NYC 9/11 Public Portal Document

Galson Laboratories
5601 Kirkville Rd. E. Syracuse,NY 13057

LABORATORY ANALYSIS REPORT

Client : NYS DOL Albany
Site : 999999000

Date Sampled : 14-JAN-02 - 15-JAN-02 Account No. : 10597
Date Received : 16-JAN-02 Login No. : L78083
Date Analyzed : 17-JAN-02 - 16-JAN-02

Client ID : 1-14-02-4 Lab ID : L78083-11 Wipe Area : NA

Parameter	LOQ ug	Total ug	
Aluminum	3	8.02	2.0 mg/m³
Cadmium	0.15	<0.15	.2 mg/m³
Cobalt	0.45	<0.45	.1 mg/m³
Copper	0.3	2.26	
Iron	7.5	30.6	
Magnesium	3	25.6	
Manganese	0.15	0.691	
Nickel	0.3	0.520	
Lead	0.38	0.750	
Zinc	1.5	8.03	

COMMENTS: Method: modified NIOSH 7300; ICP

Collection Media : Wipe

Submitted by: KB
Approved by : AMW
Date : 17-JAN-02
QC by: QC STAFF
NYS DOH # : 11626

< -Less Than	mg -Milligrams	m3 -Cubic Meters	kg -Kilograms
> -Greater Than	ug -Micrograms	l -Liters	NS -Not Specified
NA -Not Applicable	ND -Not Detected	ppm -Parts per Million	LOQ-Limit of Quantitation

Field sampling was not performed by Galson. Galson presents results based on sampling data provided by clients.

CITY_21MC100_010194437

NYC-WTC_000356294

NYC 9/11 Public Portal Document

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Laboratories
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LABORATORY ANALYSIS REPORT

Client : NYS DOL Albany
Site : 999999000

Date Sampled : 14-JAN-02 - 15-JAN-02 Account No.: 10597
Date Received : 16-JAN-02 Login No. : L78083
Date Analyzed : 17-JAN-02 - 16-JAN-02

Client ID : 1-14-02-6 Lab ID : L78083-12 Wipe Area : NA

Parameter	LOQ ug	Total ug
Aluminum	3	92.4
Cadmium	0.15	0.218
Cobalt	0.45	<0.45
Copper	0.3	2.93
Iron	7.5	110
Magnesium	3	120
Manganese	0.15	4.71
Nickel	0.3	0.307
Lead	0.38	2.11
Zinc	1.5	17.7

COMMENTS: Method: modified NIOSH 7300; ICP

Collection Media : Wipe

Submitted by: KB
Approved by : AMW
Date : 17-JAN-02
QC by: QC STAFF
NYS DOH # : 11626

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms
> -Greater Than ug -Micrograms l -Liters NS -Not Specified
NA -Not Applicable ND -Not Detected ppm -Parts per Million LOQ-Limit of Quantitation

Field sampling was not performed by Galson. Galson presents results based on sampling data provided by clients.

CITY_21MC100_010194438

NYC-WTC_000356295

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LABORATORY ANALYSIS REPORT

Client : NYS DOL Albany
Site : 999999000

Date Sampled : 14-JAN-02 - 15-JAN-02 Account No.: 10597
Date Received : 16-JAN-02 Login No. : L78083
Date Analyzed : 17-JAN-02 - 16-JAN-02

Client ID : 1-14-02-8 Lab ID : L78083-13 Wipe Area : NA

Parameter	LOQ ug	Total ug
Aluminum	3	28.7
Cadmium	0.15	<0.15
Cobalt	0.45	<0.45
Copper	0.3	1.68
Iron	7.5	60.0
Magnesium	3	50.6
Manganese	0.15	1.48
Nickel	0.3	<0.30
Lead	0.38	1.48
Zinc	1.5	20.0

COMMENTS: Method: modified NIOSH 7300; ICP

Collection Media : Wipe

Submitted by: KB
Approved by : AMW
Date : 17-JAN-02
QC by: QC STAFF
NYS DOH # : 11626

<	-Less Than	mg	-Milligrams	m3	-Cubic Meters	kg	-Kilograms
>	-Greater Than	ug	-Micrograms	l	-Liters	NS	-Not Specified
NA	-Not Applicable	ND	-Not Detected	ppm	-Parts per Million	LOQ	-Limit of Quantitation

Field sampling was not performed by Galson. Galson presents results based on sampling data provided by clients.

