



ATHENICA

ENVIRONMENTAL SERVICES INC.

Tel. (718) 784-7400

Fax. (718) 784-4005

CLIENT: Warren & Panzer Engineers, P.C.

LABORATORY ID #: T02-08-147

ANALYT. METHODOLOGY: AHERA

FILTER TYPE: M.C.E.

AVERAGE G.O. AREA (mm²): 0.012422

AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

PROJECT: NYC DEP, 30 West Broadway

DATE OF REPORT: 08/28/02

DATE OF ANALYSIS: 08/28/02

EFFECTIVE FILTER AREA (mm²): 385

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	VOLUME (l)	G.O.'s ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIV. (fibre/cm ²)	TOTAL ASBESTOS AIR CONC. (fibre/cm ³)	TOTAL ASBESTOS FILTER CONC. (fibre/mm ²)	AIR CONC. FOR STRUCT. 0.558-4µm	AIR CONC. FOR STRUCT. 8250µm	ASBEST. TYPE CHRVIS.	AMPHIB. ASBEST. TYPE SPECIFY
001 A	T02-08-147-1974	Adjacent to security door	1350	5	0.0621	0.0046	<0.0046	<16.10	NA	NA	NA	NA
002 A	T02-08-147-1975	By entrance to building (south)	1350	5	0.0621	0.0046	<0.0046	<16.10	NA	NA	NA	NA
003 A	T02-08-147-1976	By entrance to building (west)	1350	5	0.0621	0.0046	<0.0046	<16.10	NA	NA	NA	NA
004 A	T02-08-147-1977	Center area adjacent to steps	1350	5	0.0621	0.0046	<0.0046	<16.10	NA	NA	NA	NA
005 A	T02-08-147-1978	North west area by slabs	1350	5	0.0621	0.0046	<0.0046	<16.10	NA	NA	NA	NA

Em Spiro

ANALYST
E. Dimitrakas

Em Spiro

LABORATORY DIRECTOR
Spiro Dougaris

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

- Athenica Environmental Services Inc. (AES), is responsible only for information pertaining to samples taken by its employees.
- Air sampling casettes will be stored for sixty (60) days. AES Inc., should be notified within this time frame for a true duplicate analysis.
- If AES Inc., did not conduct the sampling, the reported airborne concentration was derived based on information provided by the client. Under these circumstances, the air concentration data is supplied solely for the convenience of the client.
- The report reflects only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of AES Inc.
- The liability of Athenica Environmental Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

228 East 45th Street
New York, NY 10017
(212) 922-0877
Fax (212) 922-0630

WARREN & PANZER ENGINEERS, P. C.

AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

24 hr⁺/a 12 hr⁺/a 6 hr⁺/a 3 hr⁺/a Immediate ⁺/a

CLIENT: NWDEP

PROJECT: Cleaning

LOCATION: 30W Battery

W&P FILE #: 10990102

LABORATORY: ATC

ANALYSIS METHOD: PCM

circle one

TECHNICIAN: N. Wells

FLOWRATE

START STOP

PCB TEM

AHERA EPA LEVEL II

CONTACT: Nike Nolan

P.O.

PAGE 1 OF 1

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START STOP	TIME ON OFF	TOTAL TIME	VOLUME (liters)	CONCENTR. (fib./cc.)
001A	Adj to security booth	3		5 5	07:30 12:10	270	1350	
002A	By Entrance to bldg South	3		5 5	07:31 12:01	270	1350	
003A	By Entrance to bldg West	3		5 5	07:32 12:02	270	1350	
004A	Center area adj to steps	3		5 5	07:33 12:03	270	1350	
005A	NW area by stairs	3		5 5	07:34 12:04	270	1350	
006	Field	1						
007	Field	1						
008	Sealed	1						

SAMPLE BY: <u>N. Wells</u>	DATE: <u>8/27</u>
SIGNATURE: <u>[Signature]</u>	
RELEASED BY: <u>N. Wells</u>	DATE: <u>8/27</u>
SIGNATURE: <u>[Signature]</u>	
RECEIVED BY: <u>A. C. J. [Signature]</u>	DATE: <u>9/2/02</u>
SIGNATURE: <u>[Signature]</u>	

SAMPLE TYPE CODES			
1 - Blank	5 - Final Clearance (inside)		
2 - Pre-Abatement	6 - Final Clearance (outside)		
3 - During Abatement	7 - Personal		
4 - During Glove Bag Removal	8 - Background		

T02-08-147

SEE REVERSE SIDE FOR ANALYSIS INFORMATION



ATHENICA

ENVIRONMENTAL SERVICES INC.

