ppm	1501
Xylenes, Total	< 0.020	mg/sample	< 0.038	ppm	1501
total other B Hydrocarbons	< 0.020	mg/sample	< 0.044	ppm	1501

ATC-1209-234M-C7

Air Volume: 120 L

Lab Sample: 1474053

Pentane	< 0.020	mg/sample	< 0.056	ppm	1500
Acetone	< 0.020	mg/sample	< 0.070	ppm	1300
Methylene chloride	< 0.020	mg/sample	< 0.048	ppm	1005
Hexane	< 0.020	mg/sample	< 0.047	ppm	1500
Chloroform	< 0.020	mg/sample	< 0.034	ppm	1003
Methyl chloroform	< 0.020	mg/sample	< 0.031	ppm	1003
total other A Hydrocarbons	< 0.020	mg/sample	< 0.047	ppm	1500
Benzene	< 0.020	mg/sample	< 0.052	ppm	1501
1,2-Dichloroethane	< 0.020	mg/sample	< 0.041	ppm	1003
Trichloroethylene	< 0.020	mg/sample	< 0.031	ppm	1022
Toluene	< 0.020	mg/sample	< 0.044	ppm	1501
PCE (Tetrachloroethene)	< 0.020	mg/sample	< 0.025	ppm	1003
Chlorobenzene	< 0.020	mg/sample	< 0.036	ppm	1003
Ethylbenzene	< 0.020	mg/sample	< 0.038	ppm	1501
Styrene	< 0.020	mg/sample	< 0.039	ppm	1501
Cumene (Isopropylbenzene)	< 0.020	mg/sample	< 0.034	ppm	1501
Xylenes, Total	< 0.020	mg/sample	< 0.038	ppm	1501
total other B Hydrocarbons	< 0.020	mg/sample	< 0.044	ppm	1501


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ATC-1209-234M-C8

Air Volume: 120 L
Lab Sample: 1474054

	<u>RESULT</u>	<u>UNITS</u>	<u>CONCENTRATION</u>	<u>UNITS</u>	<u>METHOD</u>
Pentane	< 0.020	mg/sample	< 0.056	ppm	1500
Acetone	< 0.020	mg/sample	< 0.070	ppm	1300
Methylene chloride	< 0.020	mg/sample	< 0.048	ppm	1005
Hexane	< 0.020	mg/sample	< 0.047	ppm	1500
Chloroform	< 0.020	mg/sample	< 0.034	ppm	1003
Methyl chloroform	< 0.020	mg/sample	< 0.031	ppm	1003
total other A Hydrocarbons	< 0.020	mg/sample	< 0.047	ppm	1500
Benzene	< 0.020	mg/sample	< 0.052	ppm	1501
1,2-Dichloroethane	< 0.020	mg/sample	< 0.041	ppm	1003
Trichloroethylene	< 0.020	mg/sample	< 0.031	ppm	1022
Toluene	< 0.020	mg/sample	< 0.044	ppm	1501
PCE (Tetrachloroethene)	< 0.020	mg/sample	< 0.025	ppm	1003
Chlorobenzene	< 0.020	mg/sample	< 0.036	ppm	1003
Ethylbenzene	< 0.020	mg/sample	< 0.038	ppm	1501
Styrene	< 0.020	mg/sample	< 0.039	ppm	1501
Cumene (Isopropylbenzene)	< 0.020	mg/sample	< 0.034	ppm	1501
Xylenes, Total	< 0.020	mg/sample	< 0.038	ppm	1501
total other B Hydrocarbons	< 0.020	mg/sample	< 0.044	ppm	1501

ATC-1209-234M-C9

Air Volume: 0 L
Lab Sample: 1474055

Pentane	< 0.020	mg/sample	1500
Acetone	< 0.020	mg/sample	1300
Methylene chloride	< 0.020	mg/sample	1005
Hexane	< 0.020	mg/sample	1500
Chloroform	< 0.020	mg/sample	1003
Methyl chloroform	< 0.020	mg/sample	1003
total other A Hydrocarbons	< 0.020	mg/sample	1500
Benzene	< 0.020	mg/sample	1501
1,2-Dichloroethane	< 0.020	mg/sample	1003
Trichloroethylene	< 0.020	mg/sample	1022
Toluene	< 0.020	mg/sample	1501
PCE (Tetrachloroethene)	< 0.020	mg/sample	1003
Chlorobenzene	< 0.020	mg/sample	1003
Ethylbenzene	< 0.020	mg/sample	1501
Styrene	< 0.020	mg/sample	1501
Cumene (Isopropylbenzene)	< 0.020	mg/sample	1501
Xylenes, Total	< 0.020	mg/sample	1501



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	<u>RESULT</u>	<u>UNITS</u>	<u>CONCENTRATION</u>	<u>UNITS</u>	<u>METHOD</u>
ATC-1209-234M-C9					
Lab Sample: 1474055 - continued					
total other B Hydrocarbons	< 0.020	mg/sample			1501

Final sample concentrations calculated from air volumes supplied on chain of custody.
< Indicates less than the limit of quantitation.