CITY_21MC100_010194439

NYC-WTC_000356296

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LABORATORY ANALYSIS REPORT

Client : NYS DOL Albany
Site : 999999000

Date Sampled : 14-JAN-02 - 15-JAN-02 Account No.: 10597
Date Received : 16-JAN-02 Login No. : L78083
Date Analyzed : 17-JAN-02 - 18-JAN-02

Client ID : 1-14-02-12 Lab ID : L78083-14 Wipe Area : NA

Parameter	LOQ ug	Total ug
Aluminum	3	22.6
Cadmium	0.15	<0.15
Cobalt	0.45	<0.45
Copper	0.3	2.28
Iron	7.5	46.8
Magnesium	3	29.2
Manganese	0.15	0.897
Nickel	0.3	0.304
Lead	0.38	1.62
Zinc	1.5	10.4

COMMENTS: Method: modified NIOSH 7300; ICP

Collection Media : Wipe

Submitted by: KB
Approved by : AMW
Date : 17-JAN-02
QC by: QC STAFF
NYS DOH # : 11626

<	-Less Than	mg	-Milligrams	m3	-Cubic Meters	kg	-Kilograms
>	-Greater Than	ug	-Micrograms	l	-Liters	NS	-Not Specified
NA	-Not Applicable	ND	-Not Detected	ppm	-Parts per Million	LOQ	-Limit of Quantitation

Field sampling was not performed by Galson. Galson presents results based on sampling data provided by clients.

NYC-WTC_000356297

NYC 9/11 Public Portal Document

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LABORATORY ANALYSIS REPORT

Client : NYS DOL Albany
Site : 999999000

Date Sampled : 14-JAN-02 - 15-JAN-02 Account No.: 10597
Date Received : 16-JAN-02 Login No. : L78083
Date Analyzed : 17-JAN-02 - 16-JAN-02

Client ID : 1-14-02-15 Lab ID : L78083-15 Wipe Area : NA

Parameter	LOQ ug	Total ug
Aluminum	3	18.8
Cadmium	0.15	0.150
Cobalt	0.45	<0.45
Copper	0.3	2.16
Iron	7.5	71.6
Magnesium	3	28.1
Manganese	0.15	0.957
Nickel	0.3	0.533
Lead	0.38	2.26
Zinc	1.5	14.3

COMMENTS: Method: modified NIOSH 7300; ICP

Collection Media : Wipe

Submitted by: KB
Approved by : AMW
Date : 17-JAN-02
QC by: QC STAFF
NYS DOH # : 11626

<	-Less Than	mg	-Milligrams	m3	-Cubic Meters
>	-Greater Than	ug	-Micrograms	l	-Liters
NA	-Not Applicable	ND	-Not Detected	ppm	-Parts per Million

kg -Kilograms
NS -Not Specified
LOQ-Limit of Quantitation

Field sampling was not performed by Galson. Galson presents results based on sampling data provided by clients.

CITY_21MC100_010194441

NYC-WTC_000356298

NYC 9/11 Public Portal Document

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LABORATORY ANALYSIS REPORT

Client : NYS DOL Albany
Site : 999999000

Date Sampled : 14-JAN-02 - 15-JAN-02 Account No.: 10597
Date Received : 16-JAN-02 Login No. : L78083
Date Analyzed : 17-JAN-02 - 16-JAN-02

Client ID : 1-14-02-17 Lab ID : L78083-16 Wipe Area : NA

Parameter	LOQ ug	Total ug
Aluminum	3	11.5
Cadmium	0.15	<0.15
Cobalt	0.45	<0.45
Copper	0.3	1.72
Iron	7.5	37.6
Magnesium	3	20.5
Manganese	0.15	0.491
Nickel	0.3	<0.30
Lead	0.38	1.40
Zinc	1.5	12.6

COMMENTS: Method: modified NIOSH 7300; ICP

Collection Media : Wipe

Submitted by: KB
Approved by : AMW
Date : 17-JAN-02
QC by: QC STAFF
NYS DOH # : 11626

< -Less Than	mg -Milligrams	m3 -Cubic Meters	kg -Kilograms
> -Greater Than	ug -Micrograms	l -Liters	NS -Not Specified
NA -Not Applicable	ND -Not Detected	ppm -Parts per Million	LOQ-Limit of Quantitation

Field sampling was not performed by Galson. Galson presents results based on sampling data provided by clients.

