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PSC Analytical Services

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21JAN02_0931_13_N7247_RFR

INDUSTRIAL HYGIENE**ENVIRONMENTAL TESTING**

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

- NY DOH 10903
- PA DER 06-353
- NJ DEP 77678
- 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: 209291
 Received: 14-JAN-02
 Reported: 21-JAN-02

Project Description: 19125-0297: TO-17

Sampled: 11-JAN-02

	<u>RESULT</u>	<u>UNITS</u>	<u>CONCENTRATION</u>	<u>UNITS</u>	<u>METHOD</u>
<u>ATC-0111-89M-VOC1</u>					
Air Volume: 22.5 L					
Lab Sample: 1475964					
<i>Outdoors (Playground)</i>					
TO-1/TO-2 (TO-17) TOXIC ORGANICS IN AIR					
Acrylonitrile	< 0.025	ug/sample	< 0.51	ppb	TO-1/TO-2
Allyl chloride	< 0.025	ug/sample	< 0.35	ppb	
Benzene	0.068	ug/sample	0.95	ppb	
Bromobenzene	< 0.025	ug/sample	< 0.17	ppb	
Carbon tetrachloride	< 0.025	ug/sample	< 0.18	ppb	
Chlorobenzene	< 0.025	ug/sample	< 0.24	ppb	
Chloroform	< 0.025	ug/sample	< 0.23	ppb	
Cumene	< 0.025	ug/sample	< 0.23	ppb	
1,2-Dichloroethane	< 0.025	ug/sample	< 0.27	ppb	
1,2-Dichloropropane	< 0.025	ug/sample	< 0.24	ppb	
1,3-Dichloropropane	< 0.025	ug/sample	< 0.24	ppb	
Ethylbenzene	0.029	ug/sample	0.30	ppb	
Ethylene dibromide	< 0.025	ug/sample	< 0.14	ppb	
Heptane	< 0.025	ug/sample	< 0.27	ppb	
1-Heptene	< 0.025	ug/sample	< 0.28	ppb	
Methylene chloride	< 0.025	ug/sample	< 0.32	ppb	
Tetrachloroethene (PCE)	< 0.025	ug/sample	< 0.16	ppb	
Toluene	0.117	ug/sample	1.38	ppb	
1,1,1-Trichloroethane	< 0.025	ug/sample	< 0.20	ppb	
Trichloroethene (TCE)	< 0.025	ug/sample	< 0.21	ppb	
Vinylidene chloride	< 0.025	ug/sample	< 0.28	ppb	
Vinyl chloride	< 0.025	ug/sample	< 0.43	ppb	
Xylenes (total)	0.088	ug/sample	0.90	ppb	

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INDUSTRIAL HYGIENE

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RESULT	UNITS	CONCENTRATION	UNITS	METHOD
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ATC-0111-89M-VOC2

Air Volume: 22.5 L

Lab Sample: 1475965

Hallway by cafeteria

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

TO-1/TO-2

Acrylonitrile	< 0.025	ug/sample	< 0.51	ppb
Allyl chloride	< 0.025	ug/sample	< 0.35	ppb
Benzene	0.037	ug/sample	0.51	ppb
Bromobenzene	< 0.025	ug/sample	< 0.17	ppb
Carbon tetrachloride	< 0.025	ug/sample	< 0.18	ppb
Chlorobenzene	< 0.025	ug/sample	< 0.24	ppb
Chloroform	< 0.025	ug/sample	< 0.23	ppb
Cumene	< 0.025	ug/sample	< 0.23	ppb
1,2-Dichloroethane	< 0.025	ug/sample	< 0.27	ppb
1,2-Dichloropropane	< 0.025	ug/sample	< 0.24	ppb
1,3-Dichloropropane	< 0.025	ug/sample	< 0.24	ppb
Ethylbenzene	< 0.025	ug/sample	< 0.26	ppb
Ethylene dibromide	< 0.025	ug/sample	< 0.14	ppb
Heptane	< 0.025	ug/sample	< 0.27	ppb
1-Heptene	< 0.025	ug/sample	< 0.28	ppb
Methylene chloride	0.176	ug/sample	2.25	ppb
Tetrachloroethene (PCE)	< 0.025	ug/sample	< 0.16	ppb
Toluene	0.052	ug/sample	0.61	ppb
1,1,1-Trichloroethane	< 0.025	ug/sample	< 0.20	ppb
Trichloroethene (TCE)	< 0.025	ug/sample	< 0.21	ppb
Vinylidene chloride	< 0.025	ug/sample	< 0.28	ppb
Vinyl chloride	< 0.025	ug/sample	< 0.43	ppb
Xylenes (total)	0.025	ug/sample	0.26	ppb

