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INDUSTRIAL HYGIENE**ENVIRONMENTAL TESTING**

- EPA/NVLAP 101262-0 • NY DOH/NELAC 10903 • NJ DEP 77020
- AIHA ACCREDITATION NO. 100439 • PA DEP 06-353 • CT DPH PH-0238
- NC DENR 599

ANALYTICAL REPORT

Client: ATC Associates

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

Project: 209039
Received: 18-DEC-01
Reported: 20-DEC-01

Project Description: 19125-PS 89M / TO-17 Analysis

Sampled: 15-DEC-01 By: WT

	<u>RESULT</u>	<u>UNITS</u>	<u>CONCENTRATION</u>	<u>UNITS</u>	<u>METHOD</u>
<u>ATC-1215-89M-VOC1</u>					
Air Volume: 19.65 L					
Lab Sample: 1474769					
<i>Outdoors - Playground</i>					
TO-1/TO-2 (TO-17) TOXIC ORGANICS IN AIR					
					TO-1/TO-2
Acrylonitrile	< 0.03	ug/sample	< 0.7	ppb	
Allyl chloride	< 0.03	ug/sample	< 0.5	ppb	
Benzene	0.04	ug/sample	0.6	ppb	
Bromobenzene	< 0.03	ug/sample	< 0.2	ppb	
Carbon tetrachloride	< 0.03	ug/sample	< 0.2	ppb	
Chlorobenzene	< 0.03	ug/sample	< 0.3	ppb	
Chloroform	< 0.03	ug/sample	< 0.3	ppb	
Cumene	< 0.03	ug/sample	< 0.3	ppb	
1,2-Dichloroethane	< 0.03	ug/sample	< 0.4	ppb	
1,2-Dichloropropane	< 0.03	ug/sample	< 0.3	ppb	
1,3-Dichloropropane	< 0.03	ug/sample	< 0.3	ppb	
Ethylbenzene	0.03	ug/sample	0.4	ppb	
Ethylene dibromide	< 0.03	ug/sample	< 0.2	ppb	
Heptane	< 0.03	ug/sample	< 0.4	ppb	
1-Heptene	< 0.03	ug/sample	< 0.4	ppb	
Methylene chloride	0.06	ug/sample	0.9	ppb	
Tetrachloroethene (PCE)	< 0.03	ug/sample	< 0.2	ppb	
Toluene	0.11	ug/sample	1.5	ppb	
1,1,1-Trichloroethane	< 0.03	ug/sample	< 0.3	ppb	
Trichloroethene (TCE)	< 0.03	ug/sample	< 0.3	ppb	
Vinylidene chloride	< 0.03	ug/sample	< 0.4	ppb	
Vinyl chloride	< 0.03	ug/sample	< 0.6	ppb	
Xylenes (total)	0.12	ug/sample	1.4	ppb	

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INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

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ATC-1215-89M-VOC2

Air Volume: 18.15 L

Lab Sample: 1474770

Hallway by Cafeteria

TO-1/TO-2 (TO-17) TOXIC ORGANICS IN AIR

TO-1/TO-2

	RESULT	UNITS	CONCENTRATION	UNITS	METHOD
Acrylonitrile	< 0.03	ug/sample	< 0.8	ppb	
Allyl chloride	< 0.03	ug/sample	< 0.5	ppb	
Benzene	0.11	ug/sample	1.9	ppb	
Bromobenzene	< 0.03	ug/sample	< 0.3	ppb	
Carbon tetrachloride	< 0.03	ug/sample	< 0.3	ppb	
Chlorobenzene	< 0.03	ug/sample	< 0.4	ppb	
Chloroform	< 0.03	ug/sample	< 0.3	ppb	
Cumene	< 0.03	ug/sample	< 0.3	ppb	
1,2-Dichloroethane	< 0.03	ug/sample	< 0.4	ppb	
1,2-Dichloropropane	< 0.03	ug/sample	< 0.4	ppb	
1,3-Dichloropropane	< 0.03	ug/sample	< 0.4	ppb	
Ethylbenzene	0.18	ug/sample	2.3	ppb	
Ethylene dibromide	< 0.03	ug/sample	< 0.2	ppb	
Heptane	0.07	ug/sample	0.9	ppb	
1-Heptene	< 0.03	ug/sample	< 0.4	ppb	
Methylene chloride	< 0.03	ug/sample	< 0.5	ppb	
Tetrachloroethene (PCE)	< 0.03	ug/sample	< 0.2	ppb	
Toluene	0.71E	ug/sample	10.4	ppb	
1,1,1-Trichloroethane	< 0.03	ug/sample	< 0.3	ppb	
Trichloroethene (TCE)	< 0.03	ug/sample	< 0.3	ppb	
Vinylidene chloride	< 0.03	ug/sample	< 0.4	ppb	
Vinyl chloride	< 0.03	ug/sample	< 0.6	ppb	
Xylenes (total)	0.94	ug/sample	12	ppb	

F906: "E" qualifier: compound concentration exceeds the calibration range.