CITY_21MC100_010194442

NYC-WTC_000356299

NYC 9/11 Public Portal Document

Galson Laboratories
6601 Kirkville Rd. E. Syracuse,NY 13057

LABORATORY ANALYSIS REPORT

Client : NYS DOL Albany
Site : 999999000

Date Sampled : 14-JAN-02 - 15-JAN-02 Account No.: 10597
Date Received : 16-JAN-02 Login No. : L78083
Date Analyzed : 17-JAN-02 - 16-JAN-02

Client ID : 1-15-02-2 Lab ID : L78083-17 Wipe Area : NA

Parameter	LOQ ug	Total ug
Aluminum	3	10.4
Cadmium	0.15	<0.15
Cobalt	0.45	<0.45
Copper	0.3	1.42
Iron	7.5	22.5
Magnesium	3	21.5
Manganese	0.15	0.521
Nickel	0.3	<0.30
Lead	0.38	0.657
Zinc	1.5	4.22

COMMENTS: Method: modified NIOSH 7300; ICP

Collection Media : Wipe

Submitted by: KB
Approved by : AMW
Date : 17-JAN-02
QC by: QC STAFF
NYS DOH # : 11626

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms
> -Greater Than ug -Micrograms l -Liters NS -Not Specified
NA -Not Applicable ND -Not Detected ppm -Parts per Million LOQ-Limit of Quantitation

Field sampling was not performed by Galson. Galson presents results based on sampling data provided by clients.

CITY_21MC100_010194443

NYC-WTC_000356300

NYC 9/11 Public Portal Document

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Laboratories
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LABORATORY ANALYSIS REPORT

Client : NYS DOL Albany
Site : 999999000

Date Sampled : 14-JAN-02 - 15-JAN-02 Account No.: 10597
Date Received : 16-JAN-02 Login No. : L78083
Date Analyzed : 17-JAN-02 - 16-JAN-02

Client ID : 1-15-02-4 Lab ID : L78083-18 Wipe Area : NA

Parameter	LOQ ug	Total ug
Aluminum	3	33.8
Cadmium	0.15	<0.15
Cobalt	0.45	<0.45
Copper	0.3	2.72
Iron	7.5	52.0
Magnesium	3	43.3
Manganese	0.15	1.11
Nickel	0.3	<0.30
Lead	0.38	1.24
Zinc	1.5	8.14

COMMENTS: Method: modified NIOSH 7300; ICP

Collection Media : Wipe

Submitted by: KB
Approved by : AMW
Date : 17-JAN-02
QC by: QC STAFF
NYS DOH # : 11626

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms
> -Greater Than ug -Micrograms l -Liters NS -Not Specified
NA -Not Applicable ND -Not Detected ppm -Parts per Million LOQ-Limit of Quantitation

Field sampling was not performed by Galson. Galson presents results based on sampling data provided by clients.

NYC-WTC_000356301

NYC 9/11 Public Portal Document

Galson Laboratories
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LABORATORY ANALYSIS REPORT

Client : NYS DOL Albany
Site : 999999000

Date Sampled : 14-JAN-02 - 15-JAN-02 Account No.: 10597
Date Received : 15-JAN-02 Login No. : L78083
Date Analyzed : 17-JAN-02 - 16-JAN-02

Client ID : 1-15-02-S Lab ID : L78083-19 Wipe Area : NA

Parameter	LOQ ug	Total ug
Aluminum	3	33.3
Cadmium	0.15	<0.15
Cobalt	0.45	<0.45
Copper	0.3	2.62
Iron	7.5	65.6
Magnesium	3	60.1
Manganese	0.15	1.41
Nickel	0.3	<0.30
Lead	0.38	1.87
Zinc	1.5	9.22

COMMENTS: Method: modified NIOSH 7300; ICP

Collection Media : Wipe

Submitted by: KB
Approved by : AMW
Date : 17-JAN-02
QC by: QC STAFF
NYS DOH # : 11626

< -Less Than	mg -Milligrams	m3 -Cubic Meters	kg -Kilograms
> -Greater Than	ug -Micrograms	l -Liters	NS -Not Specified
NA -Not Applicable	ND -Not Detected	ppm -Parts per Million	LOQ-Limit of Quantitation

Field sampling was not performed by Galson. Galson presents results based on sampling data provided by clients.