ATC-0111-89M-VOC3

Air Volume: 22.8 L

Lab Sample: 1475966

4th floor hallway (south)

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

TO-1/TO-2

Acrylonitrile	< 0.025	ug/sample	< 0.51	ppb
Allyl chloride	< 0.025	ug/sample	< 0.35	ppb
Benzene	0.036	ug/sample	0.49	ppb
Bromobenzene	< 0.025	ug/sample	< 0.17	ppb
Carbon tetrachloride	< 0.025	ug/sample	< 0.17	ppb
Chlorobenzene	< 0.025	ug/sample	< 0.24	ppb
Chloroform	< 0.025	ug/sample	< 0.22	ppb
Cumene	< 0.025	ug/sample	< 0.22	ppb
1,2-Dichloroethane	< 0.025	ug/sample	< 0.27	ppb
1,2-Dichloropropane	< 0.025	ug/sample	< 0.24	ppb
1,3-Dichloropropane	< 0.025	ug/sample	< 0.24	ppb
Ethylbenzene	< 0.025	ug/sample	< 0.25	ppb
Ethylene dibromide	< 0.025	ug/sample	< 0.14	ppb
Heptane	< 0.025	ug/sample	< 0.27	ppb

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	<u>RESULT</u>	<u>UNITS</u>	<u>CONCENTRATION</u>	<u>UNITS</u>	<u>METHOD</u>
ATC-0111-89M-VOC3					
Lab Sample: 1475966 - continued					
1-Heptene	< 0.025	ug/sample	< 0.27	ppb	
Methylene chloride ✓	0.073	ug/sample	0.92	ppb	
Tetrachloroethene (PCE)	< 0.025	ug/sample	< 0.16	ppb	
Toluene ✓	0.053	ug/sample	0.62	ppb	
1,1,1-Trichloroethane	< 0.025	ug/sample	< 0.20	ppb	
Trichloroethene (TCE)	0.039	ug/sample	0.32	ppb	
Vinylidene chloride	< 0.025	ug/sample	< 0.28	ppb	
Vinyl chloride	< 0.025	ug/sample	< 0.43	ppb	
Xylenes (total) ✓	0.028	ug/sample	0.28	ppb	

ATC-0111-89M-VOC4

Air Volume: 0 L
Lab Sample: 1475967

Blank

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

TO-1/TO-2

Acrylonitrile	< 0.025	ug/sample
Allyl chloride	< 0.025	ug/sample
Benzene	< 0.025	ug/sample
Bromobenzene	< 0.025	ug/sample
Carbon tetrachloride	< 0.025	ug/sample
Chlorobenzene	< 0.025	ug/sample
Chloroform	< 0.025	ug/sample
Cumene	< 0.025	ug/sample
1,2-Dichloroethane	< 0.025	ug/sample
1,2-Dichloropropane	< 0.025	ug/sample
1,3-Dichloropropane	< 0.025	ug/sample
Ethylbenzene	< 0.025	ug/sample
Ethylene dibromide	< 0.025	ug/sample
Heptane	< 0.025	ug/sample
1-Heptene	< 0.025	ug/sample
Methylene chloride	< 0.025	ug/sample
Tetrachloroethene (PCE)	< 0.025	ug/sample
Toluene	< 0.025	ug/sample
1,1,1-Trichloroethane	< 0.025	ug/sample
Trichloroethene (TCE)	< 0.025	ug/sample
Vinylidene chloride	< 0.025	ug/sample
Vinyl chloride	< 0.025	ug/sample
Xylenes (total)	< 0.025	ug/sample

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