ATC-1215-89M-VOC3

Air Volume: 15.90 L

Lab Sample: 1474771

Room 202

TO-1/TO-2 (TO-17) TOXIC ORGANICS IN AIR

TO-1/TO-2

Acrylonitrile	< 0.03	ug/sample	< 0.9	ppb
Allyl chloride	< 0.03	ug/sample	< 0.6	ppb
Benzene	< 0.03	ug/sample	< 0.6	ppb
Bromobenzene	< 0.03	ug/sample	< 0.3	ppb
Carbon tetrachloride	< 0.03	ug/sample	< 0.3	ppb
Chlorobenzene	< 0.03	ug/sample	< 0.4	ppb
Chloroform	< 0.03	ug/sample	< 0.4	ppb
Cumene	< 0.03	ug/sample	< 0.4	ppb
1,2-Dichloroethane	< 0.03	ug/sample	< 0.5	ppb
1,2-Dichloropropane	< 0.03	ug/sample	< 0.4	ppb
1,3-Dichloropropane	< 0.03	ug/sample	< 0.4	ppb

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ATC-1215-89M-VOC3

Lab Sample: 1474771 - continued

	RESULT	UNITS	CONCENTRATION	UNITS	METHOD
Ethylbenzene	0.05	ug/sample	0.7	ppb	✓
Ethylene dibromide	< 0.03	ug/sample	< 0.2	ppb	
Heptane	< 0.03	ug/sample	< 0.5	ppb	
1-Heptene	< 0.03	ug/sample	< 0.5	ppb	
Methylene chloride	< 0.03	ug/sample	< 0.5	ppb	
Tetrachloroethene (PCE)	< 0.03	ug/sample	< 0.3	ppb	
Toluene	0.08	ug/sample	1.3	ppb	✓
1,1,1-Trichloroethane	< 0.03	ug/sample	< 0.3	ppb	
Trichloroethene (TCE)	< 0.03	ug/sample	< 0.4	ppb	
Vinylidene chloride	< 0.03	ug/sample	< 0.5	ppb	
Vinyl chloride	< 0.03	ug/sample	< 0.7	ppb	
Xylenes (total)	0.23	ug/sample	3.3	ppb	

ATC-1215-89M-VOC4

Air Volume: 17.25 L

Lab Sample: 1474772

Roof by Air Intake

TO-1/TO-2 (TO-17) TOXIC ORGANICS IN AIR

TO-1/TO-2

Acrylonitrile	< 0.03	ug/sample	< 0.8	ppb	
Allyl chloride	< 0.03	ug/sample	< 0.6	ppb	
Benzene	< 0.03	ug/sample	< 0.5	ppb	
Bromobenzene	< 0.03	ug/sample	< 0.3	ppb	
Carbon tetrachloride	< 0.03	ug/sample	< 0.3	ppb	
Chlorobenzene	< 0.03	ug/sample	< 0.4	ppb	
Chloroform	< 0.03	ug/sample	< 0.4	ppb	
Cumene	< 0.03	ug/sample	< 0.4	ppb	
1,2-Dichloroethane	< 0.03	ug/sample	< 0.4	ppb	
1,2-Dichloropropane	< 0.03	ug/sample	< 0.4	ppb	
1,3-Dichloropropane	< 0.03	ug/sample	< 0.4	ppb	
Ethylbenzene	< 0.03	ug/sample	< 0.4	ppb	
Ethylene dibromide	< 0.03	ug/sample	< 0.2	ppb	
Heptane	< 0.03	ug/sample	< 0.4	ppb	
1-Heptene	< 0.03	ug/sample	< 0.4	ppb	
Methylene chloride	0.16	ug/sample	2.7	ppb	✓
Tetrachloroethene (PCE)	< 0.03	ug/sample	< 0.3	ppb	
Toluene	0.05	ug/sample	0.9	ppb	✓
1,1,1-Trichloroethane	< 0.03	ug/sample	< 0.3	ppb	
Trichloroethene (TCE)	< 0.03	ug/sample	< 0.3	ppb	
Vinylidene chloride	< 0.03	ug/sample	< 0.4	ppb	
Vinyl chloride	< 0.03	ug/sample	< 0.7	ppb	

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ATC-1215-89M-VOC4

Lab Sample: 1474772 - continued

	<u>RESULT</u>	<u>UNITS</u>	<u>CONCENTRATION</u>	<u>UNITS</u>	<u>METHOD</u>
Xylenes (total)	< 0.09	ug/sample	< 1	ppb	

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

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ATC-1215-89M-VOC4

Lab Sample: 1474772 - continued

	<u>RESULT</u>	<u>UNITS</u>	<u>CONCENTRATION</u>	<u>UNITS</u>	<u>METHOD</u>
Xylenes (total)	< 0.09	ug/sample	< 1	ppb	

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

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