NYC-WTC_000356302

NYC 9/11 Public Portal Document

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LABORATORY ANALYSIS REPORT

Client : NYS DOL Albany
Site : 999999000

Date Sampled : 14-JAN-02 - 15-JAN-02 Account No.: 10597
Date Received : 16-JAN-02 Login No. : L78083
Date Analyzed : 17-JAN-02

Mercury

Sample ID	Lab ID	Total ug
1-14-02-5	L78083-20	<0.04
1-14-02-7	L78083-21	<0.04
1-14-02-13	L78083-22	<0.04
1-15-02-6	L78083-23	<0.04

Level of quantitation: 0.04 ug
Analytical Method : NIOSH 6009
OSHA PEL (TWA) : NA
Collection Media : Wipe

Submitted by: AP
Approved by : AMW
Date : 17-JAN-02
QC by: QC STAFF
NYS DOH # : 11626

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms
> -Greater Than ug -Micrograms l -Liters NS -Not Specified
NA -Not Applicable ND -Not Detected ppm -Parts per Million

NYC-WTC_000356303

NYC 9/11 Public Portal Document

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LABORATORY ANALYSIS REPORT

Client : NYS DOL Albany
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Date Sampled : 14-JAN-02 - 15-JAN-02 Account No.: 10597
Date Received : 16-JAN-02 Login No. : L78083
Date Analyzed : 16-JAN-02

Bulk Asbestos (Wipe)

Sample ID	Lab ID	Color	%Asb.	Type 1	%Asb.	Type 2	%Asb.	Type 3	*/Type Other Fibers	
1-14-02-1	1	NA	ND	NA	ND	NA	ND	NA	40	CE;SY
1-14-02-2	2	NA	ND	NA	ND	NA	ND	NA	70	CE;FG
1-14-02-3	3	NA	ND	NA	ND	NA	ND	NA	70	CE;FG
1-14-02-9	4	NA	ND	NA	ND	NA	ND	NA	25	CE;FG
1-14-02-10	5	NA	ND	NA	ND	NA	ND	NA	50	CE;FG
1-14-02-11	6	NA	ND	NA	ND	NA	ND	NA	50	CE;FG
1-14-02-14	7	NA	ND	NA	ND	NA	ND	NA	50	CE;FG
1-14-02-16	8	NA	ND	NA	ND	NA	ND	NA	20	CE
1-15-02-1	9	NA	ND	NA	ND	NA	ND	NA	20	CE;FG
1-15-02-3	10	NA	ND	NA	ND	NA	ND	NA	50	CE;FG

COMMENTS: Wipe samples.
Field sampling was not performed by GALSON Laboratories.
Results are based on the sampling data provided by the client.
This report should not be reproduced except in full without the written approval of Galson Laboratories.

Analytical Method : Polarized light microscopy/ dispersion staining. EPA 40 CFR Ch. 1 (7-1-87 Ed.) Part 763, Subpart F, App. A.
Submitted by : MS/PW
Approved by : MS
Date : 17-JAN-02 QC by:
NYSDOH # : 11626

TR- Trace(< 1%)
CE- Cellulose
FG- Fibrous Glass
SY- Synthetic
AC- Actinolite
AM- Amosite
AN- Anthophyllite
CH- Chrysotile
CR- Crocidolite
TM- Tremolite
NA- Not Applicable
NS- Not Specified
ND- Not Detected
> - Greater than

Results relate only to items analyzed, and may not be used to claim product endorsement by NVLAP or any US government agency. Laboratory accredited under NYS ELAP(#11626) and NVLAP(#101375-0). Measurement uncertainty records based on interlab analysis are on file, and are available upon request.

CITY_21MC100_010194447

NYC-WTC_000356304