Tel. (718) 784-7400

Fax. (718) 784-4085

CLIENT: Warren & Panzer Engineers, P.C.

LABORATORY ID #: T02-08-149

ANALYT. METHODOLOGY: AHERA

FILTER TYPE: M.C.E.

AVERAGE G.O. AREA (mm²): 0.012422

PROJECT: NYC DEP, 30 W. Broadway

DATE OF REPORT: 08/30/02

DATE OF ANALYSIS: 08/29/02

EFFECTIVE FILTER AREA (mm²): 385

AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	VOLUME (ft ³)	G.O.'s ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIVITY (fibre./cm ³)	TOTAL ASBESTOS AIR CONC. (fibre./cm ³)	TOTAL ASBESTOS FILTER CONC. (fibre./mm ²)	AIR CONC. FOR STRUCT. 0.5-5.0µm	AIR CONC. FOR STRICT. >5.0µm	ASBEST. TYPE CHYVS.	ASBEST. TYPE SPECIFY
001 A	T02-08-149-1984	Entrance by door	1440	5	0.0621	0.0043	0.0043	16.10	<0.0043	0.0043	Chrys.	NA
002 A	T02-08-149-1985	South end entrance by door	1440	5	0.0621	0.0043	<0.0043	<16.10	NA	NA	NA	NA
003 A	T02-08-149-1986	Center area by Column	1440	5	0.0621	0.0043	<0.0043	<16.10	NA	NA	NA	NA
004 A	T02-08-149-1987	South end adjacent to stairs	1440	5	0.0621	0.0043	<0.0043	<16.10	NA	NA	NA	NA
005 A	T02-08-149-1988	North end by barrier	1440	5	0.0621	0.0043	<0.0043	<16.10	NA	NA	NA	NA

G. Spouten

ANALYST
E. Spouten

Spouten for SD

LABORATORY DIRECTOR
Spiro Dongaris

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

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WARREN & PANZER ENGINEERS, P. C.
AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

Fax (212) 922-0630

	24 hr ⁺ /a	12 hr ⁺ /a	6 hr ⁺ /a	3 hr ⁺ /a	Immediate ⁺ /a
1	100	100	100	100	100
2	100	100	100	100	100
3	100	100	100	100	100
4	100	100	100	100	100
5	100	100	100	100	100
6	100	100	100	100	100
7	100	100	100	100	100
8	100	100	100	100	100
9	100	100	100	100	100
10	100	100	100	100	100
11	100	100	100	100	100
12	100	100	100	100	100
13	100	100	100	100	100
14	100	100	100	100	100
15	100	100	100	100	100
16	100	100	100	100	100
17	100	100	100	100	100
18	100	100	100	100	100
19	100	100	100	100	100
20	100	100	100	100	100
21	100	100	100	100	100
22	100	100	100	100	100
23	100	100	100	100	100
24	100	100	100	100	100
25	100	100	100	100	100
26	100	100	100	100	100
27	100	100	100	100	100
28	100	100	100	100	100
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31	100	100	100	100	100
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39	100	100	100	100	100
40	100	100	100	100	100
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65	100	100	100	100	100
66	100	100	100	100	100
67	100	100	100	1	

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CLIENT: NYC-D-30

W&P FILE #: 10901

CLIENT: WDP
PROJECT: Learning

LABORATORY: KT

PROJECT: Vegetation
LOCATION: 30 W. Ashby

ANALYSIS METHOD: PCM

LOCATION: 60 W. Canyon

circle one **1**

TECHNICIAN:

TECHNICIAN: *W. D. L.*

[illegible]

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START STOP	TIME ON OFF	TOTAL TIME	VOLUME (liters)	CONCENTR. (lb./cc.)
001A	Entrance by door	3		6 6	07:30 11:30	240	1440	
002A	South end entrance by door	3		6 6	07:31 11:31	240	1440	
003A	Center area by column	3		6 6	07:32 11:32	240	1440	
004A	South end adj to stairs	3		6 6	07:33 11:33	240	1440	
005A	North end by barrier	3		6 6	07:34 11:34	240	1440	
006	field	1						
007	field	1						
008	Sealed	1						

THE

102-08-149

DATE: 8/27

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DATE: 8/28

DATE- 8/29/03

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SAMPLE TYPE CODES

1 - Blank

5 - Final Clearance (inside)

2. Pre-Abatement

6 - Final Clearance (outside)

3 - During Abatement!

7. Personal

4 - During Glove Bag Removal

8 - Background

SEE REVERSE SIDE FOR ANALYSIS INFORMATION